

PRODUCT OVERVIEW

Forbo Flooring
Products 2017



Forbo Flooring Systems
Product Portfolio 2017

creating better environments



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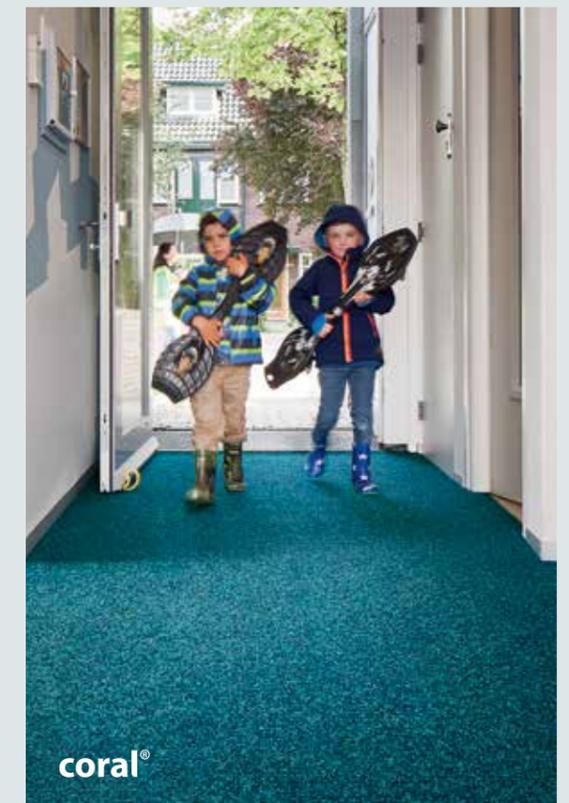
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FORBO FLOORING SYSTEMS, RESPONSIBLE MARKET LEADER

Assendelft,
Netherlands



Coevorden,
Netherlands



Giubiasco,
Switzerland



Kaluga,
Russia



Kirkcaldy,
Scotland



Reims,
France



Krommenie,
Netherlands



Cortonwood,
United Kingdom



Bamber Bridge,
United Kingdom



Ripley,
United Kingdom



Telford,
United Kingdom



Chateau Renault,
France



Forbo Flooring Systems is a global market player in Linoleum, project vinyl, carpet tiles, Flotex flocked flooring, Coral entrance systems and vinyl floor coverings. In addition to floor coverings, Forbo develops, manufactures and markets a full range of professional service products. All Forbo products combine high levels of functionality and durability. Forbo Flooring Systems is committed to environmentally responsible production and to far-reaching customer service. Forbo Flooring is part of the Swiss Forbo Group and owns twenty manufacturing plants and branches in 32 countries worldwide.



OUR MILESTONES

1928

Three linoleum manufacturers – German, Swedish and Swiss – form the Continentale Linoleum Union.

1950 – 1973

Diversification into related products such as carpets and vinyl flooring.

1973 and 1974

Adhesives activities hived off from linoleum business to be developed independently.

Continentale Linoleum Union is renamed Forbo to reflect the wider portfolio of activities.

1975 – 1994

Forbo evolves into a worldwide group operating on five continents: acquisition of a flooring business in Britain; diversification into wall-coverings and high-pressure laminates.

1994

Acquisition of Siegling, specializing in process and conveyor belt systems.

1996 – 1998

Divestment of wall-coverings and laminates activities.

2000 and 2001

New strategy focusing on four divisions: Linoleum, Vinyl, Belting and Adhesives. Divestment of industrial activities, including extruded profiles, decorative products and coated textiles. Carpet business spun off in management buyout. A series of minor acquisitions to strengthen Adhesives business.

2000 – 2003

Adhesives gains world stature by acquiring Swift, operating worldwide from the USA, Europe and Asia. Belting business expands in Britain. Linoleum and Vinyl merged to create Forbo Flooring. Now three strategic businesses: Flooring, Adhesives and Belting.

2004 – 2006

Strategic focus on three core divisions reaffirmed. Restructuring and measures to raise profitability. Acquisition of Chinese adhesives manufacturer specialized in hot-melt and water-based adhesives.

2007

New branding and growth strategy; three core divisions – flooring, adhesives and belting – renamed Flooring Systems, Bonding Systems and Movement Systems, operating under the Forbo brand with an integrated business strategy.

2008

Acquisition of Bonar Floors, a major European flooring manufacturer in the contract flooring sector. With this, Flooring Systems strengthens its leading position as a systems provider of resilient flooring solutions in the commercial market.

Forbo acquires the lightweight PVC conveyor belting business from Fenner Dunlop (Charlotte) Inc. North America as a further step to strengthen its Movement Systems division.

2012

Focus on leading market positions through the sale of the industrial adhesives activity, including synthetic polymers, which belonged to the Bonding Systems division.

2013

Forbo Eurocol Krommenie (NL), Erfurt (DE) and Stroitec (RU) Building & Construction adhesives join the Forbo Flooring Systems organization.

2014

Forbo Flooring Systems launches full Marmoleum modular program in plank and tile formats.

2016

Introduction of in-house manufactured homogeneous vinyl using the latest insights and technology from a state of the art zero waste greenfield factory in Coevorden, The Netherlands.

FLOORING SYSTEMS & THE ENVIRONMENT

Life Cycle Assessment

Forbo uses Life Cycle Assessment (LCA) as the independent methodology of measuring our impact on the environment. Standardized within ISO 14040, Life Cycle Assessment (LCA) is defined as a compilation and evaluation of the inputs and outputs and the potential environmental impacts of a product system throughout its life cycle, a cradle-to-grave-approach. Measurement against the specific impact categories focuses on efforts for reduction; it is the basis for Forbo's green development and our overall performance. The LCA is calculated for 1m2 installed floor covering from cradle to installation. We base our LCA calculation on the weighted mass of all the products we produce and also include the energy consumption of all our offices and warehouse worldwide.

Environmental Product Declarations (EPD's)

Forbo Flooring Systems has published Environmental Product Declarations for all of its individual floor covering products. An EPD presents quantified environmental data for a product, based on information from a life cycle assessment (LCA). An EPD is a report verified by the European Resilient Flooring Manufacturers Institute (ERFMI) that summarises and explains the data generated from an LCA.

Green design principles

We conscientiously apply green design principles to all our products and processes. In order to live up to our promise to reduce our environmental footprint by 25% in 2015, all our collections are engineered and designed to commit to this goal.

A project where we achieved a reduction of 23.1% and reduction of 23.1%. At the same time Forbo Flooring Systems' contribution to the global warming potential expressed in CO2 equivalents is reduced by 37,7%. The project continues globally on annually set targets.

Reduce, Renewable, Reuse, Recycle

The key to our success in implementing our environmental policies lies in the application of our "4 R's" : Reduce, Renewable, Reuse, Recycle. A number of initiatives have been rolled out across the business, and it is our commitment to continuing and improving ourselves to achieve our environmental aims.

Reduce: energy, landfill, raw material consumption

Renewable: electricity, natural & sustainable raw materials

Reuse: production waste across all sites

Recycle: product and sampling take back schemes

Forbo way to win

Forbo's internal awareness programme. In 2010 we rolled out our internal awareness programme - The Forbo Way to Win. We used this to introduce our sustainability policy and strengthen our employee's engagement by providing a platform for them to contribute to our efforts in reducing energy consumption, the use of raw materials and waste. We also asked them to look as ways of increasing recycling.

Realized examples of Forbo Way To Win

The programme generated over 1700 ideas, resulting in 600 possible projects, some of which have already been successfully implemented.

- Rewinding yarn ends and reuse in producing Tessera carpet tiles.
- Reduce the need of water to produce steam the Flotex production.
- Use different pre-cut lengths of paper for the backing machine.
- Elimination of the cardboard cores in the jumbo rolls of Flotex.

"Our target is to continuously minimise the environmental impact of Forbo Flooring Systems as measured by the weighted categories in our independently verified Life Cycle Assessment measurement system by 25% before the end of 2015 (cf2009)"

FORBO FOUND EVERYWHERE

Flooring Systems' floor coverings are to be found in a wide variety of buildings. In hospitals, schools, retail, offices, industry, in every space is another floor solution. For all these areas we have a suitable floor that meets all the requirements and conditions to create the right atmosphere, ambience and comfort. You can find us in ...

Commercial Offices

When it comes to refurbishing commercial properties, we know you need flooring. You probably are looking for a flooring design that will set your property apart or need a solution to cover the whole of your building. Our portfolio will make it easy to select the ideal floor covering to meet your needs.

Healthcare

With millions of square metres of our floor coverings installed in healthcare establishments, we are at the forefront when it comes to understanding the needs and concerns of the health.



Education

From nurseries to universities, educational establishments demand attractive, hardwearing, low maintenance safe and sustainable flooring solutions. Durability and hygiene are important in areas used by children and young adults.

Retail, leisure & hospitality

An experience in any retail, leisure & hospitality environment is about more than just the products you can buy or experience. Creating the perfect environment in which your customers feel relaxed and comfortable is key. From the first impression as they enter, to the ease of navigation, our portfolio of products makes it easy to select the perfect flooring to set the tone in your store, hotel or leisure environment.

Industry

Forbo stands for guaranteed performance in all kinds of industrial environments, from electronic and pharmaceutical production areas to laboratories. We offer a complete range of products with antistatic, acoustic, conductive, water-resistant, slip-resistant, bacteriostatic and bactericidal properties.

Transport

Forbo offers a variety of floor covering solutions for the transport industry. All are fully certified and combine durability, excellent fire resistant properties and a wide variety of designs and colours.



Application possibilities for Forbo Flooring

Application areas	Linoleum	Projectvinyl incl. LVT	Carpet tiles and Needlefelt			Flotex	Entrance flooring
			Tessera	Westbond	Needlefelt		
Hospital	•••	•••	•		•	•	•••
Private clinic	•••	•••	•		•	•	•••
Rehabilitation center	•••	•••	•		••	••	•••
Medical practice	•••	•••	•		•	••	•••
Elderly care	•••	•••	••	••	••	•••	•••
Education	•••	••	•		••	•••	•••
Day care	•••	••			••	•••	•••
Sports	•••						•••
Fitness center	••		•		•••	•••	•••
Offices	••	•••	•••	•••	•••	•••	•••
Bank	••	•••	•••	•••	•••	•••	•••
Hotel	••	•••	•••	•••	••	•••	•••
Restaurant	•••	•••	•		•	••	•••
Leisure & Hospitality	•••	•••	•••	••	•••	•••	•••
Retail	•••	•••	•	•	•••	•••	•••
Industry	•	•••					•••
Transport	•••	•••			•	••	•••

••• Recommended

•• Very suitable

• Suitable



FORBO FLOORING SYSTEMS: COMMITTED TO THE HEALTH OF ONE

In today's world more than half of the global population is living in urbanized areas. Here we consume more than two thirds of the world's energy and use more than 80% of all its resources. Cities create over 70% of all CO² emissions and create billions of tons of waste. As Forbo, we are part of the urbanized society and as we are spending more than 80 to 90% of our time indoors we feel it is our responsibility to contribute to a better indoor environment and on top of that a better world to live in.

We do this by focusing on creating products that make a positive contribution to everyone health, safety and well-being. We run our plants on green energy, we manufacture products that are made from renewable natural resources and we act responsible in using the latest techniques and insight in constructing our products. Earth Day mean, standing with both your feet on the ground and creating the best solutions going forward. At Forbo Flooring systems we are used to do this, that is why Flooring Systems from Forbo are tomorrows responsible choice



**COMMITTED
TO THE HEALTH
OF ONE**
WWW.FORBO-FLOORING.COM/CHO

THE FLOOR COVERINGS OF FORBO FLOORING SYSTEMS

Forbo Flooring Systems offers solutions for every conceivable application. Our high quality Linoleum-, Project Vinyl, Carpet tiles, Needlefelt, Flotex and Entrance Flooring systems combine functionality and design. We offer a full range solution for each application available.

LINOLEUM

A Natural Winner! Our linoleum products with the Forbo Marmoleum brand are natural floors associated with sustainability, durability, high quality and innovative design. Our Linoleum range includes solutions for virtually any type of application. Discover the versatile world of Linoleum with over 300 colours and more than 12 different structures to choose from, available in sheet and modular tile formats.

PROJECT VINYL

Forbo's project vinyl floors can be used wherever people work, learn, play or go about their daily business. Design, slip resistancy, acoustic comfort, easy maintenance and durability are a key consideration of our project vinyl floors. Our project vinyl offer is available in both sheet and tiles and contains a wide range of wood designs, all over designs, stone and metals. Suitable for professional environments in healthcare, schools, office and retail.

FLOTEX FLOCKED FLOORING

Flotex combines the practicality of a resilient flooring with the slip resistant and acoustic properties usually associated with textiles. Flotex is strong and hygienic, and, being completely waterproof, Flotex is also the only truly washable textilefloor covering.

CARPET TILES AND NEEDLEFELT

Carpet tiles are renowned for their aesthetic styling and outstanding performance in the most demanding heavy traffic environments. We offer a wide portfolio of carpet tile ranges, providing an extensive choice of design, colour, installation options and price points. The robust, hard-wearing properties of Needlefelt make it ideal for installations that meet high traffic or in those areas where chairs with castors are likely to be in use, such as in offices, administrative premises and retail establishments.

ENTRANCE FLOORING

Entrance flooring is fundamental to modern building design: Preventing walk in grit, dirt, dust and moist, minimizing maintenance costs, protecting a building's flooring and environment from pollutants and dirt.

LINOLEUM



TAKE A LOOK INTO THE FASCINATING WORLD OF COLOUR AND DESIGN

Marmoleum was created to complement and enhance the architecture interiors of tomorrow's buildings and construction.

Healthy flooring solutions inspired by nature that live up to their performance promise. Create a better environment. Choose a Marmoleum floor. Creating a new perspective.

Forbo Marmoleum stands for versatility, sustainability and durability. It combines ecological and economic values that help bring modern and contemporary architecture to life.

Marmoleum is a natural floor, created from all natural ingredients. It is the most sustainable floor in the resilient flooring category.

All Marmoleum floors include Topshield2, a double UV cured finish delivering floor performance in the real world, that result in the lowest cost of ownership over its life time.

The stereotype of traditional beige and grey marbled linoleum designs is in the past. Our collections offer a wide choice in colour and design with rich, warm, refined and contemporary looks. Marmoleum has been transformed for the modern office and retail environments.

Marmoleum is available in both sheet and tile with matching colours and designs for easy mix and match. Some designs have an additional texture to bring the floor alive and follow the trend of tactility. With our modular marmoleum tiles and planks you can play to create your own floor design.

SUSTAINABLE & DURABLE

With its 'all-natural ingredients', Marmoleum floor covering is almost like creating a floor covering with nutrients. As a matter of fact, the process of making Marmoleum is not unlike to that of preparing an oven-baked apple pie.

What makes Marmoleum special is that it is created entirely from raw materials obtained from their natural habitat right where they grow and renew, often in just 12 months time.

Jute and flax are annual crops that can be harvested just like wheat or corn. Extracting rosin is a continuous process, while wood flour, a waste material from the timber industry, is derived from European production forests. Limestone is available in abundance.

With Marmoleum, the simple, natural ingredient combination that creates the product. Marmoleum has no other additives to make it look better, no supplements to enhance its green profile and no artificial ingredients to improve stability or flexibility. Marmoleum is what it is and nothing else.

All this makes Marmoleum a natural floor that, after a long 30-plus year life cycle, can start all over again. Marmoleum can be scrapped, since it's biodegrade. Alternatively, burning Marmoleum delivers a higher caloric value and creates thermal energy that outweighs the energy used during production. This demonstrates the full life cycle circle from which nature benefits.



MADE FROM 97%
NATURAL RAW
MATERIALS OF WHICH
70% IS RENEWABLE
AND 43% IS
CHARACTERIZED
AS COMING FROM
RECYCLED MATERIALS



TOPSHIELD2, FOR FLOOR PERFORMANCE IN THE REAL WORLD

The reality of day-to-day life for a floor covering is that it encounters both use and abuse without being able to balance its performance with prescribed cleaning and maintenance regimes. That means cleaning and maintenance is not always carried out exactly 'on time' or in the way prescribed by the manufacturer. The real world requires foolproof solutions.

Forbo Marmoleum is known for its track record in heavy-traffic environments such as schools, health care, offices and public buildings. In these applications, everyday use is characterised by high demands on hygiene, resistance to wear and the need for easy cleaning and maintenance. Dirt and sand carried into the building, hand disinfectant spills and the reality of the pressure of the economy on cleaning and maintenance regimes mean that floors today have to endure and withstand use and abuse to an even higher degree than before.

Topshield2 has been designed to ensure that Marmoleum meets the demands of everyday use, is even more resistant to dirt pick-up and less prone to wear with improved resistance to

scratches and stains to create a floor that gives you lasting performance over time.

Topshield2 provides you with a floor covering that:

- Is naturally bacteriostatic
- Resistant to hand disinfectants
- Has excellent stain resistance
- Is efficient, easy to clean and quick drying
- Soils less and picks up less dirt
- Has improved scratch resistance
- Is easy to maintain
- Can be renovated



AUTHENTIC & VERSATILE

The lowest cost of ownership

Marmoleum has a long and proud heritage. Whether looking for a traditional or more modern design, in sheet or tile, Marmoleum is used in a variety of application areas ranging from hospitals and schools to airports and designer shops. No matter the application, Marmoleum is versatile and has the proven lowest cost of ownership.

SUSTAINABLE & DURABLE

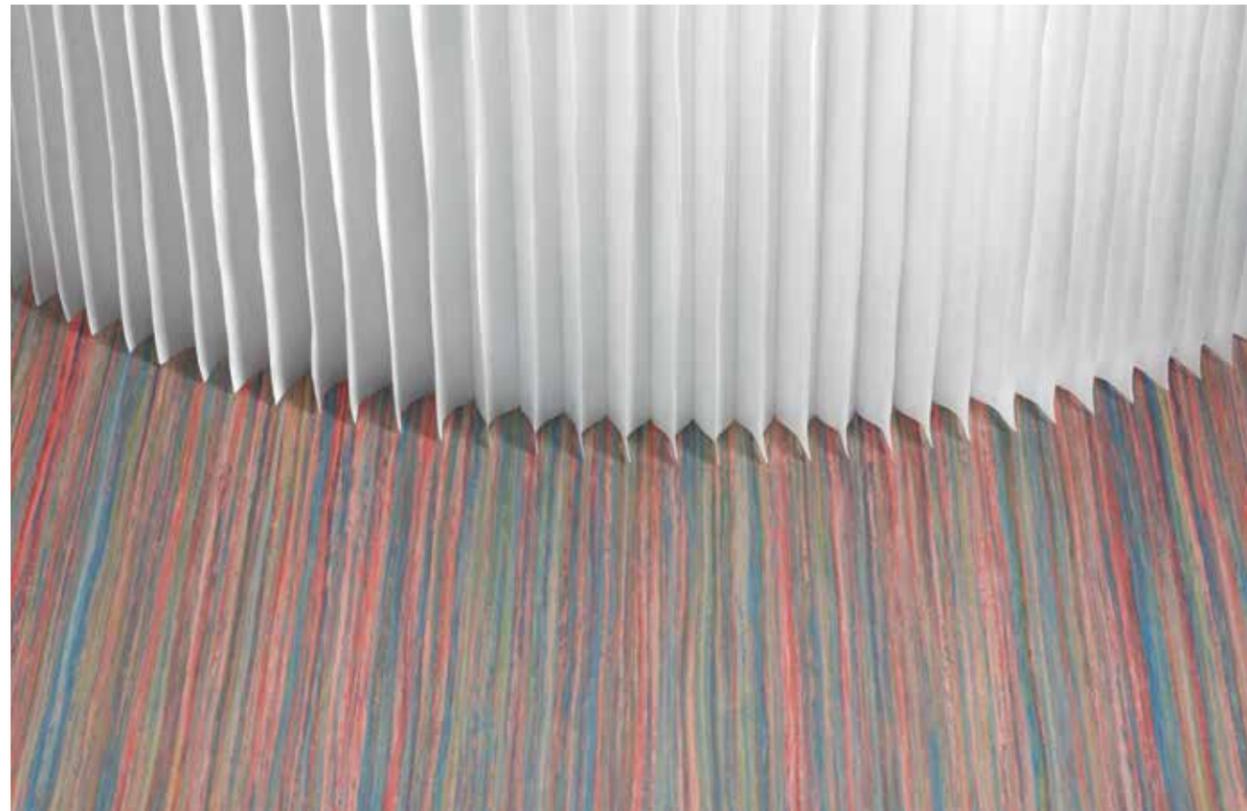
The most sustainable resilient floor

Created from natural, renewable raw materials, one could say that as long as the sun shines and the rain falls we can continue to make Marmoleum. There are no phthalates, plasticisers and no mineral oil in Marmoleum. It has in fact, 97% natural raw materials, 72% rapidly renewable and a 43% recycled content. Combine this with long cleaning and maintenance intervals, and there is no doubt that Marmoleum is the most sustainable resilient floor, bar none.

DESIGN & COLOUR

Designed to let you create the ultimate flooring

The breadth of our colour choice is vast. No other flooring collection offers you so many choices. Our marbled range includes exciting brights & bolds, while our solid range offers a wide range of neutral colourways. Our linear range makes a strong design statement while the patterned range includes both monochromatic tones and more outspoken colours for playful combinations. The modular range open the door to play with planks and tiles while the texture added to some ranges brings the floor to life.



LIFE CYCLE ASSESSMENT & ENVIRONMENTAL PRODUCT DECLARATIONS

We believe an open, honest and transparent approach to demonstrating a sustainable attitude is the only way to show the credits we attribute to our products and processes. Life Cycle Assessment (LCA) is a methodology we use to determine and measure the impact on the environment of any product during its creation, use and what remains when a product reaches its end of life by measuring a set number of impact categories.

The Environmental Product Declaration (EPD) is the outcome of the LCA, which is published in a 3rd party, verified report on a particular product. The EPD for Marmoleum verifies our claims and gives transparent insights into our test results and measurements.

Environmental Stewardship

Marmoleum is manufactured in a state-of-the-art environment where the traditional manufacturing process has been automated in efficient production lines that are run entirely on green energy. At Forbo, we actively steer our processes toward continuous improvement, maximising the use of recycled content in our Marmoleum and working with green design principles whenever new designs or structures are developed.

Marmoleum installation waste take-back schemes

With Forbo's 'Back To The Floor' scheme, installation off-cuts and waste are collected and returned to our factory for reprocessing into new Marmoleum products. On a smaller

scale, in our sampling, we take the same approach. This way, we can do our best to assure full-circle recycling even at points where our product reaches customers.

Labels and Certification, recognition that goes a long way

Marmoleum is among the most certified and environmentally sound floor covering. We value all our labels, whether it's the internationally recognised Swan label, the Blue Angel certification, the North American Sequoia Seal or more specific labels like Nature Plus or the Austrian environmental label. Next to labels and certification, Marmoleum brings real benefits when measured against BRE or LEED certifications. Here, using a Marmoleum floor helps you in the overall rating of your building.





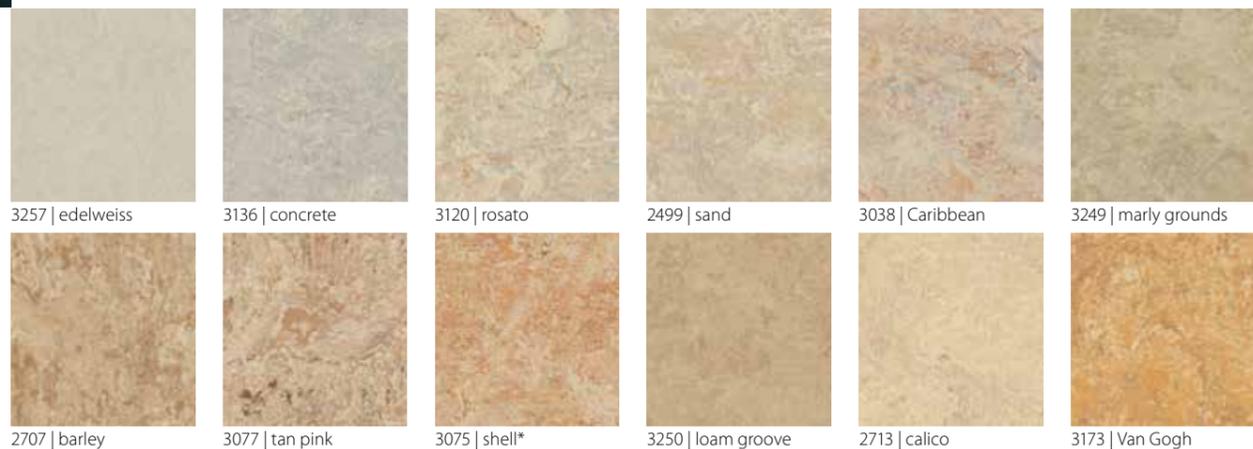
LINOLEUM

- 29 72 **marmoleum® sport**
For use in sports facilities Forbo specially developed Marmoleum Sport.
- 29 78 **furniture linoleum**
A linoleum surfacing material which has a multitude of applications providing a functional finish to walls, furniture, door panels and cupboards.
- 29 83 **bulletin board**
A linoleum surfacing material that is ideal for use on notice- and pin-boards.
- 30 **marmoleum® marbled**
The marbled collection is presented in a vast array of colours, combining stronger and subtler marbled patterns together.
- 34 **marmoleum® solid**
The secret spirit of this collection lies in colour nuances and subtleness. With reference to classic, heritage colours, a conceptual range of (almost) uni colours has been created.
- 44 **marmoleum® patterned**
This collection is a dialogue between the easily understood statement of the black, grey and white Graphics and the subtle, two-tone speckled pattern of Piano.
- 46 **marmoleum® linear**
Linearity is a modern and outspoken trend which we refined and brought up to the colour spectrum of the 21st century. Some colour references are offered with a textured top layer to enhance the tactility of the floor.
- 51 **marmoleum® acoustic**
Marmoleum Acoustic is a twin-layered Marmoleum designed to achieve 14dB impact sound reduction.
- 52 **marmoleum® ohmex**
Marmoleum Ohmex is a special type of Marmoleum with enhanced electrical properties.
- 56 **marmoleum® modular**
Our Marmoleum Modular tile collection takes linoleum out of its traditional environment. With a range of planks and tiles in different formats you can play endlessly to create the ultimate floor design.
- 72 **marmoleum® click**
Marmoleum Click presents a collection of easy to install Marmoleum panels made of HDF board with 2.5 mm Marmoleum on top and a sound absorbing cork backing.
- 78 **marmoleum® sport**
For use in sports facilities Forbo specially developed Marmoleum Sport.
- 84 **furniture linoleum**
A linoleum surfacing material which has a multitude of applications providing a functional finish to walls, furniture, door panels and cupboards.
- 89 **bulletin board**
A linoleum surfacing material that is ideal for use on notice- and pin-boards.



3030 | 3247 | 3173 | 3226

Around the world in 90 colours – Marmoleum marbled collection. Each design reference is developed from a mix of three to eight pure base colours, blended together to create unique marbled structures that give Marmoleum its natural authenticity. The colour palette is an all encompassing spectrum of classic rich warm tones, cool neutral colours complemented by daring and vivid colourways to create a collection that is our most versatile offer yet.



3257 | edelweiss 3136 | concrete 3120 | rosato 2499 | sand 3038 | Caribbean 3249 | marly grounds
2707 | barley 3077 | tan pink 3075 | shell* 3250 | loam groove 2713 | calico 3173 | Van Gogh

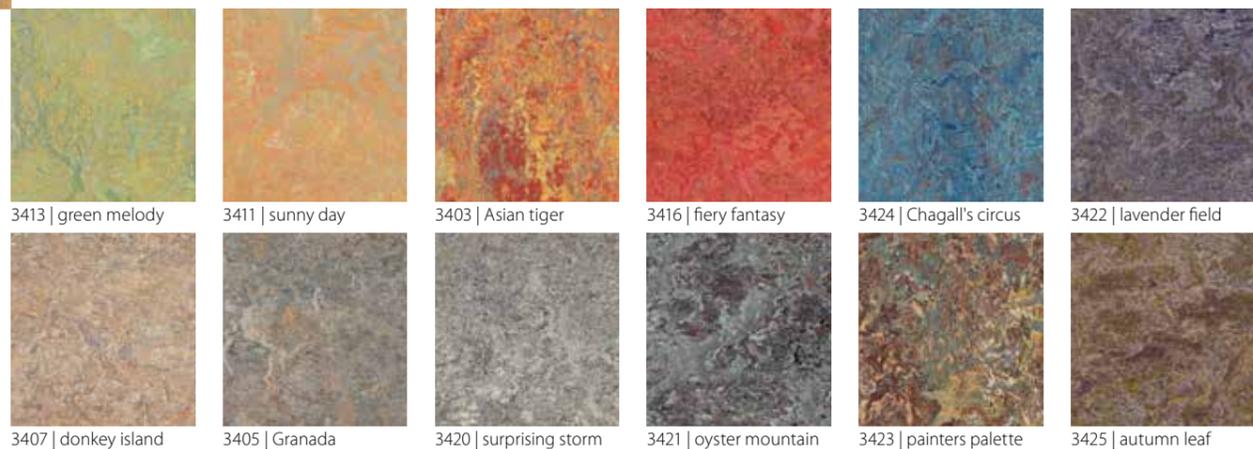
* also available in 3.2 mm ** also available in 3.2 mm and 4.0 mm Matching multi coloured and solid coloured welding rods are available in all collection colours. All colours available in 2.0 and 2.5 mm, unless otherwise indicated.



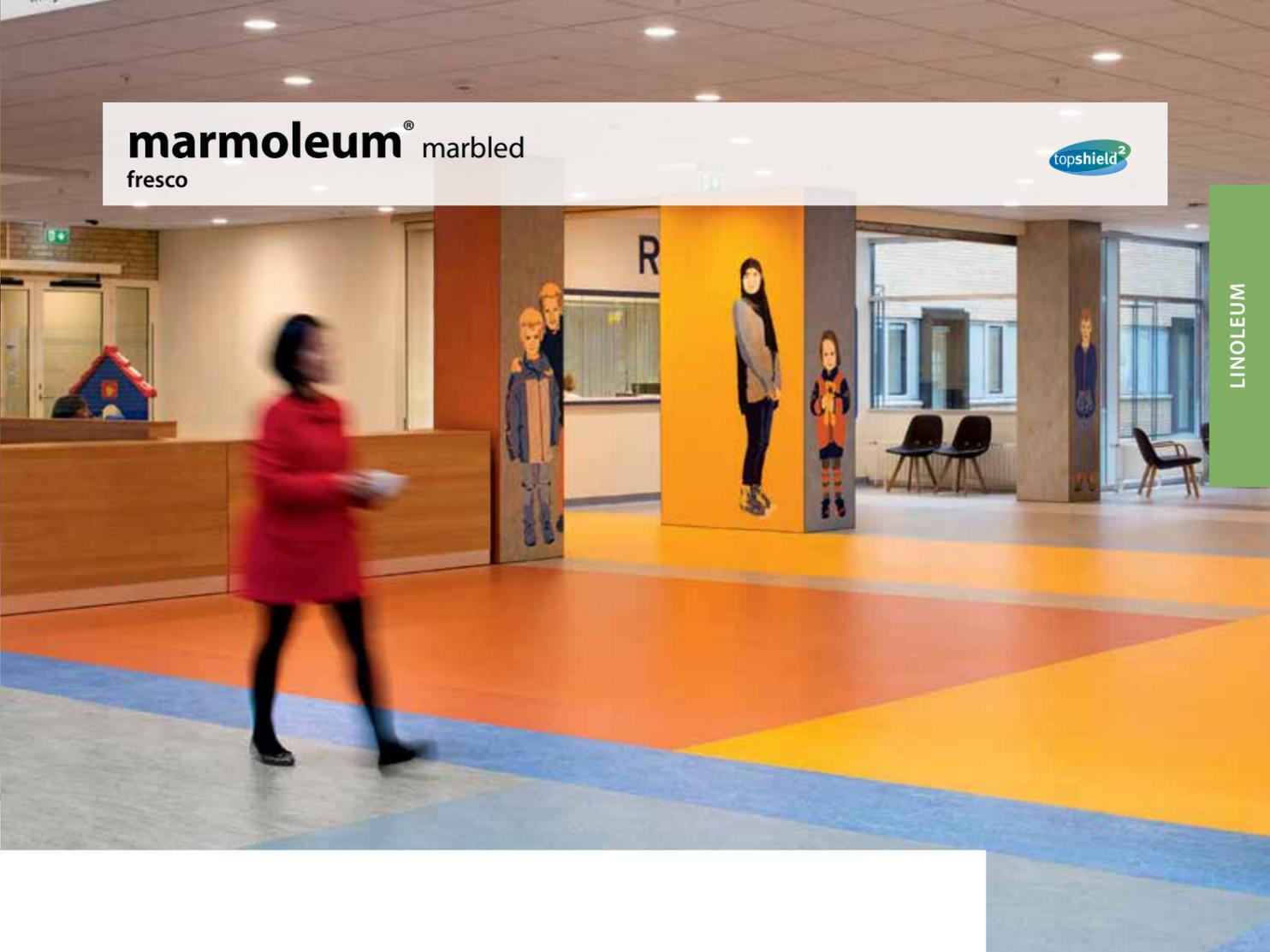
2767 | rust 3174 | Sahara 3226 | marigold 3125 | golden sunset 3225 | dandelion 3251 | lemon zest
3203 | henna 3127 | Bleeckerstreet 3131 | scarlet 3126 | Kyoto 3243 | stucco rosso 3241 | orange sorbet
3242 | adriatica 3255 | pine forest 3239 | olive green 3247 | green 3224 | chartreuse 3240 | willow
3218 | deep ocean 3030 | blue 3205 | lapis lazuli 3055 | fresco blue** 3219 | spa 3238 | laguna
3244 | purple 3245 | summer pudding 3221 | hyacinth 3123 | arabesque 3053 | dove blue 3141 | Himalaya
3233 | shitake 3254 | clay 3246 | shrike 3252 | sparrow 3232 | horse roan 3234 | forest ground
3137 | slate grey 2629 | eiger 3146 | serene grey* 3216 | moraine 2621 | dove grey 3032 | mist grey
2939 | black 3236 | dark bistre 3248 | mammoth 3139 | lava 3048 | graphite



3403



3413 | green melody 3411 | sunny day 3403 | Asian tiger 3416 | fiery fantasy 3424 | Chagall's circus 3422 | lavender field
3407 | donkey island 3405 | Granada 3420 | surprising storm 3421 | oyster mountain 3423 | painters palette 3425 | autumn leaf



3860 | silver shadow 3858 | Barbados 3846 | natural corn 3881 | green wellness 3886 | mother of pearl
3883 | moonstone 3871 | silver birch 3847 | golden saffron 3885 | spring buds 3861 | Arabian pearl
3866 | eternity 3876 | camel 3825 | African desert* 3882 | relaxing lagoon 3828 | blue heaven
3872 | volcanic ash 3874 | walnut 3870 | red copper 3884 | frost

* also available in 3.2 mm
Matching multi coloured and solid coloured welding rods are available in all collection colours. All colours available in 2.0 and 2.5 mm, unless otherwise indicated.

MAROLEUM SOLID

PRESENTING THE PURE NATURE OF LINOLEUM

Forbo proudly introduces Marmoleum Solid, a collection of 5 individual textures that provide the foundation for creating pure distinctive modern spaces. The Solid collection combines an attractive contemporary appearance with an unrivalled versatility that will bring integrity to any space.

PURE DESIGN

- Original and exciting designs with a sense of texture and tactility
- Extensive colour palette fitting the trend for neutral, solid colour experiences
- Designed to combine beautifully with interior finish materials such as wood, glass and metal

PURE EMOTION

- A versatile, authentic floor covering with a long and proud heritage that has a durable and sustainable relevance which is more pertinent than ever
- The deep colour tones and characteristic design elements connect easy with any interior
- It conveys the right first impression and contributes in creating an environment people feel comfortable in.

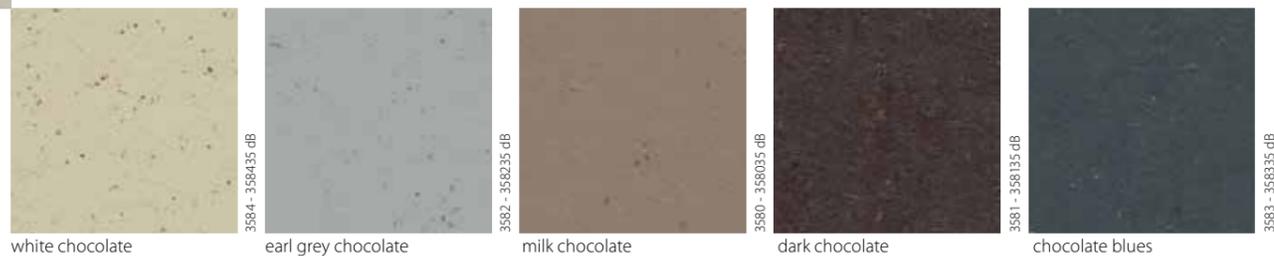
PURE MATERIAL

- Made from natural raw materials including linseed oil and wood flour
- Using modern recycled materials as cocoa shells to create an innovative product which is both relevant and authentic
- Co-created with nature; CO2 neutral and PVC free

marmoleum® solid
cocoa



3584 | 3581 | 3370

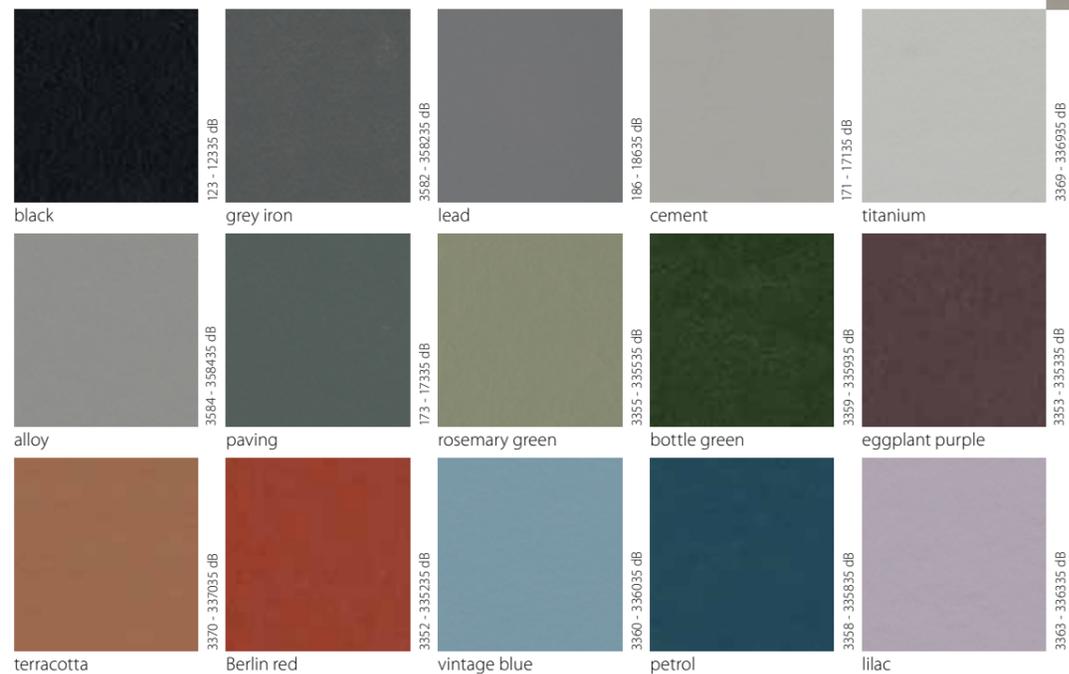


white chocolate 3584 - 358435 dB
 earl grey chocolate 3582 - 358235 dB
 milk chocolate 3580 - 358035 dB
 dark chocolate 3581 - 358135 dB
 chocolate blues 3583 - 358335 dB

marmoleum® solid
walton



171

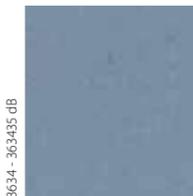
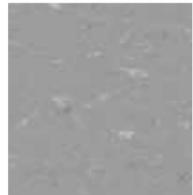
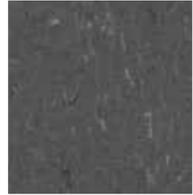
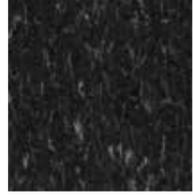


black 123 - 12335 dB
 grey iron 3582 - 358235 dB
 lead 186 - 18635 dB
 cement 171 - 17135 dB
 titanium 3369 - 336935 dB
 alloy 3584 - 358435 dB
 paving 173 - 17335 dB
 rosemary green 3355 - 335535 dB
 bottle green 3359 - 335935 dB
 eggplant purple 3353 - 335335 dB
 terracotta 3370 - 337035 dB
 Berlin red 3352 - 335235 dB
 vintage blue 3360 - 336035 dB
 petrol 3358 - 335835 dB
 lilac 3363 - 336335 dB

marmoleum® solid
piano



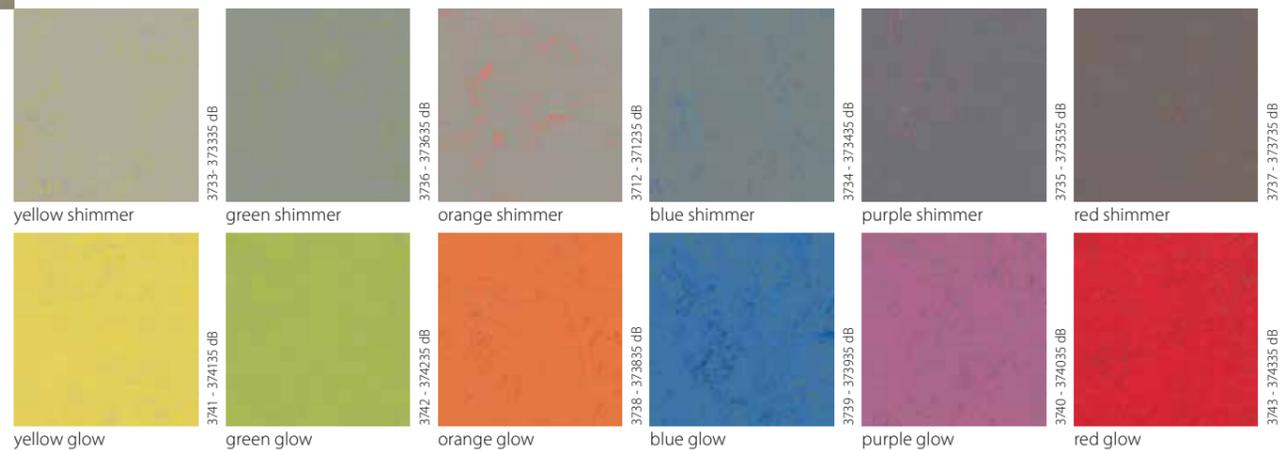
3630 | 3634 | 3644 | 3645 | 3647 | 3607

 frosty grey 3629 - 362935 dB	 polar bear 3650 - 365035 dB	 sunray 3648 - 364835 dB	 meadow 3634 - 363435 dB	 perlwinkle 3642 - 364235 dB
 warm grey 3601 - 360135 dB	 angora 3630 - 363035 dB	 mellow yellow 3622 - 362235 dB	 young grass 3646 - 364635 dB	 Nordic blue 3644 - 364435 dB
 grey dusk 3607 - 360735 dB	 warm grey 3621 - 362135 dB	 zinnia 3622 - 362235 dB	 nettle green 3651 - 365135 dB	 Neptune blue 3647 - 364735 dB
 almost darkness 3613 - 361335 dB	 sealion 3632 - 363235 dB	 salsa red 3625 - 362535 dB	 greenwood 3649 - 364935 dB	 Atlantic blue 3652 - 365235 dB

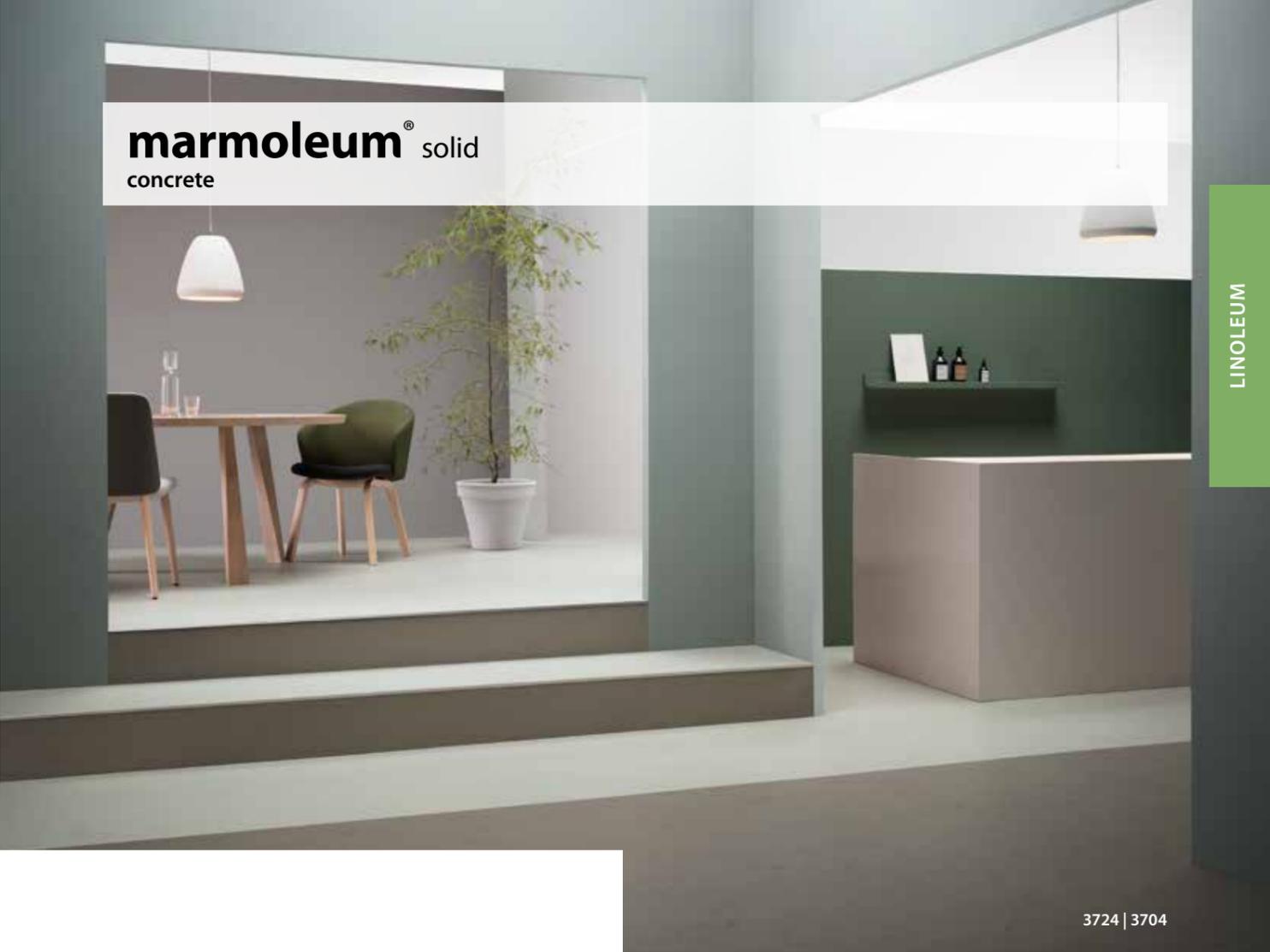
marmoleum® solid
concrete



3369 | 3733 | 3741



marmoleum® solid
concrete



3724 | 3704



marmoleum® solid
slate



e3725



Welsh slate



e3725 - e372535 dB

Newfoundland slate



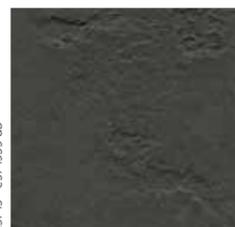
e3746 - e374635 dB

Lakeland shale



e3747 - e374735 dB

Cornish grey



e3745 - e374535 dB

Highland black

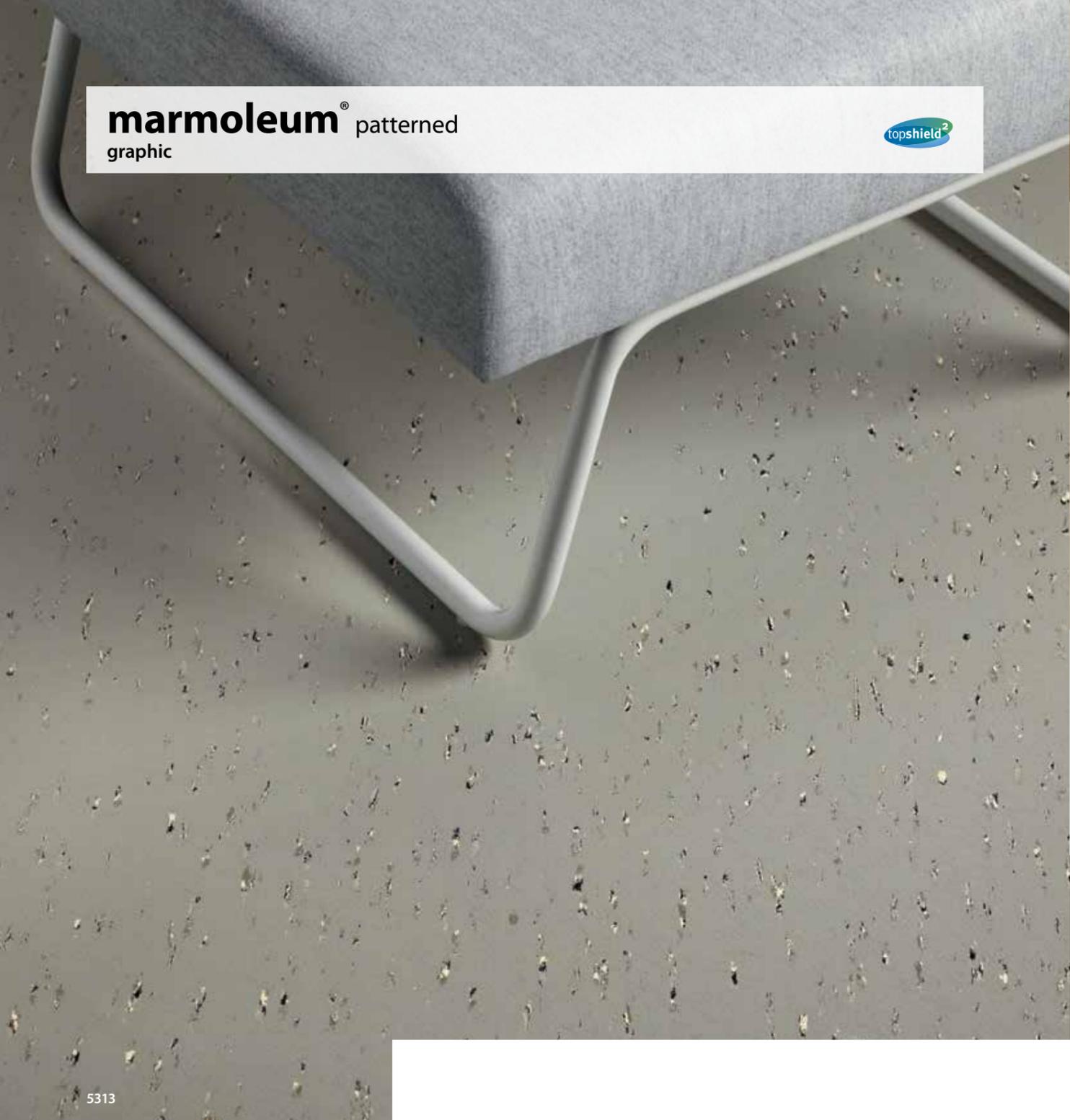
e3707 - e370735 dB



LINOLEUM

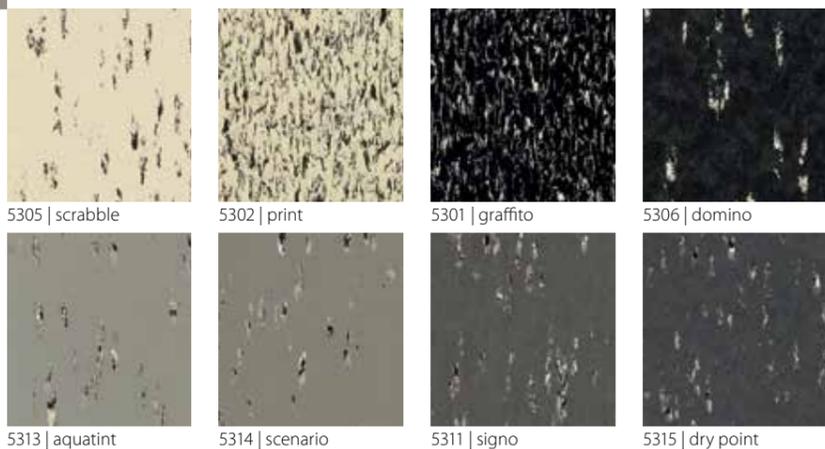
3353 | 3368 | 3367

marmoleum® patterned
graphic



5313

Our Marmoleum Graphic collection consists of a series of high-contrast blacks and whites as well as a range of complementary greys which makes Graphic a truly architectonic collection. Graphic is available in 8 colours that can be coordinated with the collection or with other items from the Marmoleum range.



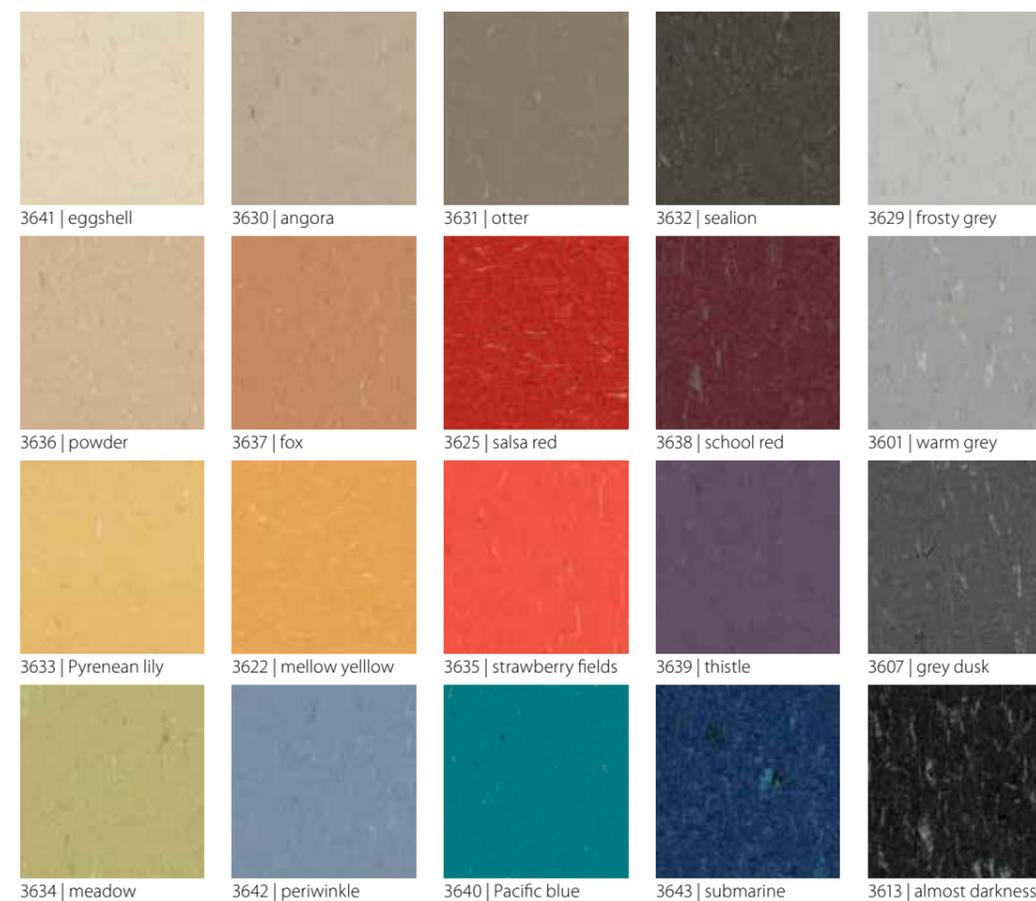
marmoleum® patterned
piano



LINOLEUM

Marmoleum Piano's two-tone speckle effect on an almost solid colour structure results in a harmonious look & feel that emphasises the natural and the sophisticated as the floorcovering appears like a uni colour once installed on the floor. The collection is a diverse range of 20 colours including both bright and muted tones and neutral greys. The subtle speckle structure assures dirt hiding properties.

3630



marmoleum® linear
striato textura



LINOLEUM

The all natural Marmoleum Striato collection presents an exciting range of linear designs in contemporary neutrals where the floor act as a modern backdrop of a natural environment. The naturalness of Striato textura and Striato original answers the trend for tactility and residential feeling. In contrast, the Striato colour items emphasises the brightness and colour that can be created with Marmoleum. Being the lively floor strongly present or the modest base where other elements can become the hero. In all cases Marmoleum flooring defines the space.

Please note digital and printed representations may vary from the actual product. Please order a sample to see the full effect.

e5232



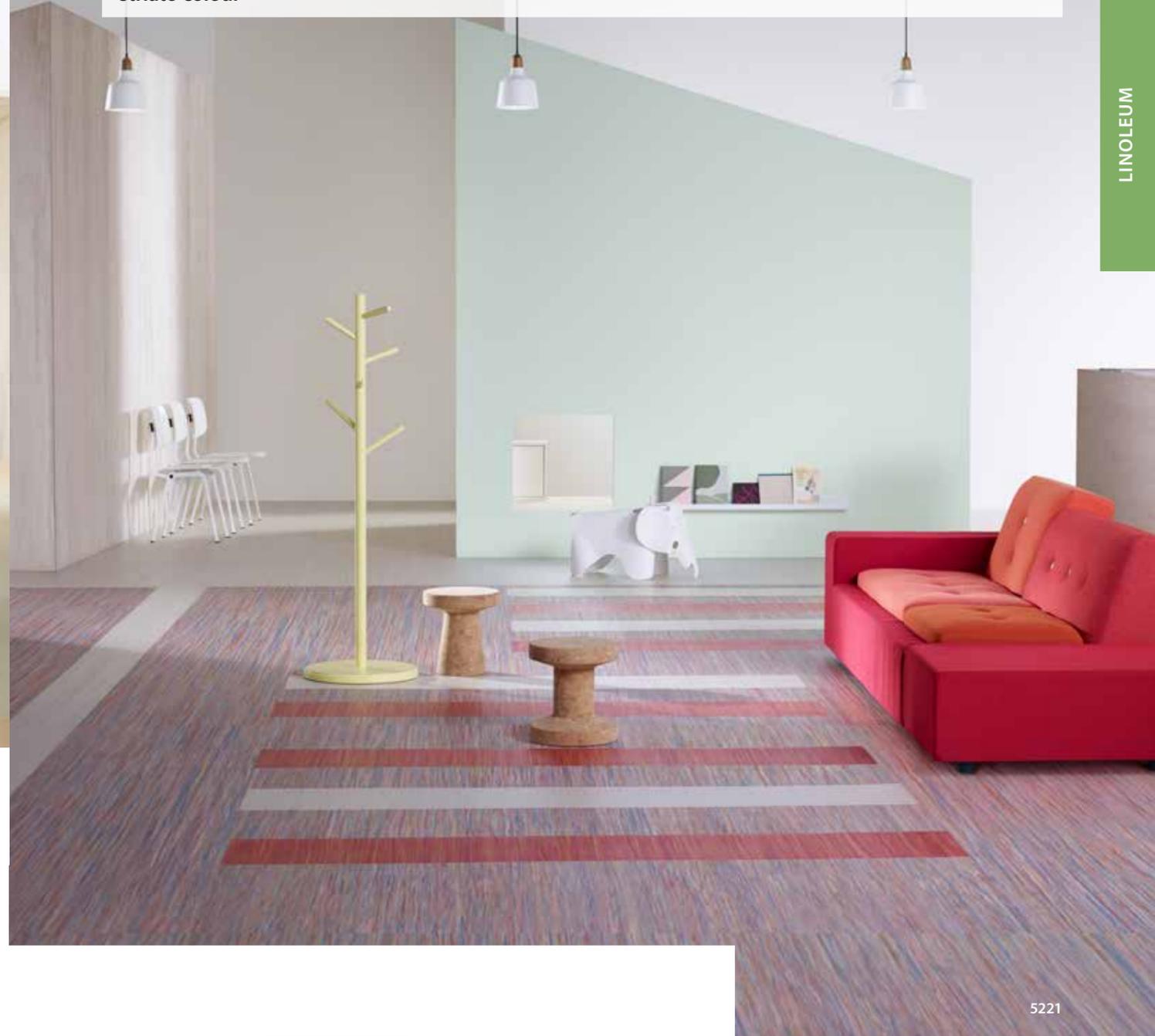
marmoleum® linear
striato original



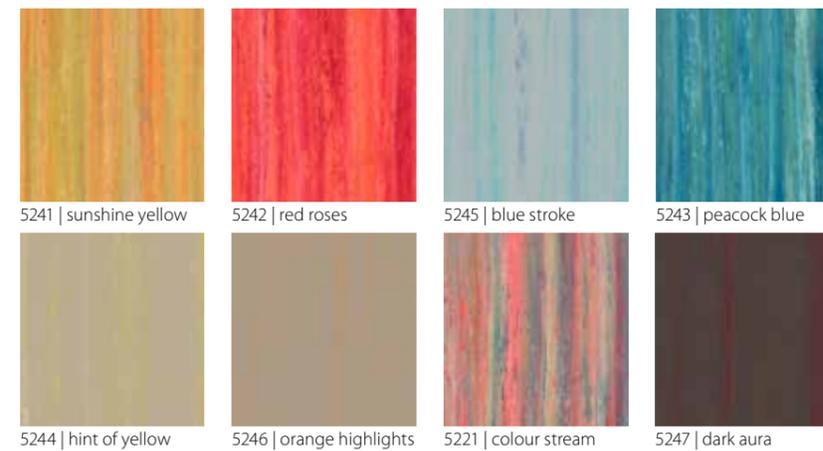
5239 | 5244



marmoleum® linear
striato colour



5221



LINOLEUM

marmoleum® decibel



324735 | 322435

In the linoleum category, Marmoleum Decibel provides reduction of impact sound by 17 dB. Marmoleum Decibel is 3.5 mm sheet floor covering with a 2.5 mm Marmoleum Real laminated onto a 1 mm thick layer of polyolefin foam. Marmoleum Decibel is available in 25 colours that are taken from the Marmoleum Real collection. Alternative Marmoleum designs in a Decibel variety are available on request.



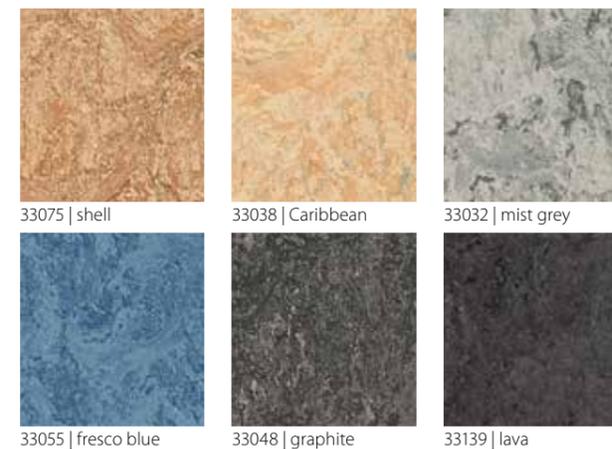
324735 | green



marmoleum® acoustic



33032



Marmoleum Acoustic is a linoleum with a corkment layer adhered to the back of the linoleum. The construction provides an additional acoustic quality to linoleum with a sound reduction of up to 14 Db.





73032 | 73055

Marmoleum Ohmex is linoleum that meets higher requirements for electrical conductivity. Electrical resistance is improved to $< 1-10 \text{ } 8 \text{ } \Omega$ (EN1081), ensuring personal safety and protecting equipment that is sensitive to static electricity.



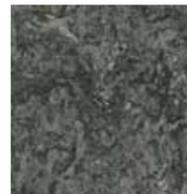
73055 | fresco blue



73038 | Caribbean



73032 | mist grey



73048 | graphite



73032

Technical specifications: marmoleum

Marmoleum meets the requirements of EN ISO 24011
Marmoleum Acoustic meets the requirements of EN 687
Marmoleum Decibel meets the requirements of EN 686

		Marmoleum Real/Fresco	Marmoleum Real/Fresco/Vivace	Marmoleum Real	Marmoleum Real	Marmoleum Decibel	Marmoleum Acoustic	
	Total thickness	EN-ISO 24346	2.0 mm	2.5 mm	3.2 mm	4.0 mm	3.5 mm	4.0 mm
	Domestic: heavy	EN-ISO 10874	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23
	Commercial: general/heavy/very heavy	EN-ISO 10874	Class 32	Class 34	Class 34	Class 34	Class 33	Class 33
	Light industrial: moderate/general/heavy	EN-ISO 10874	Class 41	Class 43	Class 43	Class 43	Class 41	Class 41
	Roll width	EN-ISO 24341	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m
	Roll length	EN-ISO 24341	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m
	Indentation residual	EN-ISO 24343-1	≤ 0.15 mm	≤ 0.15 mm	≤ 0.15 mm	≤ 0.20 mm	≤ 0.30 mm	≤ 0.40 mm
	Castor chair continuous use	EN 425	Suitable for office chairs with castors.					
	Light fastness	EN-ISO 105-B02	Method 3: blue scale minimum 6.					
	Flexibility	EN-ISO 24344	ø 30 mm	ø 40 mm	ø 50 mm	ø 60 mm	ø 40 mm	ø 60 mm
	Resistance to chemicals	EN-ISO 26987	Resistant to diluted acids, oils, fats and to conventional solvents. Not resistant to prolonged exposure to alkalis.					
	Bacteriostatic properties		Marmoleum has natural bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.					
	Cigarette resistance	EN 1399	Marks left on linoleum as a result of stubbed-out cigarettes can be removed.					
	Slip resistance	DIN 51130	R9	R9	R9	R9	R9	R9
	Acoustical impact noise reduction	EN ISO 717-2	≤ 4 dB	≤ 5 dB	≤ 6 dB	≤ 7 dB	17 dB	14 dB
	Electrical resistance Marmoleum Ohmex	EN 1081	-	1-10 ⁶ < R1 < 1-10 ⁹ Ω static dissipative	-	-	-	-
	Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.					



Marmoleum meets the requirements of EN 14041

	Reaction to fire	EN 13501-1	Cfl-s1
	Slip resistance	EN 13893	DS: ≥ 0.30
	Body voltage	EN 1815	< 2 kV
	Thermal conductivity	EN 12524	0.17 W/m-K

Technical specifications: marmoleum

Marmoleum meets the requirements of EN ISO 24011
Marmoleum Acoustic meets the requirements of EN 687
Marmoleum Decibel meets the requirements of EN 686

		Marmoleum Concrete	Marmoleum Walton	Marmoleum Striato	Marmoleum Graphic	Marmoleum Piano
	Total thickness	EN-ISO 24346	2.5 mm	2.5 mm	2.5 mm	2.5 mm
	Domestic: heavy	EN-ISO 10874	Class 23	Class 23	Class 23	Class 23
	Commercial: general/heavy/very heavy	EN-ISO 10874	Class 34	Class 34	Class 34	Class 34
	Light industrial: moderate/general/heavy	EN-ISO 10874	Class 43	Class 43	Class 43	Class 43
	Roll width	EN-ISO 24341	2.00 m	2.00 m	2.00 m	2.00 m
	Roll length	EN-ISO 24341	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m
	Indentation residual	EN-ISO 24343-1	≤ 0.15 mm	≤ 0.15 mm	≤ 0.15 mm	≤ 0.15 mm
	Castor chair continuous use	EN 425	Suitable for office chairs with castors.			
	Light fastness	EN-ISO 105-B02	Method 3: blue scale minimum 6.			
	Flexibility	EN-ISO 24344	ø 40 mm	ø 40 mm	ø 40 mm	ø 40 mm
	Resistance to chemicals	EN-ISO 26987	Resistant to diluted acids, oils, fats and to conventional solvents. Not resistant to prolonged exposure to alkalis.			
	Bacteriostatic properties		Marmoleum has natural bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.			
	Cigarette resistance	EN 1399	Marks left on linoleum as a result of stubbed-out cigarettes can be removed.			
	Slip resistance	DIN 51130	R9	R9	R9	R9
	Acoustical impact noise reduction	EN ISO 717-2	≤ 5 dB	≤ 5 dB	≤ 5 dB	≤ 5 dB
	Electrical resistance Marmoleum Ohmex	EN 1081	-	-	-	-
	Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.			



Marmoleum meets the requirements of EN 14041

	Reaction to fire	EN 13501-1
	Slip resistance	EN 13893
	Body voltage	EN 1815
	Thermal conductivity	EN 12524

PLAY WITH MARMOLEUM MODULAR NATURAL DESIGN TILES

Our Marmoleum Modular tile collection takes linoleum out of its traditional environment. It offers a playful experiment with colour & design, like no other floor covering has done before.

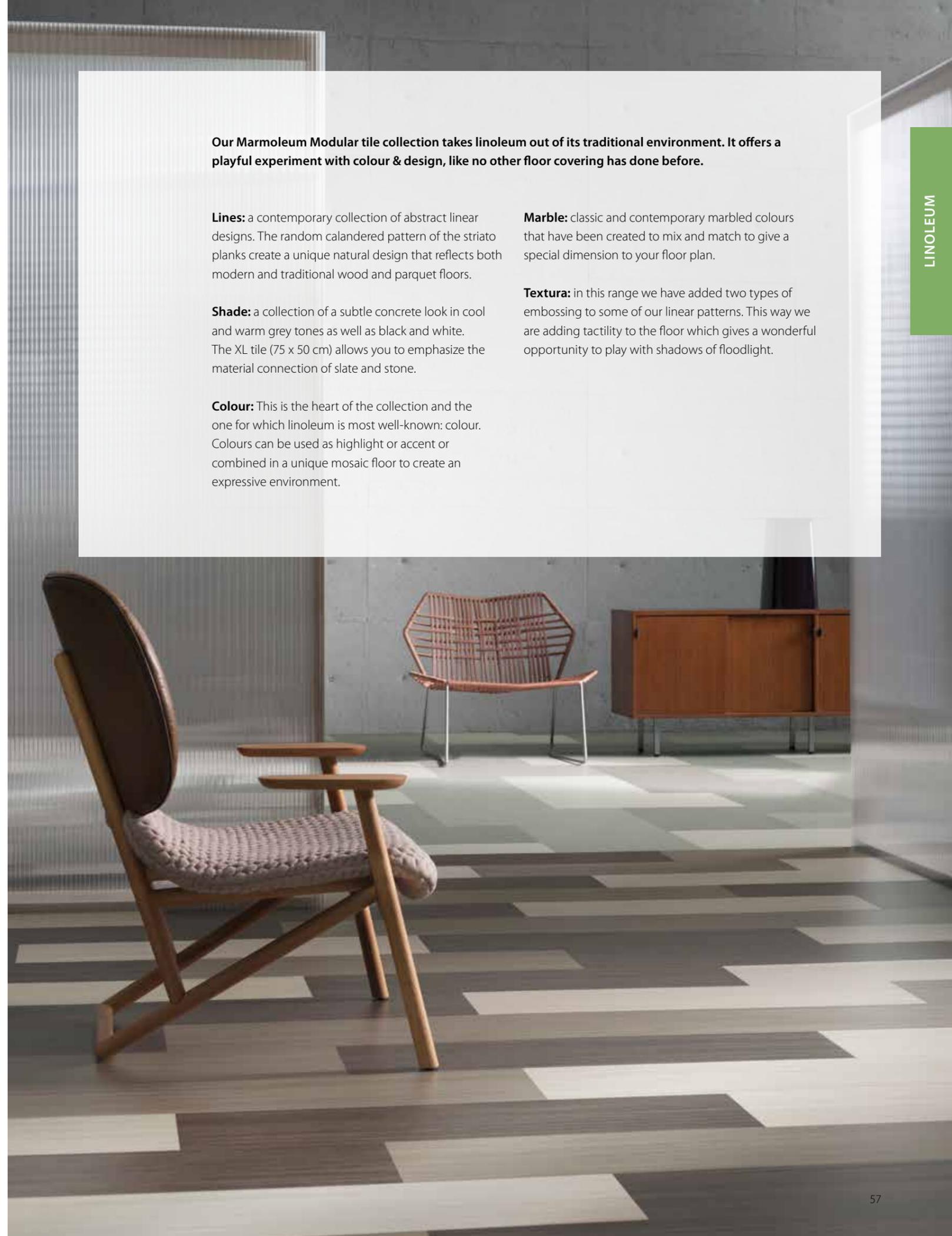
Lines: a contemporary collection of abstract linear designs. The random calandered pattern of the striato planks create a unique natural design that reflects both modern and traditional wood and parquet floors.

Shade: a collection of a subtle concrete look in cool and warm grey tones as well as black and white. The XL tile (75 x 50 cm) allows you to emphasize the material connection of slate and stone.

Colour: This is the heart of the collection and the one for which linoleum is most well-known: colour. Colours can be used as highlight or accent or combined in a unique mosaic floor to create an expressive environment.

Marble: classic and contemporary marbled colours that have been created to mix and match to give a special dimension to your floor plan.

Textura: in this range we have added two types of embossing to some of our linear patterns. This way we are adding tactility to the floor which gives a wonderful opportunity to play with shadows of floodlight.



marmoleum® modular
floorplans



PM-11 (t3254 - t3405 - t3423 - t3425, 50 x 50 cm)

These floorplans serve as inspiration for the wide variety of designs, moods and colour varieties that can be created with Marmoleum Modular. For a full overview and an opportunity to create your own floor plans please visit our floor planner on forbo-flooring.xx/xxxx



PS-11 | 50 x 25 cm



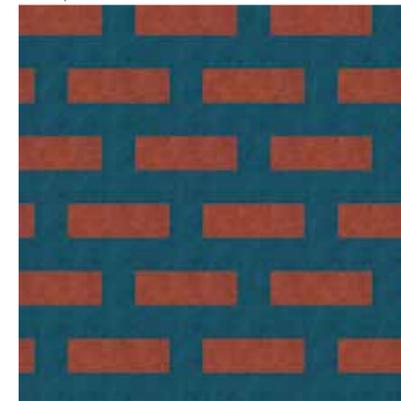
PS-12 | 50 x 25 cm



PS-22 | 75 x 50 cm



PS-21 | 75 x 50 cm



PC-11 | 50 x 50 cm



PG-12 | 50 x 50 cm



PL-11 | 100 x 25 cm



PL-12 | 100 x 25 cm



PL-21 | 100 x 25 cm, 100 x 15 cm



PL-22 | 100 x 25 cm, 100 x 15 cm



PL-31 | 50 x 50 cm



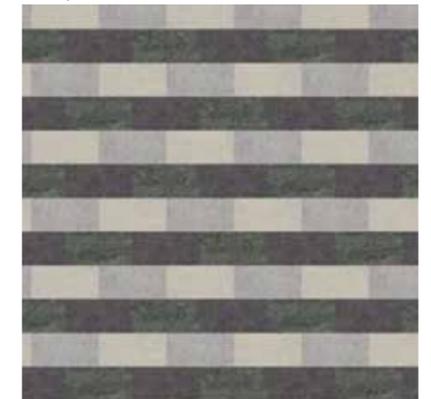
PL-32 | 50 x 50 cm



PM-11 | 50 x 50 cm



PM-12 | 50 x 50 cm



PM-21 | 50 x 25 cm



PM-22 | 50 x 25 cm



PM-31 | 50 x 25 cm



PM-32 | 50 x 25 cm

LINOLEUM

marmoleum® modular
lines

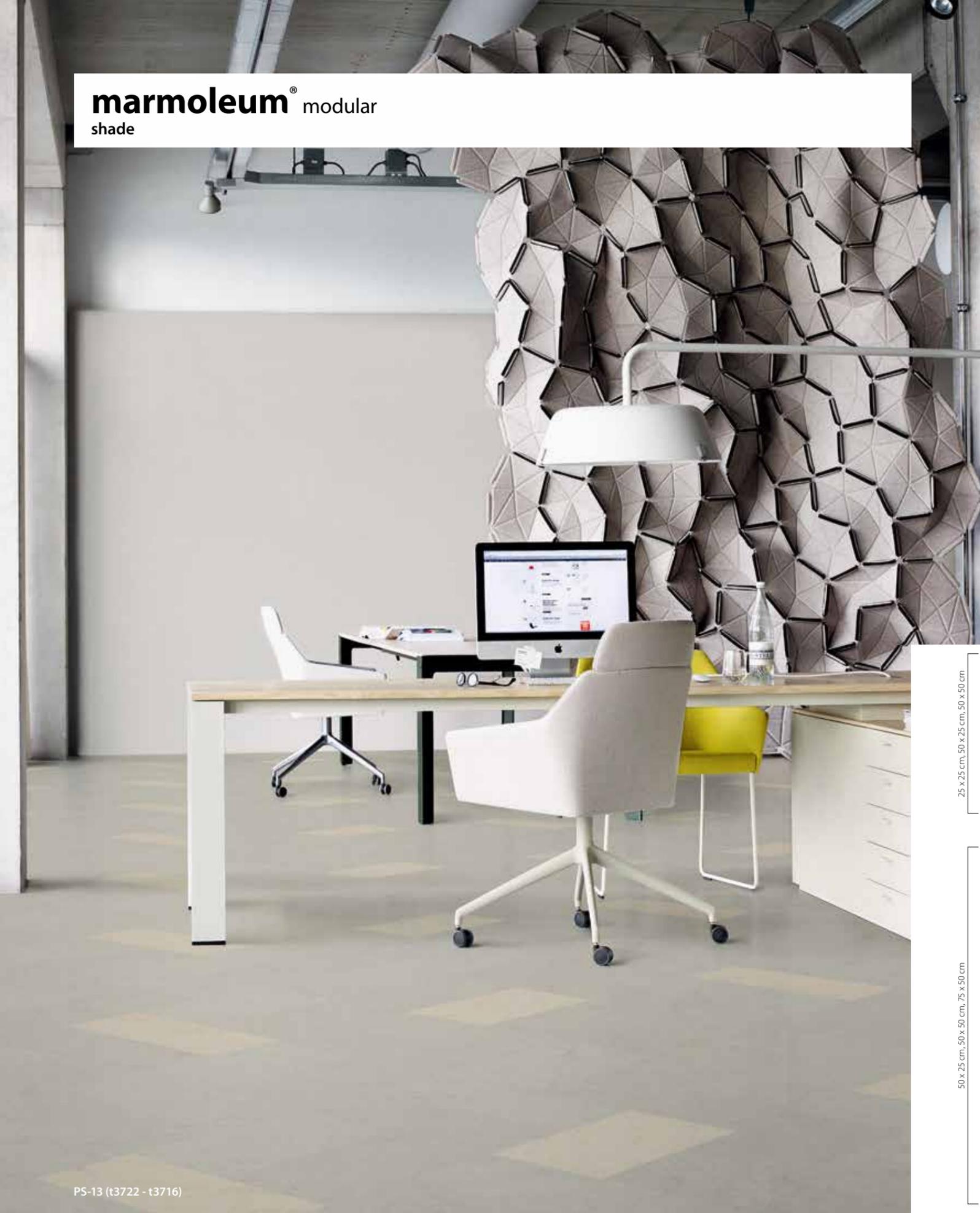


PL-51 (t3575 - t5232)

The collection is created in natural lighter-, yellow, middle-, brown and darker- grey colours. The plank dimension are 100 x 25 cm and 100 x 15 cm. In addition there is a 50 x 50 cm tile and an interesting 25 x 50 cm tile with a cross-grained line in the yellow tones creating a bamboo-like effect.



marmoleum® modular
shade



PS-13 (t3722 - t3716)

4 cool concrete greys and 4 warm sand tones, complemented with classic 'Black and White' tiles. Available tile formats are: 75 x 50 cm, 50 x 25 cm, 50 x 50 cm, 25 x 25 cm. The subtle colour tones in the concrete ranges mixed together create subtle nuances that make your floor come to life when the light captures your floor design.



25 x 25 cm, 50 x 25 cm, 50 x 50 cm

t3722 | stardust*

t3707 | black hole*

75 x 50 cm, 50 x 50 cm

t3716 | Mercury**

t3717 | Neptune**

t3718 | Pluto**

t3704 | satellite**

50 x 25 cm

t3711 | cloudy sand**

t3719 | Malibu beach**

t3720 | sandy coast**

t3721 | Ipanema**

marmoleum® modular
colour



PC-31 (t3238 - t3884 - t3887)

The colour collection contains four contemporary grey tones that are mixed with a single contrast colour, 4 matching pastel tints and a set of 12 fashionable bright and rich colours that make playful and exciting combinations and that liven up the environment.



marmoleum® modular
marble



PM-24 (t3048 - t3139 - t3407)

A collection of 16 classic and contemporary marbled structures, presented in a colour range that has been created to mix and match to give a special dimension to your floor design.



t3407 | donkey island



t2713 | calico



t2707 | barley



t3232 | horse roan



t3405 | Granada



t3252 | sparrow



t3136 | concrete



t3216 | moraine



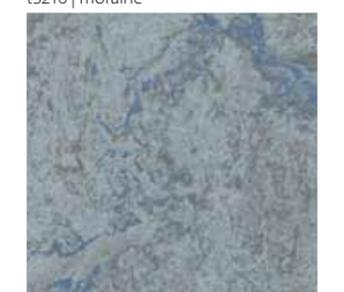
t3425 | autumn leaf



t3246 | shrike



t3146 | serene grey



t3053 | dove blue



t3423 | painters palette



t3254 | clay



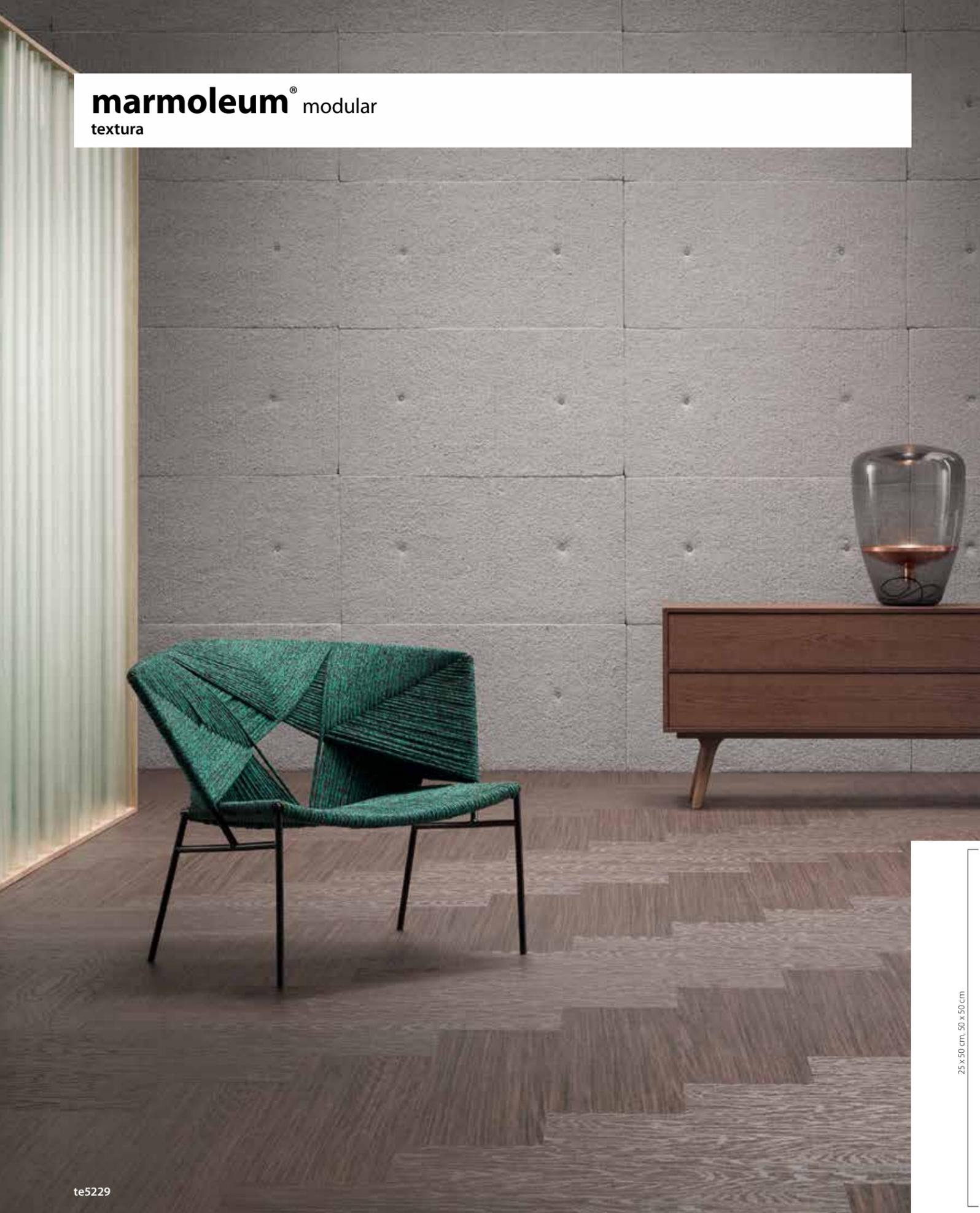
t3048 | graphite



t3139 | lava

25x50 cm, 50 x 50 cm

marmoleum® modular
textura



te5229

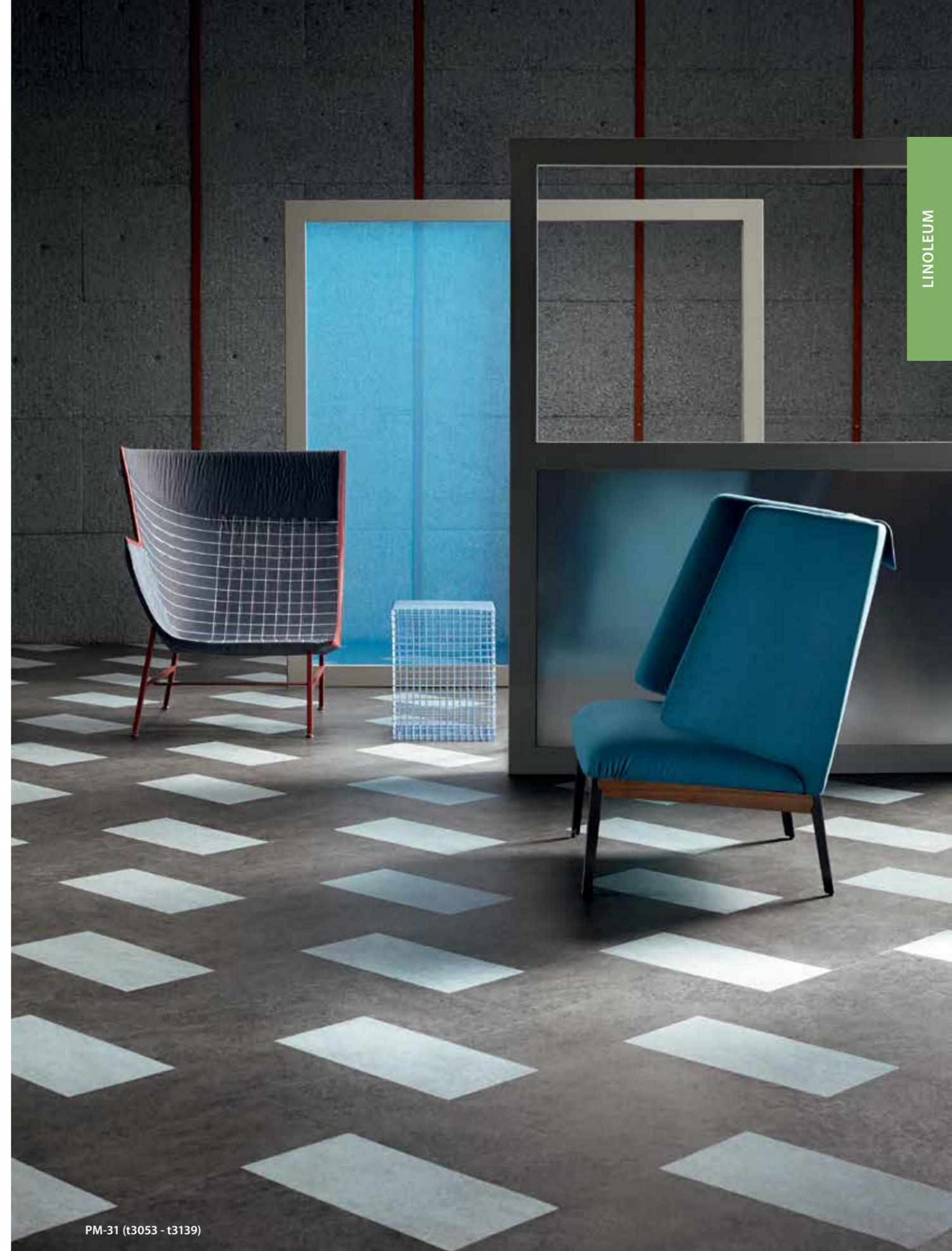
Adding tactility by using embossing bears a wonderful opportunity to play with the subtle shadows of floodlight. By working with tiles you not only can play with direction of light, but you can also make the embossing structure come to life. It enhances the comfortable and familiar feel to natural surroundings.



Technical specifications: **marmoleum**[®] modular

Marmoleum Modular meets the requirements of EN-ISO 24011

		Modular	Modular Textura	
	Total thickness	EN-ISO 24346	2.5 mm	2.5 mm
	Domestic: heavy	EN-ISO 10874	Class 23	Class 23
	Commercial: very heavy	EN-ISO 10874	Class 34	Class 34
	Light Industrial: heavy	EN-ISO 10874	Class 43	Class 43
	Dimensions (length x width)	EN-ISO 24342	25 x 25 cm 25x50 cm 50 x 25 cm 50 x 50 cm 75 x 50 cm 100 x 15 cm 100 x 25 cm	100 x 25 cm
	Squareness and straightness	EN-ISO 24342	≤ 0.35 mm	≤ 0.35 mm
	Residual indentation <i>Typical value</i>	EN-ISO 24343-1	≤ 0.15 mm ~0.05	≤ 0.15 mm ~0.05
	Castor chair continuous use	EN 425	Suitable for office chairs with castors	
	Light fastness	EN-ISO 105-B02	Method 3: blue scale minimum 6	
	Resistance to chemicals	EN-ISO 26987	Resistant to diluted acids, oils, fats and to conventional solvents. Not resistant to prolonged exposure to alkalis.	
	Bacteriostatic properties		Marmoleum has natural bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.	
	Cigarette resistance	EN 1399	There is no melting of the surface by cigarettes. Marks left on linoleum as a result of stubbed-out cigarettes can be removed.	
	Slip resistance	DIN 51130	R9	R9
	Acoustical impact sound reduction	EN ISO 717-2	≤ 5 dB	≤ 5 dB
	Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.	
			EN 14041 CE 0100203-DoP-306	
Marmoleum meets the requirements of EN 14041				
	Reaction to fire	EN 13501-1	C _s -s1	C _s -s1
	Slip resistance	EN 13893	DS: ≥ 0.30	DS: ≥ 0.30
	Body voltage	EN 1815	< 2 kV	< 2 kV
	Thermal conductivity	EN 12524	0.17 W/m-K	0.17 W/m-K



LINOLEUM

PM-31 (t3053 - t3139)

MARMOLEUM CLICK

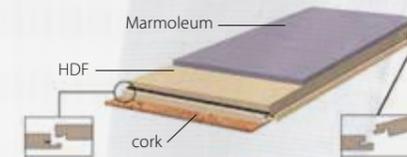
FUN TO DESIGN, EASY TO INSTALL

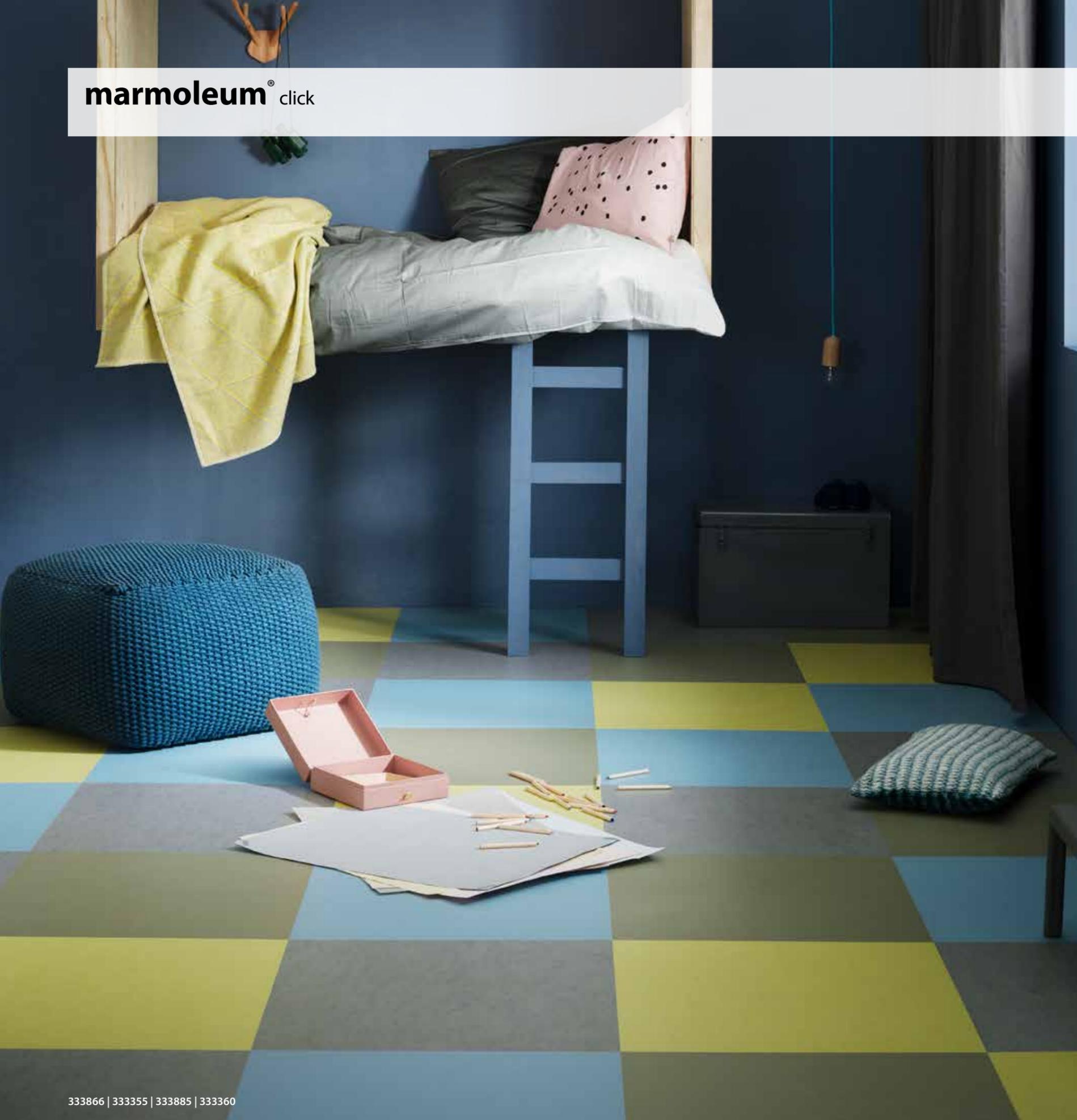
Marmoleum Click is a high quality, easy to install floor panel system made with a high density fibre board (HDF) core, a cork backing and Forbo Marmoleum on top and is available in a wide range of colours. It is ideal for kitchens, living rooms, hallways, bedrooms, playrooms and studies. (Marmoleum Click is not recommended for rooms that regularly get very wet, such as bathrooms and saunas). Marmoleum Click is available in 90 cm x 30 cm panels and 30 cm x 30 cm squares and features a patented click system, which guarantees easy, problem-free installation. With Marmoleum Click, it really is easy to turn your wildest dreams into a beautiful reality.

Marmoleum Click is a snap to install

Marmoleum Click also improves life for people with asthmatic allergies and similar disorders. Not only it is anti-static (which is why it's so easy to keep dust-free), but its lab-proven bacteriostatic properties inhibit microorganisms as well. And because Marmoleum is a natural product, it reaches room temperature quickly, ensuring your house is snug and warm. It can even be used with under-floor heating.

Marmoleum Click is a snap to install. Slot it together with the simple locking system and literally click the panels into place. Because Marmoleum Click panels are wide and leave no seams when connected, it's easy to get a nice smooth finish in no time. And there's no need to mess around with glue or waiting for it dry. Lay it, walk on it. Of course, your Marmoleum Click retailer can also fit your floor, if you prefer. Marmoleum Click can be installed over every type of surface. The only time extra preparation is needed is if the floor or underlay is very uneven (differences of 2 mm or more). We also offer a range of matching skirting finishes to give your room that extra touch.





333866 | 333355 | 333885 | 333360

Marmoleum Click lets you create endless design effects. Quiet shades for a neutral background. Cheerful colours to brighten up your home. Fresh colours that soothe. Light ones to make a room look bigger. Warm colours to make difficult spaces cosy. Marmoleum Click's colours are inspired by nature, but its beauty is more than skin deep.

30 x 30 cm, 60 x 30 cm				
30 x 30 cm				
90 x 30 cm				

Technical specifications: **marmoleum**

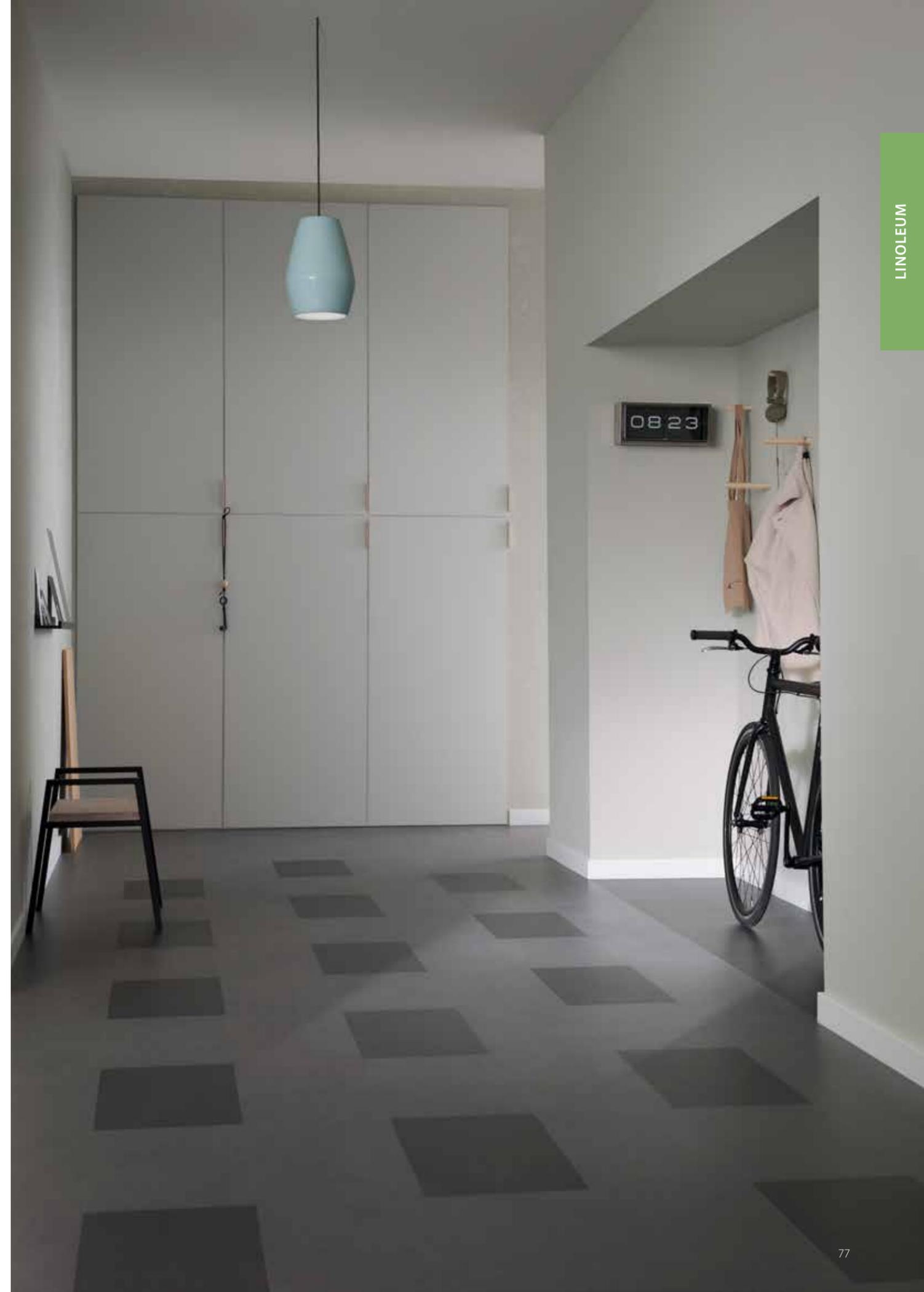
Marmoleum Click meets the requirements of EN 14085

Marmoleum Click		
	Total thickness	EN-ISO 24346 9.8 mm
	Nominal thickness Marmoleum	EN-ISO 24346 2.5 mm
	Locking system	5G
	Domestic: heavy	EN-ISO 10874 Class 23
	Commercial: heavy	EN-ISO 10874 Class 33
	Tile/panel size	EN ISO 24341 30 x 30 cm 60 x 30 cm 90 x 30 cm
	Packaging per carton 30 x 30 cm	0.63 m ² (7 squares)
	Packaging per carton 60 x 30 cm	1.26 m ² (7 panels)
	Packaging per carton 90 x 30 cm	1.89 m ² (7 panels)
	Residual indentation <i>typical value</i>	EN-ISO 24343-1 ≤ 0.15 mm -0.08
	Castor chair resistance	EN 425 Suitable for office chairs with castors.
	Light fastness	EN-ISO 105-B02 Method 3: blue scale minimum 6.
	Resistance to chemicals	EN-ISO 26987 Resistant to diluted acids, oils, fats and to conventional solvents. Not resistant to prolonged exposure to alkalis.
	Bacteriostatic properties	Marmoleum has natural bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.
	Cigarette resistance	EN 1399 Marks left on linoleum as a result of stubbed-out cigarettes can be removed.
	Slip resistance	DIN 51130 R9
	Acoustical impact sound reduction	EN ISO 717-2 > 17 dB ≥ 21 dB (installed on Forbo foam)
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.

Marmoleum Click meets the requirements of EN 14041

	Reaction to fire	EN 13501-1 C _s - s1
	Formaldehyde emission	EN ISO 717-1 E1
	Slip resistance	EN 13893 DS: ≥ 0.30
	Body voltage	EN 1815 < 2 kV
	Thermal conductivity	EN 12524 0.15 W/m-K

EN 14041
CE
0101601_DoP-511



MARMOLEUM SPORT

THE INNOVATIVE IN-DOOR SPORTS FLOORING

Marmoleum Sport is available in 12 colours that have been designed based on colour patterns commonly applied in sports halls and gymnasiums. The colours can be combined to add accented shapes in the floor for certain sports applications and are dirt concealing. Marmoleum Sport belongs to the category of area-elastic sports floor constructions and fulfils the latest European sport flooring standard EN14904 and the German standard DIN V 18032-2. Area-elastic floors minimise the risk of injury.

According to the German standard DIN V 18032-2 and European EN 14904 all sport functional and technical characteristics are covered. Taking into account the range of requirements in sports halls in these standards for linoleum sport floor coverings a material thickness of 3.2 mm is recommended. 3.2 mm corresponds to the latest state of the art performance requirements and is in accordance with applicable national and European Standards.



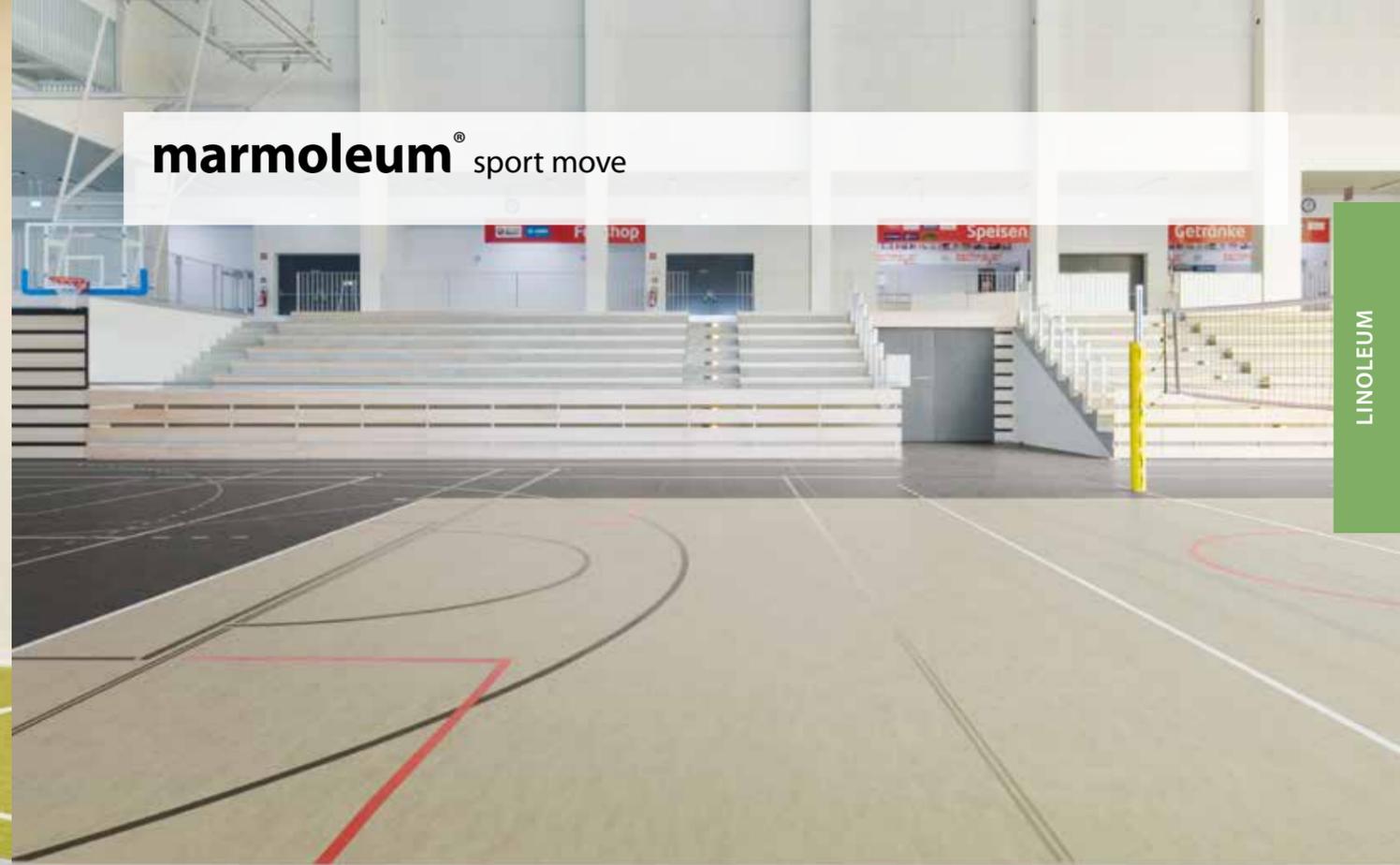
marmoleum[®] sport



83120 + 83878

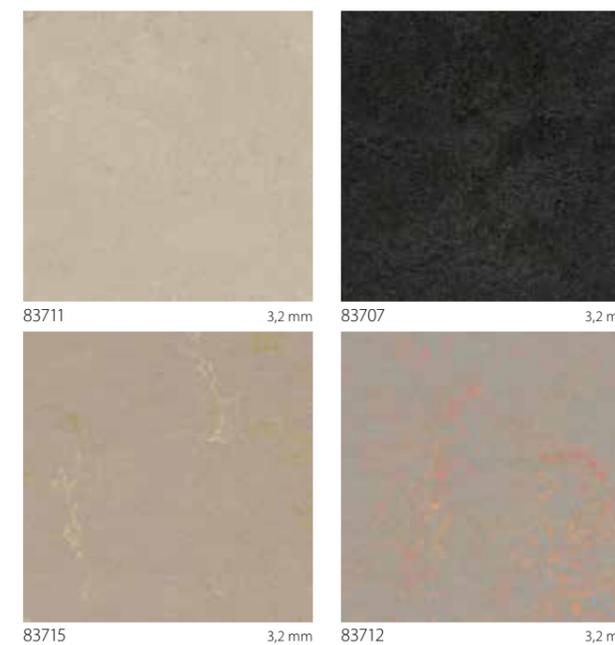


marmoleum[®] sport move



LINOLEUM

83711 + 83707



Marmoleum sport is a natural linoleum that is supplied without any surface treatment to facilitate the application of sports-striping to indicate the variety of indoor sports that can be played in the venue, after which a suitable surface finish is applied.

Technical specifications: **marmoleum** sport

Marmoleum Sport meets the requirements of EN-ISO 24011, EN 14904 and DIN V 18032-2

	Total Thickness	EN-ISO 24346	3.2 mm	4.0 mm
	Roll Width	EN-ISO 24341	2.00 m	2.00 m
	Roll Length	EN-ISO 24341	≤ 28m	≤ 28m
	Total Weight	EN-ISO 23997	3.7 kg/m ²	4.6 kg/m ²
	Flexibility	EN-ISO 24344	50 mm	60 mm
	Light reflection	DIN 5036-3	≥ 0.20 (except colour 83210, 83215, 83707)	≥ 0.20 (except colour 83210, 83215, 83707)
	Light Fastness	EN-ISO 105-B02	Method 3: blue scale minimum 6.	
	Acoustical impact noise reduction	EN-ISO 717-2	6dB	7dB
	Castor Chair continuous use	EN 425	No effect	No effect
	Residual Indentation	EN-ISO 24343-1	≤ 0,15 mm	≤ 0,20 mm
	Bacteriostatic properties		yes	yes
	Cigarette resistance	EN 1399	There is no melting of the surface by cigarettes. Marks left on linoleum as a result of stubbed-out cigarettes can be removed.	
	Slip Resistance	EN 13893	DS ≥ 0.30	DS ≥ 0.30
	Body voltage	EN 1815	< 2 kV	< 2 kV
	Thermal conductivity	EN 12524	0.17 W/m-K	0.17 W/m-K
	Life Cycle Assessment		yes	yes

EN 14904
CE
0100208_DoP-309

Marmoleum Sport meets the requirements of EN 14904

	Reaction to fire	EN 13501-1	C _g S1	C _g S1
	Friction	EN 13036-4	80-110	80-110
	Resistance to rolling load	EN 1569	Pass	Pass
	Resistance to wear	EN-ISO 5470-1	≤ 1000mg	≤ 1000mg

Marmoleum Sport meets the emission requirements and is AgBB by DIBt building approval: approval no. Z-156604-627]

Certification from sports associations, e.g. Fiba or IHF, is only provided on the surface layer in combination with the subfloor. There are examples in the market available of complete floor systems which use Marmoleum Sport that received certificates from either Fiba, IHF or other sport associations.



83715

LINOLEUM FOR WALL AND FURNITURE SURFACE APPLICATIONS

The Furniture and Bulletin Board are linoleum products which have a multitude of surface application possibilities. Its properties make it ideally suited for use on notice boards, and it provides a functional finish to walls, furniture, door panels and cupboards. Both collections are produced from renewable raw materials.

Furniture linoleum

Forbo Furniture Linoleum is the finishing touch for everyone who wants to create breathtaking beautifully designed and functional furniture that will stand out from the crowd while also standing the test of time. A high-quality material with a proven pedigree, Furniture Linoleum is renowned for its elegance and durability and is suitable for countless stunning decorative surfacing applications. The unique aesthetic and tactile properties of Furniture Linoleum ensure that every object develops its own character. The combination of matt surface and a warm, soft texture are your guarantee for interior furniture with a truly distinctive, genuinely individual look and feel that really is unlike any other surface material available.

Bulletin Board

Bulletin Board is a linoleum surfacing material with exceptional durability that is ideal for use on noticeboards and pinboards. Bulletin Board is applicable wherever people communicate with one another. The strong, durable, resilient properties of Bulletin Board prevent crumbling and loss of grip often associated with traditional materials such as cork or soft board. Bulletin Board is hygienic due to the fact that it does not attract dust and is bacteriostatic.

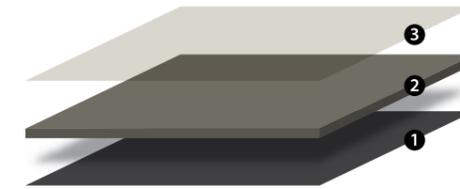
Bulletin Board can be applied to flat concrete walls, walls with a cement-stabilised plaster finish, gypsum walls, dividing walls and sheet materials such as hardboard, fibreboard, plywood, MDF and HDF. It can be applied to the wall in a vertical or horizontal direction.



furniture linoleum



4175



- 3. Water-based, cross-linked finish
- 2. Linoleum
- 1. Paper

Forbo's Furniture Linoleum, Desktop, is a natural surfacing material that delivers the finishing touch for all high end 3D furniture designs such as desks, chairs, stools, cabinets, doors and displays. The material is flexible and can be applied as a surface on all kinds of constructions. Furniture Linoleum is renowned for its elegance and durability, radiating high quality and finesse.



4157 | pearl



4185 | powder



4176 | mushroom



4175 | pebble



4177 | vapour



4132 | ash



4155 | pewter



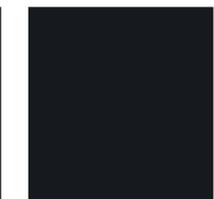
4178 | iron



4172 | mauve



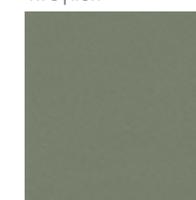
4166 | charcoal



4023 | nero



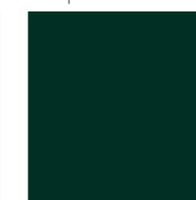
4183 | pistachio



4184 | olive



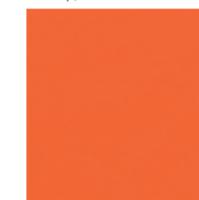
4182 | spring green



4174 | conifer



4180 | aquavert



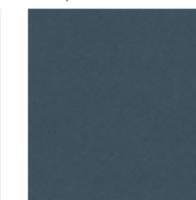
4186 | orange blast



4164 | salsa



4154 | burgundy



4179 | smokey blue



4181 | midnight blue

bulletin board®



Pinboard linoleum, or Bulletin Board, offers a practical, simple solution to collect and exchange thoughts and ideas whenever people plan, create and meet. Simply share your thoughts by pinning your idea onto the wall. Bulletin Board is an all natural material that can be applied in framed pin boards or directly onto the wall. Its surface is tactile and colourful, creating a decorative element in your space, in addition to being a practical aid in your day to day activity.

* also available in 183 cm



Technical specifications: **furniture linoleum**

Desktop meets the requirements of EN 688

		desktop*
	Total Thickness	EN 428 2.0 mm
	Collection size	20
	Roll width	EN 426 1.83 m
	Roll length	EN 426 ≤ 30 m
	Total weight	EN 430 2.1 kg/m ²
	Indentation-residual	EN 433 < 0.20 mm
	Light fastness	ISO 105-B02 Method 3: blue scale minimum 6.
	Gloss level	ISO 2813 < 5
	Flexibility	EN 435 ø 50 mm
	Resistance to chemicals	EN 423 Resistant to diluted acids, oils, fats and to the conventional solvent. Not resistant to prolonged exposure to alkalis.
	Heat resistance	EN 433 70 ° C.
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact
	Body voltage	EN 1815 < 2 kV

* Typical value

The above information is subject to modifications for the benefit of further improvements.

Technical specifications: **bulletin board**

	Total Thickness	EN-ISO 24346 6.0 mm ± 0.25 mm
	Roll Width	EN-ISO 24341 1.22 m (3 colours in 1.83 m)
	Roll Length	EN-ISO 24341 ≤ 28 m
	Total Weight	EN-ISO 23997 4.7 kg/m ² ± 10%
	Flexibility	EN-ISO 24344 Ø 50 mm, according to method A
	Sound absorption coefficient	EN-ISO 354 α _w 0.1 (typical)
	Thermal conductivity	EN 12524 0.10 W/m-K
	Self-healing properties	LH000420 yes
	Force on pins - Perpendicular to pin direct	LH000421 25 N (typical)
	Force on pins - Perpendicular to pin at 7 mm	LH000421 10 N (typical)
	Force on pins - Parallel to pin (pulling the pin out)	LH000421 15 N (typical)
	Bacteriostatic properties	EN-ISO 22196 yes
	Chemical resistance	EN-ISO 26987 Resistant to diluted acids, oils and most conventional solvents such as alcohol, white spirit, etc. Not resistant to prolonged exposure to alkalis.
	Dimension stability	Due to the natural jute back, providing a strong durable foundation, the product is dimensionally stable in all directions when properly installed. It resists cracking, drying and peeling.
	Anti-static	yes
	Gloss	Only available in matt colours, so that reflection caused by sunlight or artificial light is reduced.
	Natural materials (e.g. cork, linseed oil, jute)	91%
	Recycled content	43%
	PVC, PET, plasticizers content	0%

A modern interior scene featuring a chair, a table with decorative objects, and a clothing rack. The room has a minimalist aesthetic with a light-colored wall and a dark floor. A long, low table holds several decorative items, including a small clock, a cactus-shaped light fixture, and two glowing spherical lamps. A chair with a dark seat and backrest is positioned in the foreground. In the background, a white clothing rack holds a few items of clothing, and a pair of white sneakers sits on the floor nearby.

PROJECT VINYL



PROJECTVINYL

Luxury Vinyl Tiles

- 96 **allura**
Allura LVT floors present the ultimate finesse in realistic wood and stone designs that have been made with high end European based production techniques to create today's most realistic and natural look & feel in luxury vinyl tiles.
- 108 **allura flex**
Allura Flex loose lay tiles and planks are the ultimate LVT. High quality, dimensionally stable, heterogeneous vinyl tiles that have been specifically designed for loose lay installation.
- 114 **allura flex 0.55**
Allura Flex 0.55 loose lay tiles bring a new design concept to loose lay installation. This multi-layer dimensionally stable high tech vinyl tile is designed to reflect the latest flooring trends and offers unique designs and endless combination opportunities.
- 118 **allura flex decibel**
Allura Flex Decibel is looking stunning with an impact sound reduction of 19dB. It offers similar speedy installation properties and dimensional stability as regular allura flex products.
- 120 **allura click**
18 elegant designs in woods and stones which can be quick and easily installed thanks to the unique and patented click system. Realistic plank sizes, natural embossing and true tone colours make every item unique.

Homogeneous Vinyl

- 130 **allura colour**
The Allura Colour tiles are unique high density pressed flooring tiles with a homogeneous composition ensuring an outstanding performance under high traffic conditions.
- 134 **sphera**
Sphera is Forbo's new premium, homogeneous vinyl collection. Styled by our European design team and using the latest production technology in an advanced purpose-built manufacturing plant, Sphera comprises three distinct ranges, Element, Energetic and Evolution. Each range offers differentiated aesthetics to ensure that Sphera adds interest and style to floor designs across a broad range of applications.

Heterogeneous Vinyl

- 144 **eternal**
Eternal vinyl floors present an advanced range of natural wood, stone, textile and colour designs along with some exclusive digitally printed visuals. Eternal is a high tech heterogeneous compact sheet vinyl that fits all general purpose needs in various segments.
- 154 **digitally printed vinyl**
Our advanced digital printing technology has provided our design team with the tools to develop striking visuals that cannot be achieved with conventional print techniques but also has the option to design your own floor.
- 158 **step**
Step safety vinyl floors have guaranteed life time slip resistant performance and also offer unique solutions for wetroom applications, providing the best 'bare foot', as well as 'bare foot / footwear' non slip solutions. The collection comprises various subranges each with it's own properties, offering a solution for any area that requires a safety floor.
- 176 **sarlon acoustic vinyl**
Takes sound reduction to the next level. Acoustic floors have an important contribution when it comes to reducing noise in buildings. Forbo Flooring is a specialist in acoustic floors with more than 30 years of experience. In our Sarlon acoustic vinyl range we offer floors with an impact sound reduction of up to 19dB in a wide variety of colours and designs.

ESD Floor Covering

- 190 **colorex**
The Colorex collection offers a premium brand of conductive and static dissipative high density dimensional stable tiles. Colorex is an advanced technical flooring system specifically designed to control static discharge in sensitive areas such a cleanrooms, operating theatres and the electronics industry.



allura

means more choice...

Allura is Forbo's brand of Luxury Vinyl Tile (LVT) and over the past decade, it's established itself as one of the most popular brands in our extensive product portfolio. There is no other LVT in the market today that can match Allura in terms of design, technology and sustainability. Designed and produced in Europe, Allura uses advanced production technology to ensure maximum dimensional stability so that the appearance of the floor remains as seamless as the day it was installed. Protected by our exclusive lacquering system it will stand the test of time.

The Allura design signature is inspiring, offering over 100 different designs in a wide variety of different sizing. This including our widest collection of wood designs. The range of stone and abstract designs ranges from classic marbles and concretes to eye catching galaxy and space designs. Allura is the Luxury Vinyl Tile of choice, take a look and see for yourself what Allura has to offer you and get inspired by the endless possibilities.

For increased flexibility, a selection of 34 designs are available in both fully adhered, click and loose lay (tackified) formats.



DESIGN INNOVATION

- Beautiful wood, stone, metal and abstract designs offered in many different sizes of planks and tiles
- Each wood and stone design reflects true life
- 14 embossing structures make Allura come to life, choosing the right structure for every design
- Striking new LVT designs such as Hungarian point and XXL planks

DURABILITY PERFORMANCE

- Embossed lacquering systems ensure lasting appearance retention
- Scratch and stain proof by hard, yet flexible top layer
- 100% dimensionally stable avoiding gaps between tiles appearing over time

SUSTAINABLE EASY

- Manufactured with green electricity and 100% phthalate free
- Over 20% recycled content in the backing
- Easy to clean and maintain through specially embossed top-layer



The phthalate free Allura collection is REACH* compliant and produced in Europe with low emission levels.

The excellent dimensional stability ensures safe and hygienic floors as dirt isn't trapped in the seams. Available in natural stress reducing designs and high LRV's, choosing Allura means you are choosing to create better indoor & outdoor environments.

* Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) address the production and use of chemical substances and their potential impacts on both human health and the environment.

allura®



w60286

allura®



w60343

PROJECT VINYL





w60664 | w60269

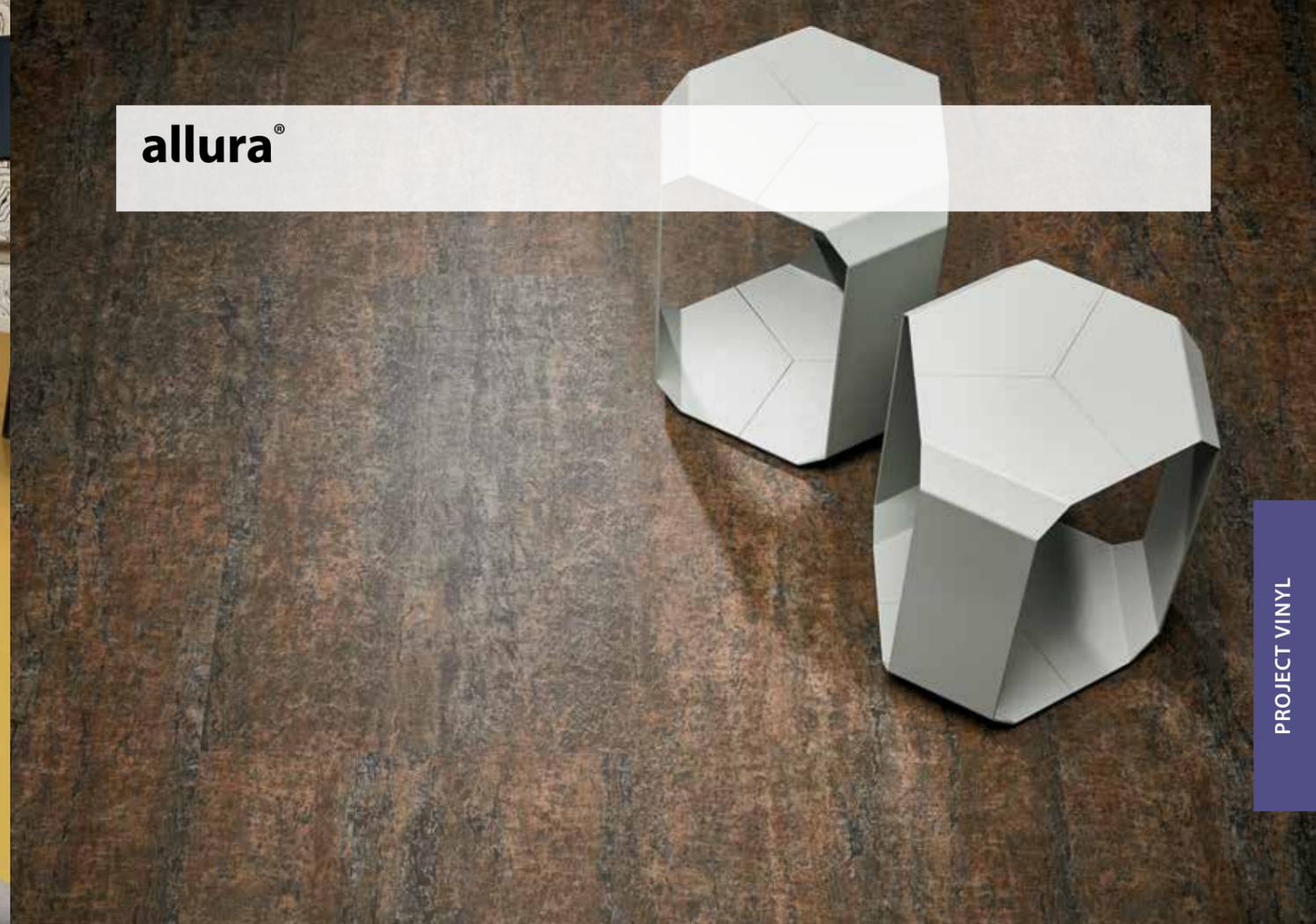


allura®



s62534 | a63499

allura®



s62569

PROJECT VINYL



↙ 4 sided bevelled



↙ 4 sided bevelled

allura®



s62584 | s62582

allura®



PROJECT VINYL

a63431



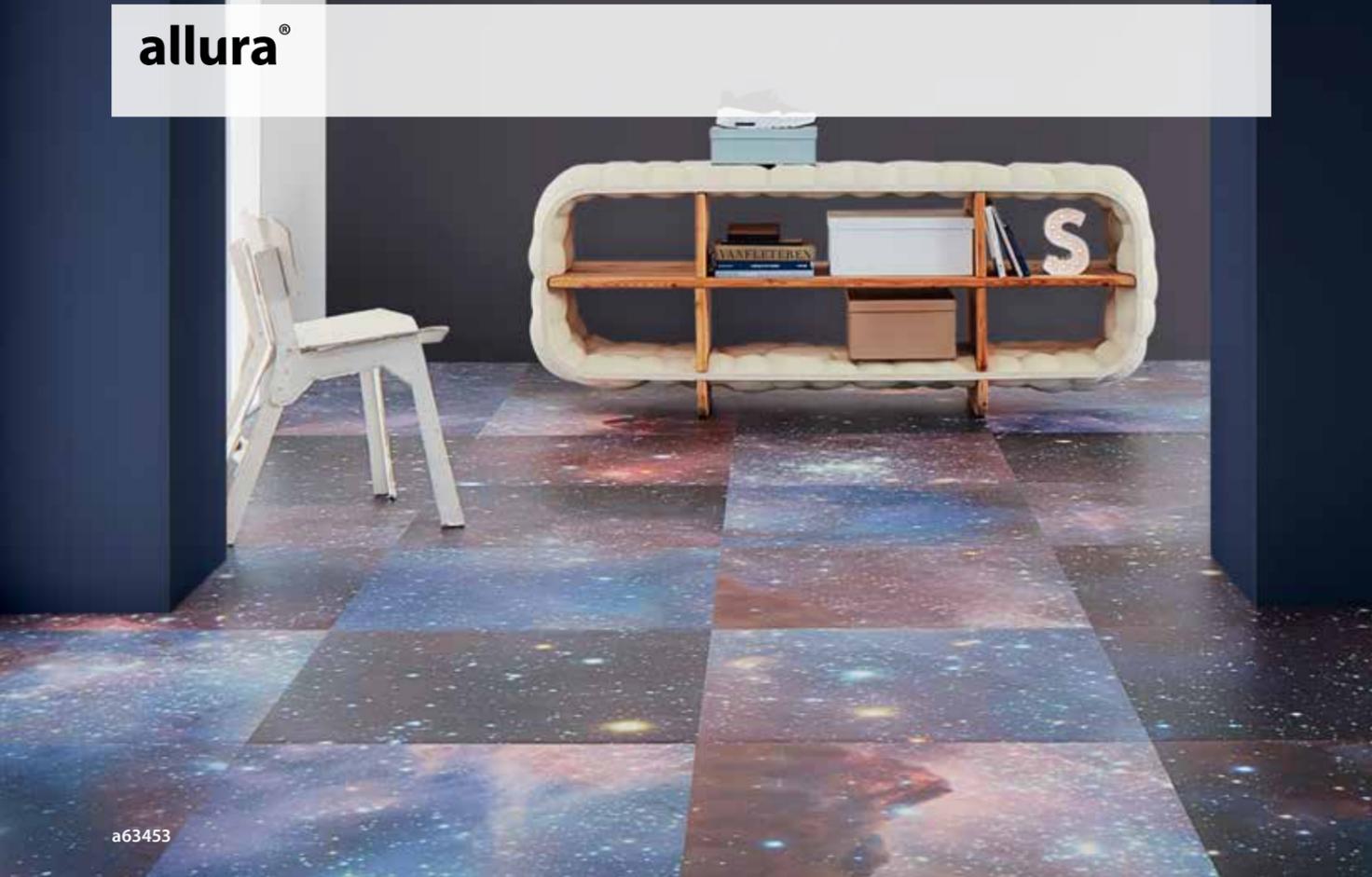
↕ 4 sided bevelled



↕ 4 sided bevelled

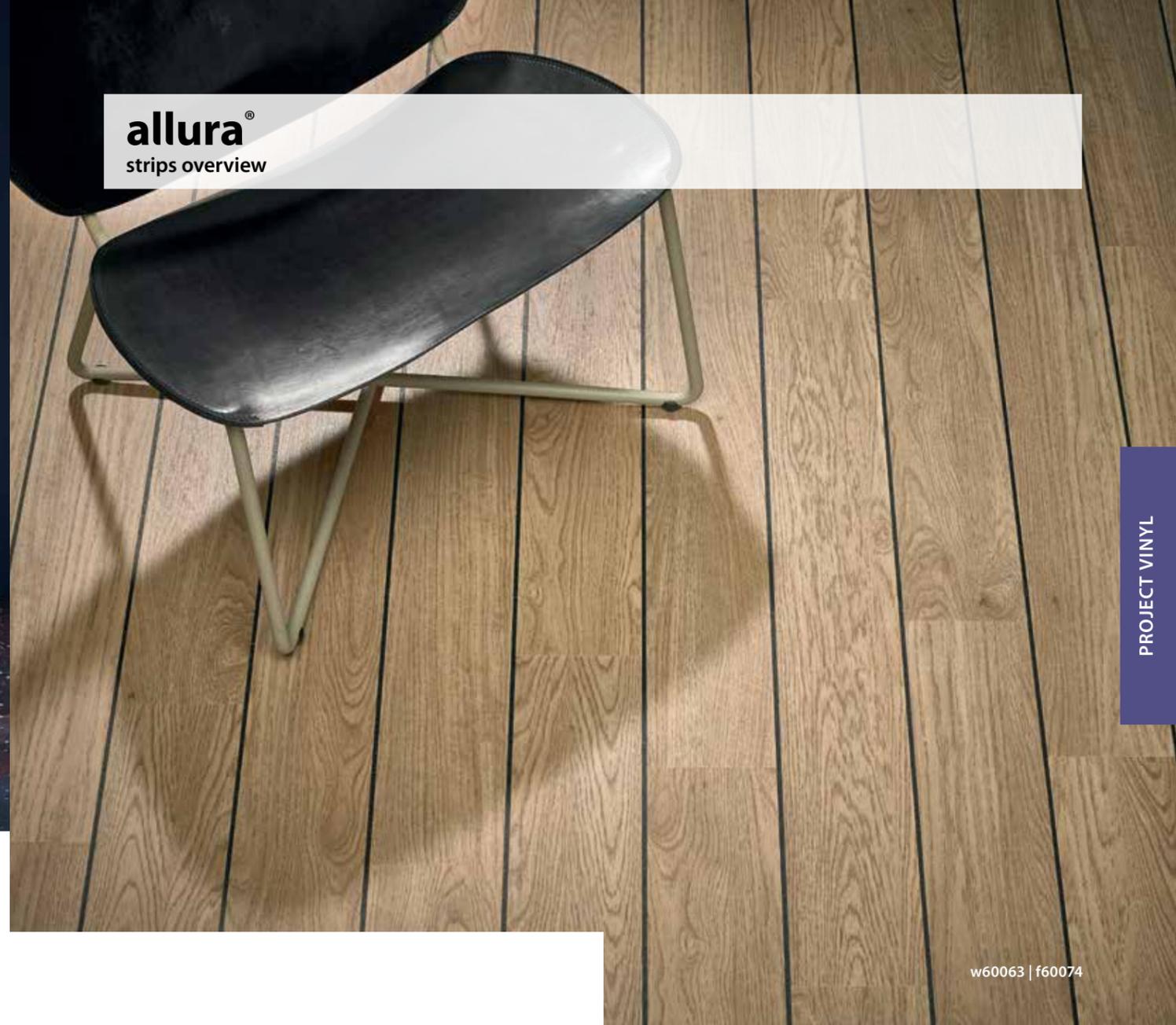
▣ gradient design

allura®



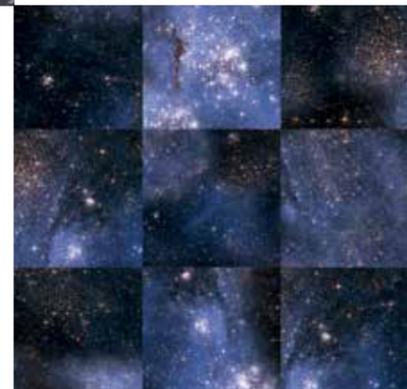
a63453

allura®
strips overview



PROJECT VINYL

w60063 | f60074



space



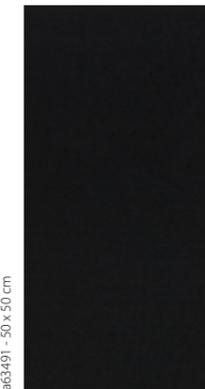
galaxy



fluid



white



black



ochre



ocean



red



admiral

f63491 | white

f63487 | black

f62416 | grigio concrete

f61255 | natural seagrass

f61257 | timber seagrass

f60074 | black rustic oak

f63624 | silver metal brush

Format strips: 100 x 0,5 cm

Allura strips are used to either simulate partitions in certain designs, such as grout lines or accentuate the tile section in f.e. a ship plank design.



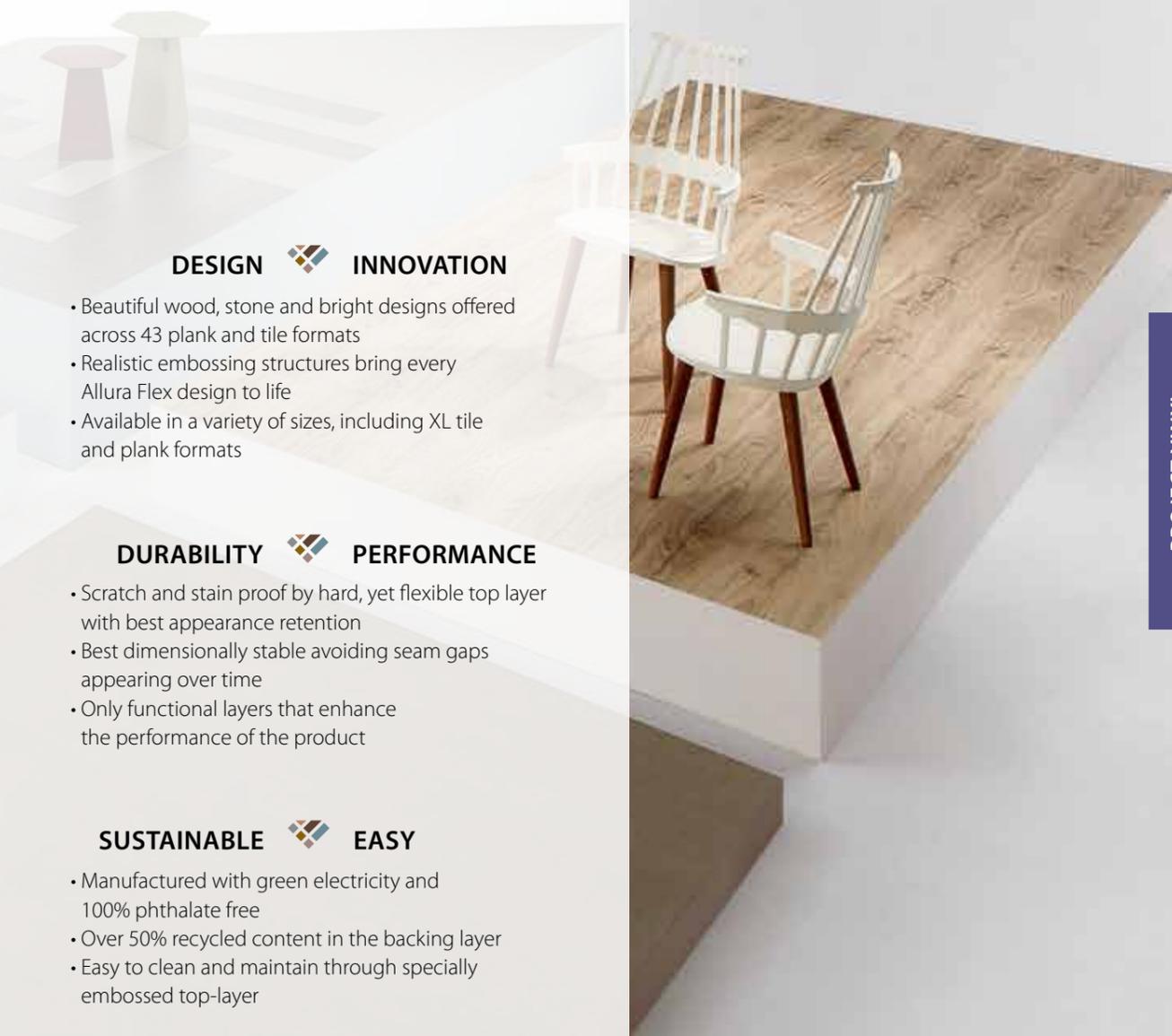
allura flex

Premium loose lay tiles

Allura Flex is a collection of high quality, dimensionally stable, heterogeneous loose lay vinyl tiles and planks which are adhered with tackifier that allows post use removal. The design concept of Allura Flex consists of the most realistic wood designs in the market, but also essential concretes and interesting textile and colour effects. The 43 designs offer a large design freedom; also in larger sizes and the specific Hungarian Point format and are easy to combine. The collection offers something for all commercial floors, also in use alongside carpet tiles because of the 5 mm gauge. Allura Flex has a 1 mm transparent wear layer and proven PUR finish.

The Forbo exclusive combination of functional layers, including a strong glass fleece carrier, makes Allura Flex unprecedented in dimensional stability, strength, performance and quality. Beautiful designs in wood, stone and brights that are easy to install, resulting in stunning and reliable floors.

For increased flexibility, a selection of 34 designs are available in not only loose lay but also fully adhered and click formats.



DESIGN INNOVATION

- Beautiful wood, stone and bright designs offered across 43 plank and tile formats
- Realistic embossing structures bring every Allura Flex design to life
- Available in a variety of sizes, including XL tile and plank formats

DURABILITY PERFORMANCE

- Scratch and stain proof by hard, yet flexible top layer with best appearance retention
- Best dimensionally stable avoiding seam gaps appearing over time
- Only functional layers that enhance the performance of the product

SUSTAINABLE EASY

- Manufactured with green electricity and 100% phthalate free
- Over 50% recycled content in the backing layer
- Easy to clean and maintain through specially embossed top-layer

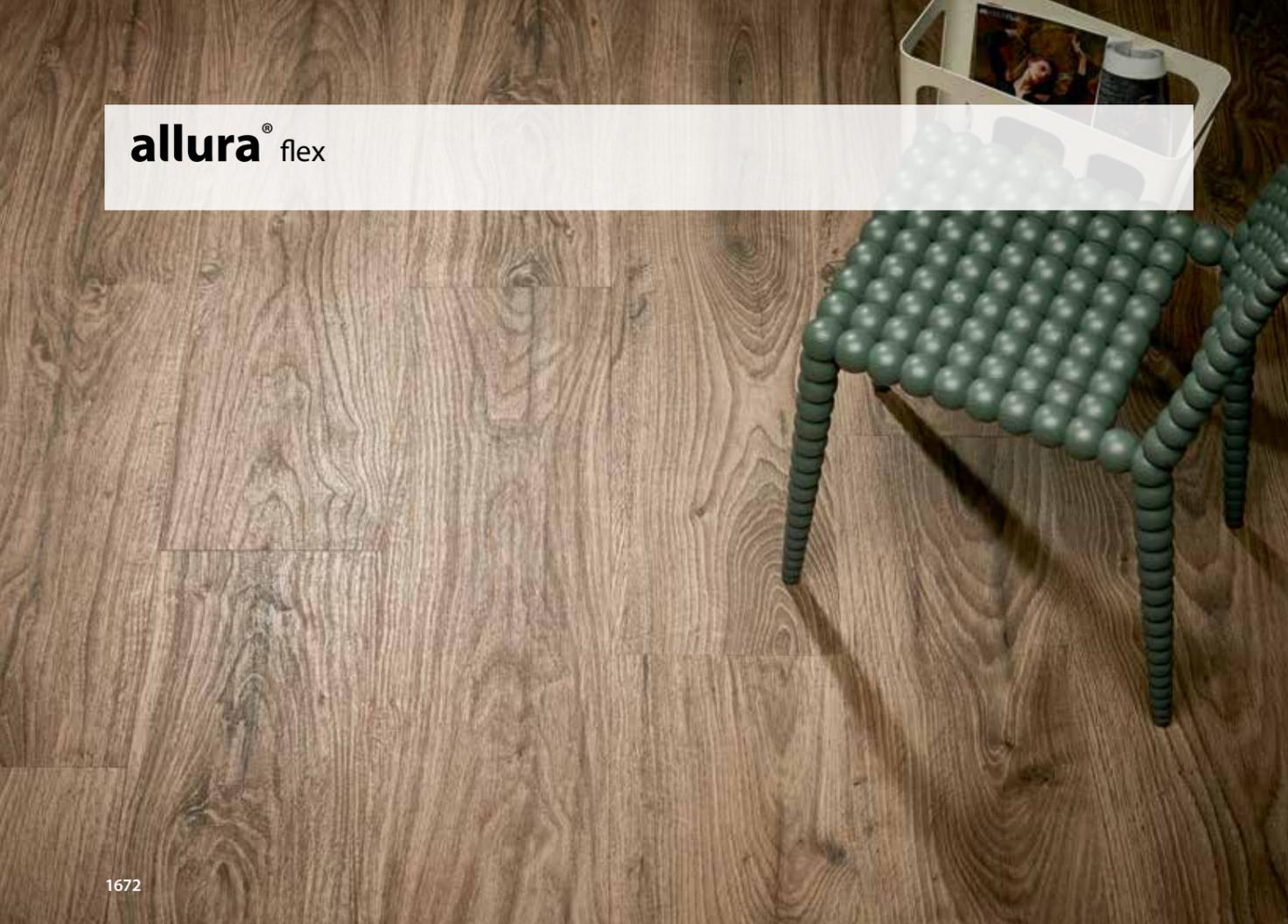


The phthalate free Allura collection is REACH* compliant and produced in Europe with low emission levels.

The excellent dimensional stability ensures safe and hygienic floors as dirt isn't trapped in the seams. Available in natural stress reducing designs and high LRV's, choosing Allura means you are choosing to create better indoor & outdoor environments.

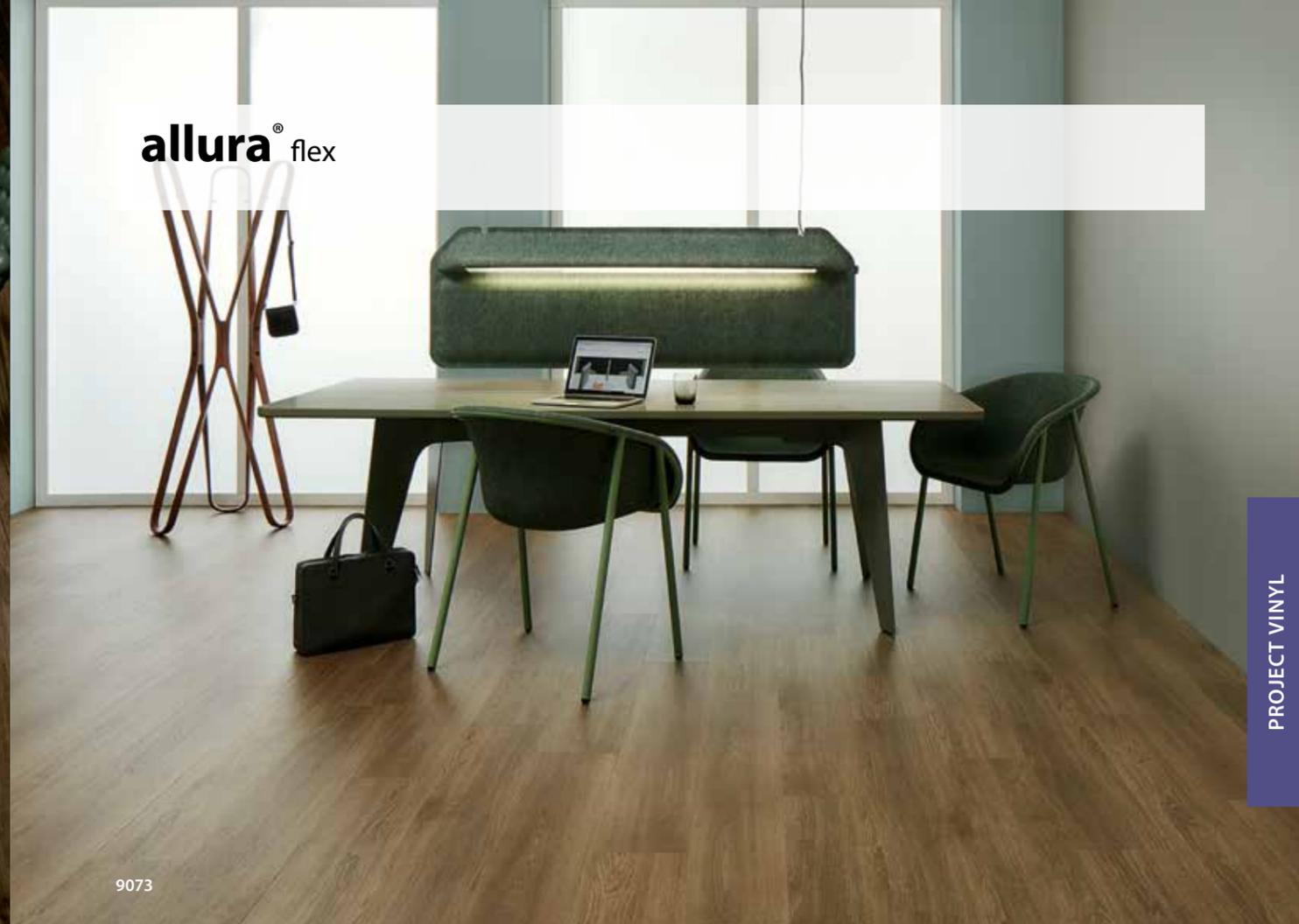
* Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) address the production and use of chemical substances and their potential impacts on both human health and the environment.

allura® flex



1672

allura® flex



9073

PROJECT VINYL



110 Allura Flex * designed with natural colour variation ↕ 2 sided bevelled ↗ 4 sided bevelled ⊕ in register embossing ↗ hungarian point size



Allura Flex 111

allura® flex



1623



natural concrete

1632 | 1626 - 50 x 50 cm | 100 x 100 cm



grigio concrete

1633 | 1623 - 50 x 50 cm | 100 x 100 cm



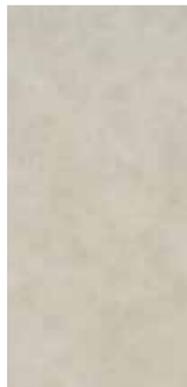
charcoal concrete

1628 | 1624 - 50 x 50 cm | 100 x 100 cm



nero concrete

1634 | 1639 - 50 x 50 cm | 100 x 100 cm



white sand

1508 - 50 x 50 cm



taupe sand

1506 - 50 x 50 cm



cool sand

1656 - 50 x 50 cm



black slate

9004 - 50 x 50 cm

allura® flex



PROJECT VINYL

1506 | 9017



halcyon blue

9013 - 50 x 50 cm



gecko green

9015 - 50 x 50 cm



fox orange

9017 - 50 x 50 cm



lobster red

9011 - 50 x 50 cm



1953



blanco marble

1958 - 75 cm x 50 cm / 1957 - 50 cm x 50 cm



sky marble

1953 - 50 cm x 50 cm



oyster marble

1956 - 75 cm x 50 cm / 1955 - 50 x 50 cm



silt concrete

1942 - 80 cm x 80 cm / 1941 - 50 x 50 cm



natural concrete

1948 - 80 cm x 80 cm / 1947 - 50 x 50 cm



canyon hybrid

1969 - 75 cm x 50 cm



malachite hybrid

1968 - 75 cm x 50 cm



nero marble

1954 - 50 cm x 50 cm



carbon concrete

1945 - 80 x 80 cm / 1944 - 50 x 50 cm



meteor hybrid

1967 - 75 cm x 50 cm



1911 | 1912 | 1915

The inviting realistic Wood designs complement office, retail, leisure and hospitality spaces. Allura Flex 0.55 Wood planks are available in 3 plank sizes: 20 x 100, 20 x 120 and 28 x 150 cm.





With 18 energetic colours Allura Flex Decibel is looking stunning with an impact sound reduction of 19dB. Although it is a much lighter product than conventional loose lay tiles, the innovative double glass fleece construction offers similar speedy installation properties and dimensional stability. Flex Decibel offers a quick installation solution in, for example, busy offices, housing projects and communal and retail spaces.



45132



allura click

Allura Click, Luxury Vinyl Tile

The Allura Click collection consists of 38 elegant designs in wood and stone decors. Realistic plank sizes, natural embossing and true tone colours make every item unique. The Click planks and tiles can be quick and easily installed thanks to our proven and patented click system.

Protected by our exclusive lacquering system it will stand the test of time.

Allura Click is produced in Europe and includes Forbo's unique glass fleece construction for dimensional stability. The click system can be angled down, creating a perfect floor installation. Forbo always emphasizes a proper subfloor preparation as a guarantee that the product can be installed without any requirement for flooring adhesives, resulting in a beautifully finished and functioning floor solution.

DESIGN INNOVATION

- Exclusive wood and stone designs offered in different sizes
- Realistic embossing structures bring every Allura Click design to life
- Bevelled wood planks for enhanced realism

DURABILITY PERFORMANCE

- Embossed lacquering systems ensure lasting appearance retention
- Scratch and stain proof by hard, yet flexible top layer
- Best dimensionally stable avoiding seam gaps appearing over time
- Patented locking systems ensure a strong and lasting connection

SUSTAINABLE EASY

- Manufactured with green electricity and 100% phthalate free
- Recyclable and easy to repair
- Time optimal, quick and easy installation also suitable for mid-size installations
- Easy to clean and maintain through specially embossed top-layer



The phthalate free Allura collection is REACH* compliant and produced in Europe with low emission levels. The excellent dimensional stability ensures safe and hygienic floors as dirt isn't trapped in the seams. Available in natural tranquil and pleasing designs and high LRV's. A choice for Allura means a choice for creating a better quality indoor environment.

* Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) address the production and use of chemical substances and their potential impacts on both human health and the environment.



allura® click

allura® click



PROJECT VINYL

cc60350

cc60284



allura® click



cc60085

allura® click



cc63776

PROJECT VINYL



black pine



grey seagrass



natural seagrass



weathered rustic pine



bleached rustic pine



natural rustic pine



red cherry



classic beech



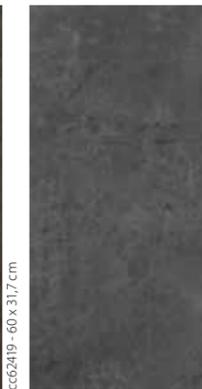
honey elegant oak



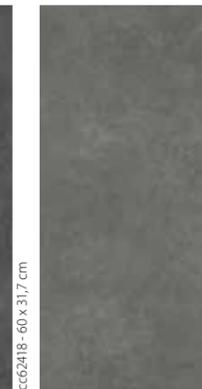
whitewash elegant oak



nero concrete



charcoal concrete



natural concrete



grigio concrete



black slate



graphite weave



silver stream



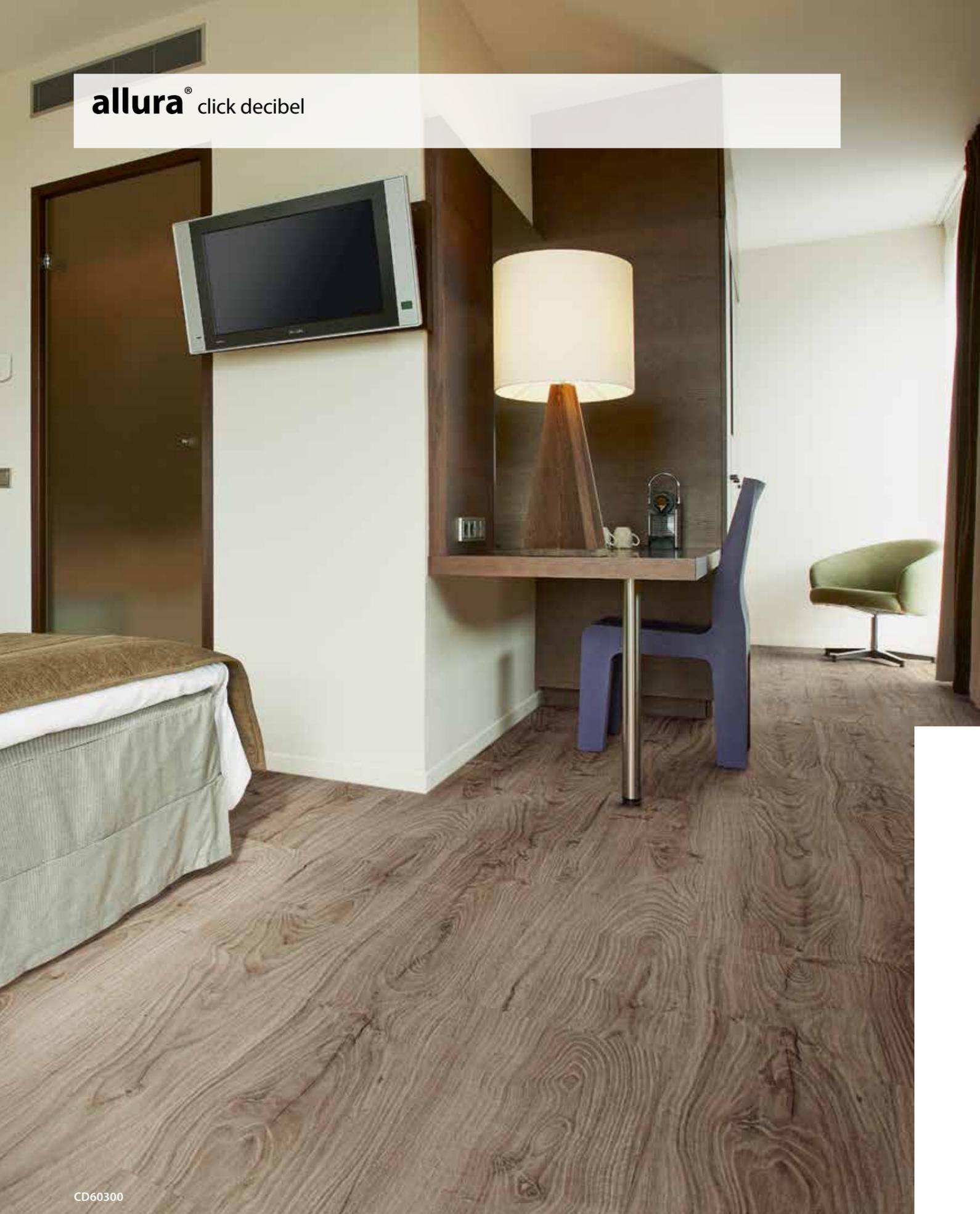
taupe sand



white sand

↕ 4 sided bevelled

⊕ in register embossing



CD60300

Allura Click Decibel is an innovative combination of our regular Allura Luxury Vinyl Tile on top of a stable, noise reducing combination of HDF and Forbo PU underlay.

- LVT that brings acoustical impact noise reduction of 19 dB
- Time saving of 20% thanks to the integrated sub floor
- An economical solution to cover old soils, including asbestos (according to current regulations)
- Ideal thickness in combination with tiles or carpet tiles



↕ 4 sided bevelled ⊕ in register embossing



Magic things happen when our Allura luxury vinyl tiles meet our Step slip-resistant floors. Combining Step Crystals with our most appropriate Allura LVT designs, Allura Safety is the first flooring to combine the looks and performance of LVT with the safety properties of our Step floors.



Whether you are looking for a bright colourful floor, or where you would like to have a natural stone like appearance, Allura colour has the solution. The designs are available in 24 colours, each with a matching chipmix of coloured and transparent particles. Allura colour floors are vibrant and hardwearing, an ideal combination for tough environments that still want to show a difference.



c68019 | c68031 | c68025

Technical specifications: **allura**

		Allura 0.70	Allura 0.55	Flex	Flex 0.55	Click	
	Total thickness	EN-ISO 24346	2.5 mm	2.5 mm	5 mm	4 mm	5 mm
	Wearlayer thickness	EN-ISO 24340	0.70 mm	0.55 mm	1 mm	0.55 mm	0.55 mm
	Collection size		112	112	43	43	38
	Domestic use	EN-ISO 10874	23	23	23	23	23
	Commercial/light industrial use	EN-ISO 10874	34/43	33/42	34/42	33/42	33
	Tile size	EN-ISO 24342	50 x 50 cm / 75 x 25 cm / 75 x 50 cm / 75 x 75 cm / 100 x 100 cm	50 x 50 cm / 75 x 25 cm / 75 x 50 cm / 100 x 100 cm	50 x 50 cm / 100 x 100 cm	50 x 50 cm / 100 x 100 cm	60 x 31.7 cm
	Plank size	EN-ISO 24342	50 x 15 cm / 100 x 15 cm / 120 x 20 cm / 150 x 28 cm / 180 x 32 cm / HP 90 x 15 cm	50 x 15 cm / 100 x 15 cm / 120 x 20 cm / 150 x 28 cm / 180 x 32 cm / HP 90 x 15 cm	100 x 20 cm / 120 x 20 cm / 150 x 28 cm / HP 120 x 20 cm	100 x 20 cm / 120 x 20 cm / 150 x 28 cm / HP 120 x 20 cm	121.2 x 18.7 cm / 150.5 x 23.7 cm
	Packaging per carton tiles		3 m ² (12 pcs) / 4.5 m ² (24 pcs) / 3.75 m ² (10 pcs) / 0.56 m ² (1 pce) / 1 m ² (1 pce)	3 m ² (12 pcs) / 4.5 m ² (24 pcs) / 3.75 m ² (10 pcs) / 0.56 m ² (1 pce) / 1 m ² (1 pce)	2.5 m ² (10 pcs) / 1 m ² (1 pce)	2.5 m ² (10 pcs) / 1 m ² (1 pce)	1.90 m ² (10 pcs)
	Packaging per carton planks		3 m ² (40 pcs) / 3 m ² (20 pcs) / 2.88 m ² (12 pcs) / 4.2 m ² (10 pcs) / 4.6 m ² (8 pcs) / 4.5 m ² (40 pcs)	3 m ² (40 pcs) / 3 m ² (20 pcs) / 2.88 m ² (12 pcs) / 4.2 m ² (10 pcs) / 4.6 m ² (8 pcs) / 4.5 m ² (40 pcs)	2 m ² (10 pcs) / 2.4 m ² (10 pcs) / 2.52 m ² (6 pcs) / 2.4 m ² (12 pcs)	2 m ² (10 pcs) / 2.4 m ² (10 pcs) / 2.52 m ² (6 pcs) / 2.4 m ² (12 pcs)	1.81 m ² (8 pcs) / 2.14 m ² (6 pcs)
	Squariness and straightness	EN-ISO 24342	< 400 mm < 0.25 mm > 400 mm < 0.35 mm	< 400 mm < 0.25 mm > 400 mm < 0.35 mm	< 400 mm < 0.25 mm > 400 mm < 0.35 mm	< 400 mm < 0.25 mm > 400 mm < 0.35 mm	< 400 mm < 0.25 mm > 400 mm < 0.35 mm
	Total weight	ISO 23997	ca 3600 g/m ²	ca 3400 g/m ²	ca 6550 g/m ²	ca 5200 g/m ²	8300 gr/m ²
	Wearlayer binder content	EN-ISO 10582	Type 1	Type 1	Class T	Class T	Type 1
	Slip resistance	DIN 51130	R10	R10	R10	R10	R10
	Acoustical impact noise reduction	EN ISO 717-2	6 dB	6 dB	14 dB	14 dB	7 dB / 15 dB in combination with Forbo underlay
	Castor chair continuous use	ISO 4918	Superior	Very good	Superior	Very good	Good with and without Forbo underlay
	Residual indentation Typical value	ISO 24343-1	≤ 0.10 mm ~ 0.04 mm	≤ 0.10 mm ~ 0.04 mm	≤ 0.20 mm ~ 0.11 mm	≤ 0.10 mm ~ 0.04 mm	≤ 0.10 mm ~ 0.05 mm
	Light fastness	ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
	VOC emissions	ISO 16000-9	≤ 100 µg/m ³	≤ 100 µg/m ³	≤ 110 µg/m ³	≤ 110 µg/m ³	≤ 160 µg/m ³
	Resistance to chemicals	EN-ISO 26987	Very good	Very good	Very good	Very good	Very good
	Dimension stability (after exp. to heat)	EN-ISO 23999	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%
	Allura meets the requirements of EN 14041		EN 14041 CE 0200130-DoP-306	EN 14041 CE 0200130-DoP-306	EN 14041 CE 0200131-DoP-507	EN 14041 CE 0200131-DoP-507	EN 14041 CE 0200132-DoP-701
	Reaction to fire	EN 13501	B _s -s1	B _s -s1	B _s -s1	B _s -s1	B _s -s1 with and without Forbo underlay
	Slip resistance	EN 13893	DS - µ > 0.30	DS - µ > 0.30	DS - µ > 0.30	DS - µ > 0.30	DS - µ > 0.30
	Thermal conductivity	EN 12524	0.25 W/mK	0.25 W/mK	0.25 W/mK	0.25 W/mK	0.25 W/mK
	Body voltage	EN 1815	< 2 kV	< 2 kV	< 2 kV	< 2 kV	< 2 kV

Technical specifications: **allura**

		Allura Click Decibel	Allura Flex Decibel	Allura Safety	Allura Colour	
	Total thickness	EN-ISO 24346	10 mm	3.45 mm	2.5 mm	2 mm
	Wearlayer thickness	EN-ISO 24340	0.55 mm	0.65 mm	0.7 mm	1 mm
	Collection size		9	18	16	24
	Residential use	EN-ISO 10874	23	-	-	-
	Commercial use	EN-ISO 10874	33	33	34	34
	Light industrial use	EN-ISO 10874	-	42	43	43
	Tile size	EN-ISO 24342	60 x 31.7 cm	50 x 50 cm	48 x 48 cm	61 x 61 cm
	Plank size	EN-ISO 24342	121.2 x 18.7 cm / 150.5 x 23.7 cm	20 x 100 cm	-	-
	Total weight	ISO 23779	ca 9800 g/m ²	ca 2800 g/m ²	ca 3600 g/m ²	ca 3100 g/m ²
	Slip resistance	DIN 51130	R10	R9	R10	R9
	Acoustical impact noise reduction	EN ISO 717-2	19 dB	19 dB	6 dB	14 dB
	Castor chair continuous use	ISO 4918	Very good	Very good	Superior	Very good
	Residual indentation	ISO 24343-1	≤ 0.05 mm	≤ 0.12 mm	≤ 0.04 mm	≤ 0.04 mm
	Light fastness	ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6
	Resistance to chemicals	EN-ISO 26987	Very good	Very good	Very good	Excellent
	Dimensional stability	EN-ISO 23999	≤ 0.05%	≤ 0.10%	≤ 0.05%	≤ 0.05%
	Allura meets the requirements of EN 14041		EN 14041 CE 0200140-DoP-503	EN 14041 CE 0200935-DoP-410	EN 14041 CE 0200102_DOP_411	EN 14041 CE 0200130_DOP_306
	Reaction to fire	EN 13501	B _s -s1	C _s -s1	B _s -s1	B _s -s1
	Slip resistance	EN 13893	DS - µ > 0.30	DS - µ > 0.30	DS - µ > 0.30	DS - µ > 0.30
	Thermal conductivity	EN 12524	-	0.25 W/mK	0.25 W/mK	0.25 W/mK
	Body voltage	EN 1815	-	< 2 kV	< 2 kV	< 2 kV

SPHERA HOMOGENEOUS VINYL

Forbo Sphera is setting new standards in homogeneous vinyl flooring. It is produced in our brand new manufacturing plant where all the latest insights and technology have been used to create smart and innovative solutions. The result: a premium homogeneous vinyl floor covering!

Our Sphera flooring adds character and style to floors across numerous applications. Whether in demanding, hygienic healthcare environments, in flexible, multi-purpose modern public buildings or in education facilities and offices where durability and colour are key.

Design & colour

- A new technology delivers bright and saturated hues, resulting in striking colourtones, many with high light reflection values (LRV)
- Sphera offers a balanced palette of 62 colours that coordinates well with other Forbo floor coverings like Marmoleum and textile flooring.

Technology & sustainability

- State of the art steel-belt press and thermofix technology provide consistent quality
- Green energy and zero waste technology ensure efficient and sustainable manufacturing
- Sphera can contribute to a healthy indoor environment by phthalate free manufacturing & low emissions

Performance & durability

- A unique embossing process following lacquer application delivers durable performance
- In-line coating and subsequent embossing process provides superior appearance
- The evenly distributed top-layer provides superior all over protection
- The SMART-top surface finish ensures that Sphera has a high resistance to chemicals, scratches and stains
- Sphera achieves the highest abrasion wear rating group T tested to EN660-2

Forbo's homogeneous flooring **technology**



Uniquely embossed surface for optimal performance



SMART top
Resists stains and scratches



High LRV's and bright, saturated hues



Low emitting and 100% phthalate free



Produced in a zero waste environment

sphera element



Forbo Sphera is setting new standards in homogeneous vinyl flooring because of its design, technology and performance. Sphera Element offers a 62 fresh, light and contemporary colour palette which adds a sophistication to floor design. The collection includes warm and cool neutrals which complement interior finishes such as wood and stone along with pastels and bright accent colours for areas requiring way-finding or zoning.

50002 white neutral grey	50007 grey sky	50012 mist	50017 ivory	50022 shell	50027 fog
50003 light neutral grey	50008 silver grey	50013 smog	50018 mortar	50023 sand	50028 greige
50004 mid neutral grey	50009 lead	50014 smoke	50019 clay	50024 stone	50029 taupe
50005 dark neutral grey	50010 iron	50015 basalt	50020 silt	50025 earth	50030 moleskin
50006 anthracite	50011 steel	50016 ash	50021 truffle	50026 mud	50031 coal

50018 | 50025

sphera element



50045 | 50000

50032 soft lilac	50036 water	50043 cloud	50000 white	50047 pale green	50051 butter
50033 dimgray	50037 china blue	50040 azure	50044 turquoise	50048 pistachio	50052 custard
50034 amethyst	50038 blueberry	50041 pacific	50045 jade	50049 yellow green	50053 sun
50035 purple heart	50039 navy	50042 cerulean	50046 teal	50050 olive	50054 amber
50058 carmine	50061 saddle brown	50060 terra	50056 cedar	50059 sahara	50055 powder
50057 tangerine	50001 black				

sphera energetic



50238 | 51211



Sphera homogeneous vinyl floor coverings add character and style to floors across numerous applications. Sphera Energetic has the thrilling sensation of crossing design boundaries, making homogeneous vinyl look different. Energetic offers an intricate pallet of semi plain and larger particle-mix colours. Transparent granules provide for depth and dirt hiding properties. Sphera Energetic is playful and designed to combine with corresponding visuals with vivid highlights. The palette contains 41 solid colours and 11 matching colours with vivid accent chips.



PROJECT VINYL



Technical specifications: **sphera**

Sphera element and energetic meets the requirements of EN-ISO 10582

		element	energetic
	Binder content	EN-ISO 10581	type 1
	Total thickness	EN-ISO 24346	2.0 mm
	Surface finish		SMART top
	Collection size		62
	Commercial use	EN-ISO 10874	34 very heavy
	Industrial use	EN-ISO 10874	43 heavy
	Roll width	EN-ISO 24341	2 m
	Roll length	EN-ISO 24341	± 25 m
	Total weight	EN-ISO 23997	2.9 kg/m ²
	Dimensional stability	EN-ISO 23999	< 0.2 %
	Residual indentation	EN-ISO 24343-1	≤ 0.10 mm, typical value ~ 0.03
	Abrasion resistance	EN 660-2	group T
	Castor chair continuous use	ISO 4918 / EN 425	pass
	Light fastness	ISO 105-B02	≥ 6
	Flexibility	EN-ISO 24344	ø 10 mm
	Resistance to chemicals	EN-ISO 26987	very good
	Slip resistance	DIN 51130	R10
	Wetroom application		yes
	Application on underfloor heating		yes
	TVOC after 28 days	ISO 16000-6	≤ 10 µg/m ³
			EN 14041
			CE
			0200103-DoP-605
			EN 14041
			CE
			0200103-DoP-605
	Reaction to fire	EN 13501-1	B _s -s1
	Slip resistance	EN 13893	DS - µ ≥ 0.30
	Body voltage	EN 1815	≤ 2 kV
	Thermal conductivity	EN 12524	0.25 W/m-K

ETERNAL DESIGN VINYL SHEET

The Eternal collection presents an advanced range of natural wood, stone, textile and colour designs along with some exclusive digitally printed visuals. Eternal is a high tech heterogeneous compact sheet vinyl that fits all general purpose needs in various segments. It is produced with the latest technology containing up to 50% recycled content and is phthalate free.

Product construction

Eternal is created around a nonwoven, fully impregnated, glass fleece core which provides dimensional stability and allows a lean-development approach, resulting in a sustainable compact, high tech base. Adding to stability and determining the high quality standard of Eternal project vinyl is the optimized calandered backing; a firm yet flexible layer to allow easy installation, even when coving is required or in wetroom applications. The unique and innovative embossed wear layer ensures maximum wear resistance and provides optimal appearance retention. The backing layer of the construction, contains up to 50% re-used content.

Authenticity

All of the Eternal designs are true originals, created by an in-house team of expert designers who translate the latest trends in classic, contemporary as well as modern and advanced flooring designs that cannot be distinguished from their original material expressions, like wooden and concrete floors.

PUR Pearl and PUR Wood Pearl

For the majority of our designs Forbo uses its proven PUR Pearl lacquering protection technique. The application technique for the lacquering layer assures an even amount of lacquering both on top and in the deeper areas of the embossing. It prevents the surface collecting dirt and is the best guarantee for quality and gloss consistency that ensures low maintenance costs.

New in this collection are 8 items that are introduced with a specific PUR Wood embossing, offering the best possible performance on an allover wood grain design with integrated Pearl effect. The mat embossed lacquer layer ensures the highest level of both chemical- and scuff resistance.

Phthalate free

All Eternal collections are created with the highest environmental stands in mind using the best qualified virgin materials as well as controlled recycled content creating a closed loop production. In addition all items in the Eternal range are phthalate free.



11632



12802 | elegant oak



11962 | limed oak



13972 | natural colourful oak



11632 | light oak



12832 | natural oak



11912 | whitewashed oak



11442 | washed beech



11542 | traditional oak



11162 | tropical beech



10362 | warm chestnut



11032 | brushed timber



11952 | steamed oak



11212 | natural pine



11642 | cerusé oak



13402 | aged oak



10232 | dark walnut



11042 | real timber



11222 | white pine



13982 | blue colourful oak



13112 | white painted wood



11652 | vintage oak



11232 | stone pine



10982 | original patchwood



10972 | grey-blue patchwood



13412 | shadow oak



13122 | grey painted wood



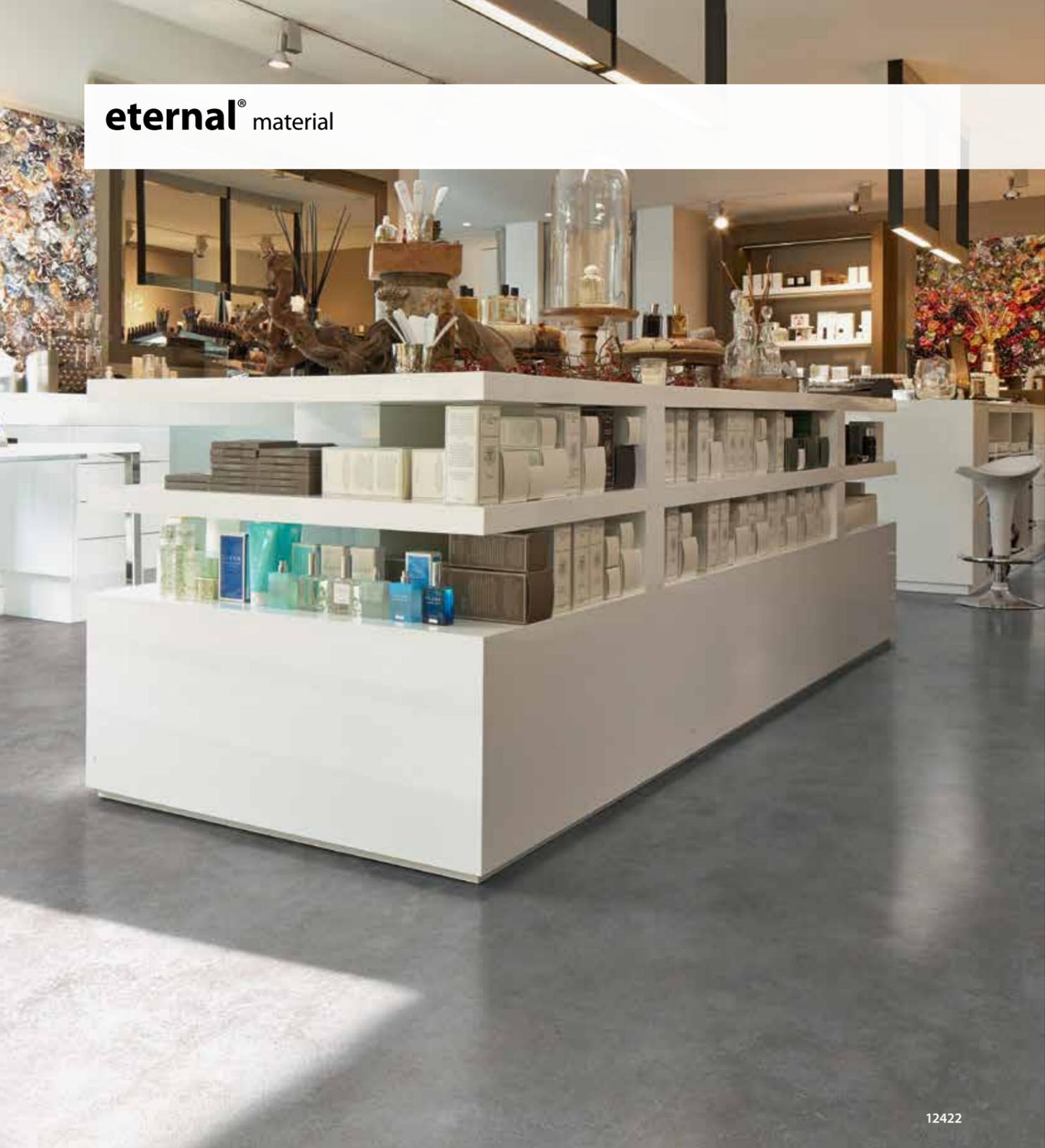
11052 | smoked timber



10962 | coal patchwood



13422 | black oak



12422



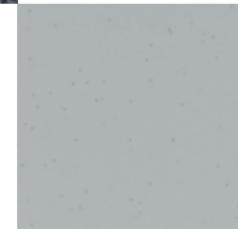
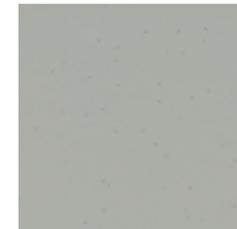
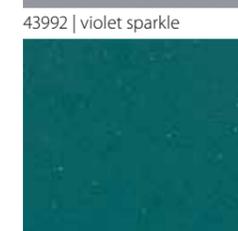
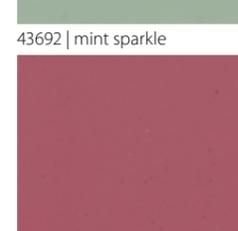
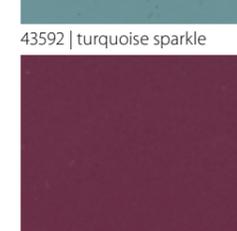
12932 | grey woven 12942 | indigo woven 13762 | brushed bronze 13712 | brushed chrome 13772 | brushed aluminium



10032 | fossil stucco 10022 | loam stucco 10042 | graphite stucco 10012 | pebble stucco
 12252 | white stone 12042 | granite stone 12092 | neutral stone 12012 | quartz stone 12032 | coal stone
 42322 | smoke slate 42632 | concrete slate 42252 | mercury slate 42292 | charcoal slate 12622 | sisal textile
 11342 | frost stripe 11392 | silver stripe 11372 | bamboo stripe 11382 | anthracite stripe 12612 | linen textile
 41002 | snow contrast 41322 | smoke contrast 41252 | mercury contrast 41292 | charcoal contrast 12432 | light textured concrete
 13002 | silver concrete 40322 | smoke palette 40542 | earth palette 40252 | mercury palette 40292 | charcoal palette
 12442 | warm textured concrete 13022 | beton concrete 12422 | grey textured concrete 13082 | gravel concrete 13032 | anthracite concrete



44852

				
43002 fog sparkle	43132 tender sparkle	43212 mouse sparkle	43812 taupe sparkle	43382 carbon sparkle
				
43482 dragon sparkle	43432 espresso sparkle	43292 charcoal sparkle	43992 violet sparkle	43172 cream sparkle
				
43692 mint sparkle	43702 jungle sparkle	43592 turquoise sparkle	43982 petrol sparkle	43742 honey sparkle
				
43722 bubblegum sparkle	43492 red sparkle	43602 plum sparkle	43952 eggplant sparkle	43232 night sparkle
				
44832 grey-black shaded space	44862 eggplant-violet gradient		44852 violet-mint gradient	
				
44822 black-white shaded space	44842 mint-turquoise gradient		44872 turquoise-eggplant gradient	
				
44752 rainbow				

PROJECT VINYL



All items in our Eternal general purpose vinyl range, except for Eternal digital print, can be made in a contact-acoustic reducing variant that realizes 17dB sound reduction. The minimum order quantity for Eternal Decibel is 4400 m².

Eternal meets the requirements of EN-ISO 10582

	Total thickness	EN-ISO 24346	2.0 mm
	Wear layer thickness	EN-ISO 24340	0.7 mm
	Collection size		96
	Commercial use	EN-ISO 10874	34 very heavy
	Industrial use	EN-ISO 10874	43 heavy
	Roll width	EN-ISO 24341	2 m
	Roll length	EN-ISO 24341	± 25 m
	Total weight	EN-ISO 23997	2.8 kg/m ²
	Dimensional stability	EN-ISO 23999	< 0.1 %
	Residual indentation	EN-ISO 24343-1	≤ 0.05, typical value 0.03
	Abrasion resistance	EN 660-2	group T
	Castor chair continuous use	ISO 4918 / EN 425	no effect
	Light fastness	ISO 105-B02	≥ 6
	Flexibility	EN-ISO 24344	ø 10 mm
	Resistance to chemicals	EN-ISO 26987	very good
	Slip resistance	DIN 51130	R10
	Electrical resistance	EN 1081	R1 > 1·10 ⁹ Ω
	Water tight installation	EN 13553	Yes

EN 14041



0200105-DoP-306

All Eternal products meet the requirements of EN 14041

	Reaction to fire	EN 13501-1	B ₁ -s1
	Slip resistance	EN 13893	DS - μ ≥ 0.30
	Body voltage	EN 1815	≤ 2 kV
	Thermal conductivity	EN 12524	0.25 W/m-K



Digitally printed vinyl

Our design vinyl sheet collection contains a series of digitally printed flooring designs which offer a new dimension in colour and design whilst retaining the full performance specification of the Eternal core collection. This includes a 0.7mm wear layer that ensures maximum wear resistance and excellent appearance retention.

Our advanced digital printing technology has provided our design team with the tools to develop striking visuals that cannot be achieved with conventional print techniques: subtle colour gradients that run along the full length of a roll, a rainbow cascade of colours with no pattern repeat over a 10 metre length, or spectacular geodes of polished gemstones that are available in a custom scaling. In addition to the digital print designs in the core Eternal collection, we also offer bespoke, tailored flooring designs from as little as 12m². So whether you are designing a meeting room, retail interior or creating a spectacular atrium in a school or public building.



RAINBOW

The Eternal Rainbow design reveals a spectrum of colour gradients over a 10 metre length enabling a rolling cascade of rainbow hues as the first colour follows the last without any break in the pattern. This scale of pattern repeat is only achievable through digital printing technology. Eternal Rainbow is available in 1.95 metre wide rolls and the width can easily be extended to suit wider areas.



11912 | 44752



From Geodes that offer giant 'gemstones' to a 'Petrified Bark' effect that will form a centerpiece in any interior space, this collection brings nature to the floor in a scale not seen before. As each design can be scaled in size, Magnified Nature is ideal for those looking to create an eye catching feature on the floor. The Eternal Magnified Nature designs are supplied as an inset piece which can be inserted into any of the Eternal colourways in the collection. For bespoke flooring projects, the Magnified Nature designs can also be rescaled to fit the required floor.

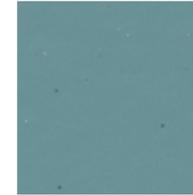
Suggested floors to combine with:



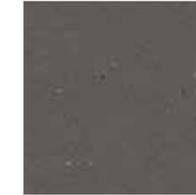
43982 | petrol sparkle



43232 | night sparkle



43592 | turquoise sparkle



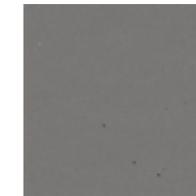
43482 | dragon sparkle



44912 | colourful geode
43982 | petrol sparkle



43132 | tender sparkle



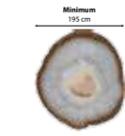
43812 | taupe sparkle



40322 | smoke palette



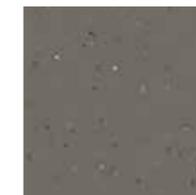
43212 | mouse sparkle



44922 | natural geode
43002 | fog sparkle



43002 | fog sparkle



40542 | earth palette



43432 | espresso sparkle



43992 | violet sparkle



44932 | petrified bark
43002 | fog sparkle

STEP SAFETY FLOORING



PROJECT VINYL



BY CHOOSING A FORBO SAFETY FLOOR THE NUMBER OF ACCIDENTS CAUSED BY SLIPPING CAN BE REDUCED SIGNIFICANTLY.

Forbo's Step safety vinyl floors have guaranteed life time slip resistant performance and also offer unique solutions for wetroom applications, providing the best 'bare foot', as well as 'bare foot / footwear' non slip solutions. The collection comprises various subranges each with it's own properties, offering a solution for any area that requires a safety floor.

New & unique in the Step range are the slip resistant "Step Crystals", that provide security and contribute to a clean and fresh design, with proven easier cleaning. Step offers the widest range in design in safety flooring, without compromising performance.

Safety. Design. Confidence.

Our Step safety vinyl collection is unique in many ways. It's a durable floor covering combining outstanding slip resistance (up to R12) with a wide range of design possibilities. The PUR Pearl surface provides superior, long-lasting appearance and performance.

The collection is divided in 3 ranges:

Surestep (R10), Safestep (R11, R12) and Wetroom floors

Surestep

All Surestep floors provide R10 slip resistance, are non-slip particle enhanced and can be applied in all types of general walking areas where an increased slip

risk may occur. Typical areas are high traffic areas like corridors, ramps, coffee corners, washrooms, toilet, crafts class rooms and public rooms.

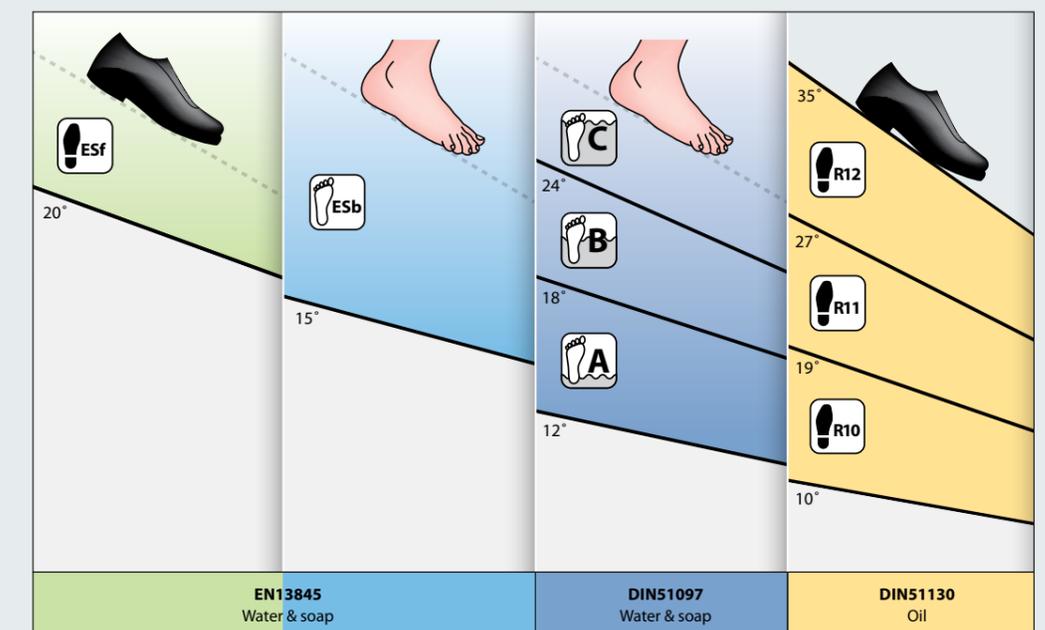
Safestep

Safestep floors are applicable in areas where a higher slip risk is identified when incidental, accidental or continuous active contamination of the floor occurs. In these areas it is simply not possible to prevent spillage, due to the type of work environment. Typical areas are: professional kitchens, light industrial food production, florist shops, garden centres.

Wetroom (Surestep Laguna, Safestep Aqua)

Wetroom floor coverings are developed for use in continuously wet areas, where water flows frequently and barefoot traffic is the standard, or a combination of barefoot and footwear traffic occurs. Typical areas are; shower rooms, spa/pool surroundings, changing rooms, locker rooms.

ANTISLIPVALUES



All Step floors

Surestep Laguna Safestep Aqua

Surestep Laguna Safestep Aqua

Alle Surestep R10 Safestep R11 + R12 Safestep Aqua

surestep original



All Surestep floors provide R10 slip resistance, are non-slip particle enhanced and can be applied in all types of general walking areas where an increased slip risk may occur. Typical areas are high traffic areas like corridors, ramps, coffee corners, washrooms, toilet, crafts class rooms and public rooms.

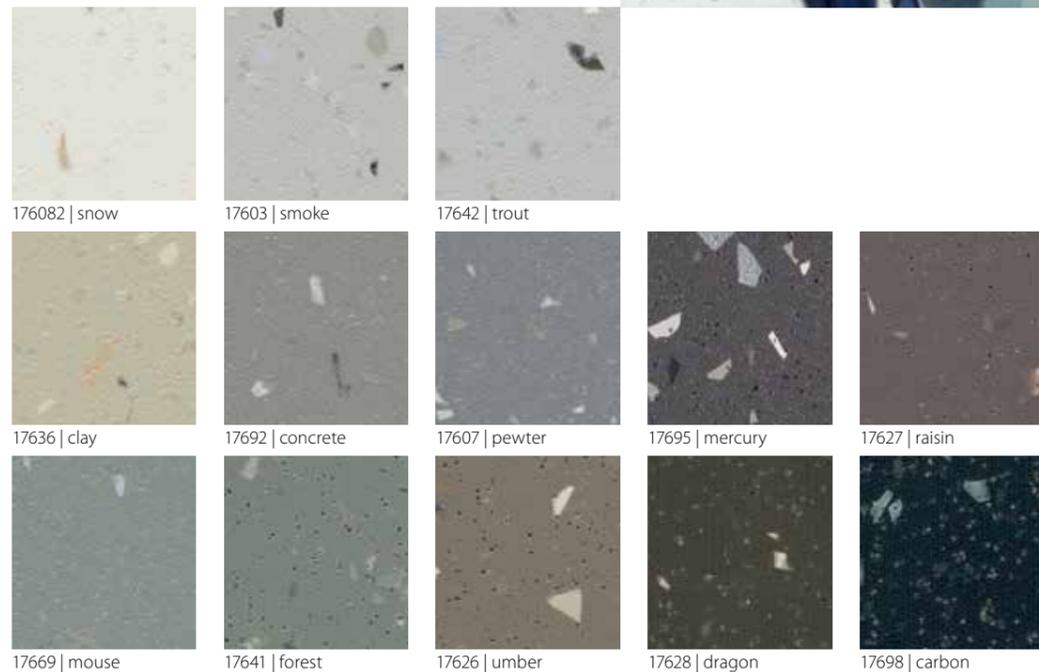


PROJECT VINYL

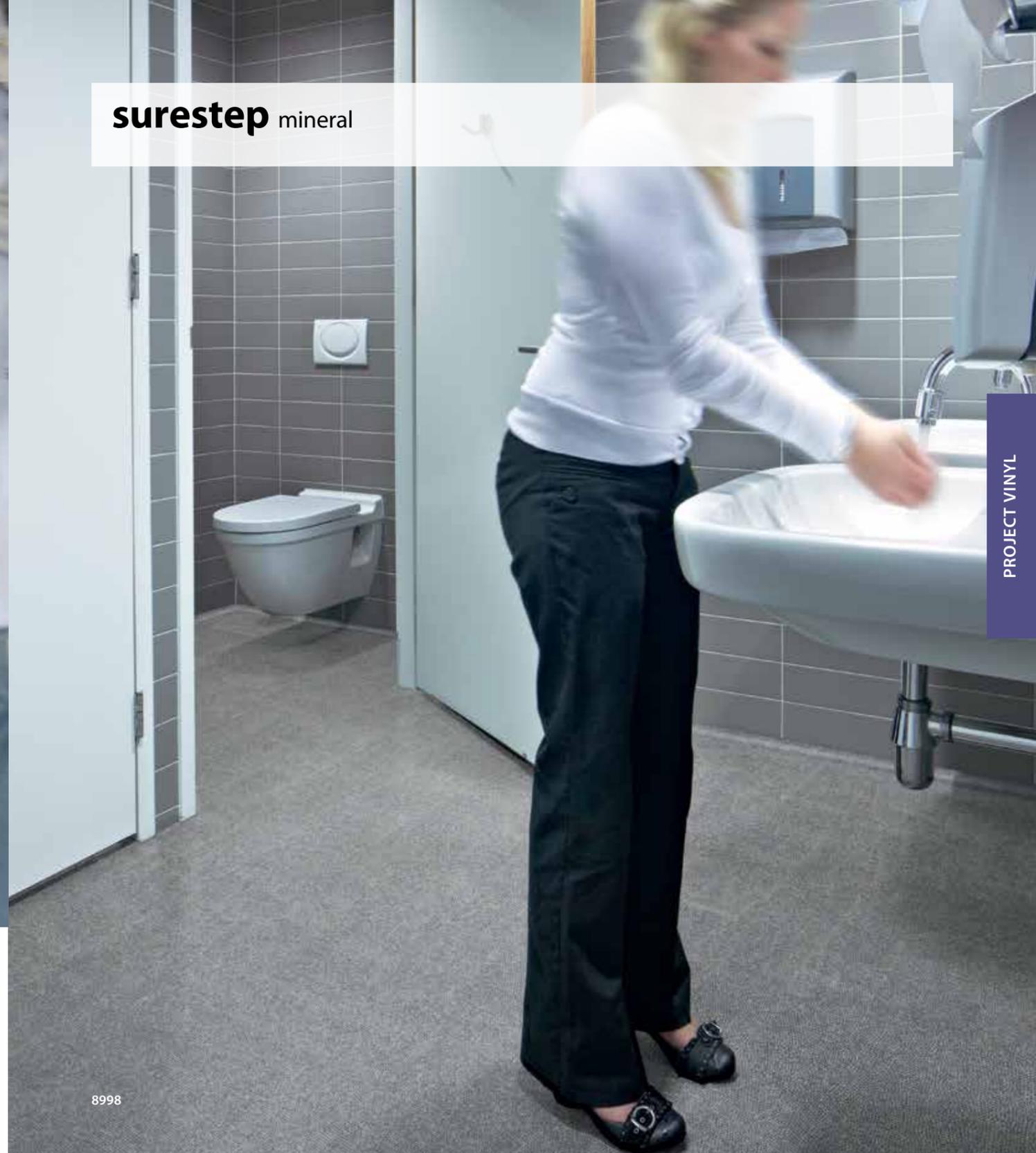
surestep star



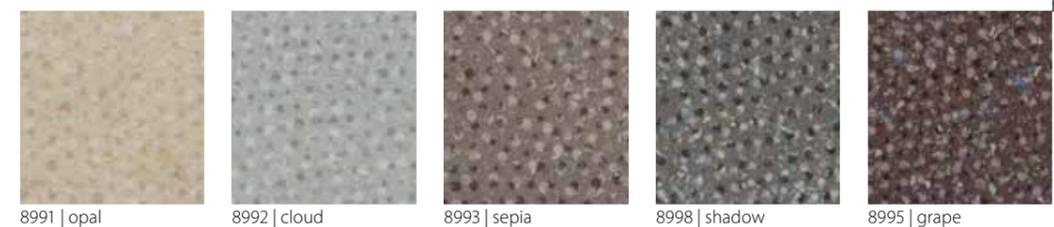
176082



surestep mineral



8998



PROJECT VINYL

surestep texture



PROJECT VINYL

8901



8902 | cotton



8909 | indigo



8903 | linnen



8901 | leather



8908 | felt

surestep wood



18942

surestep stone

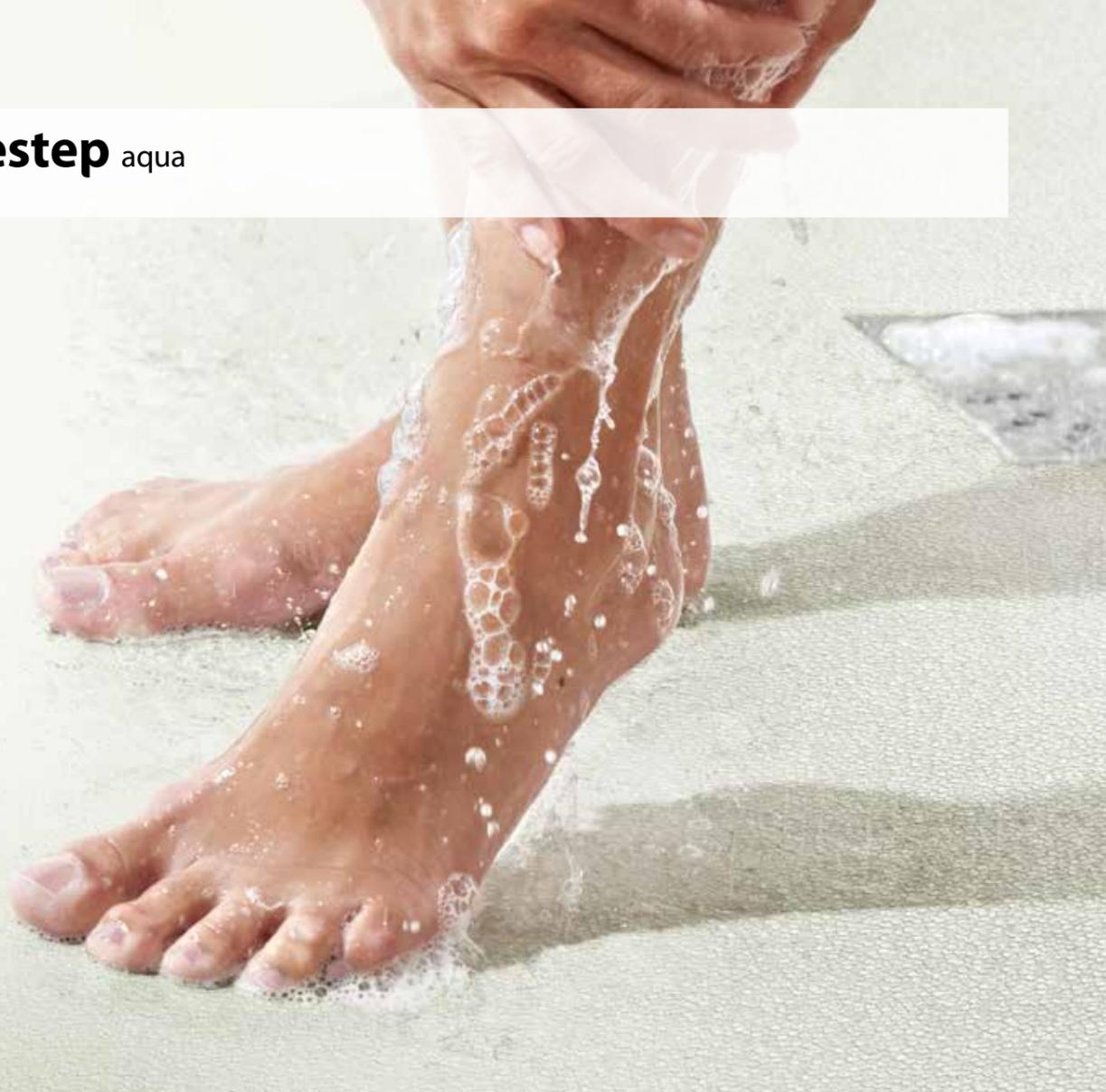


17112

PROJECT VINYL



safestep aqua



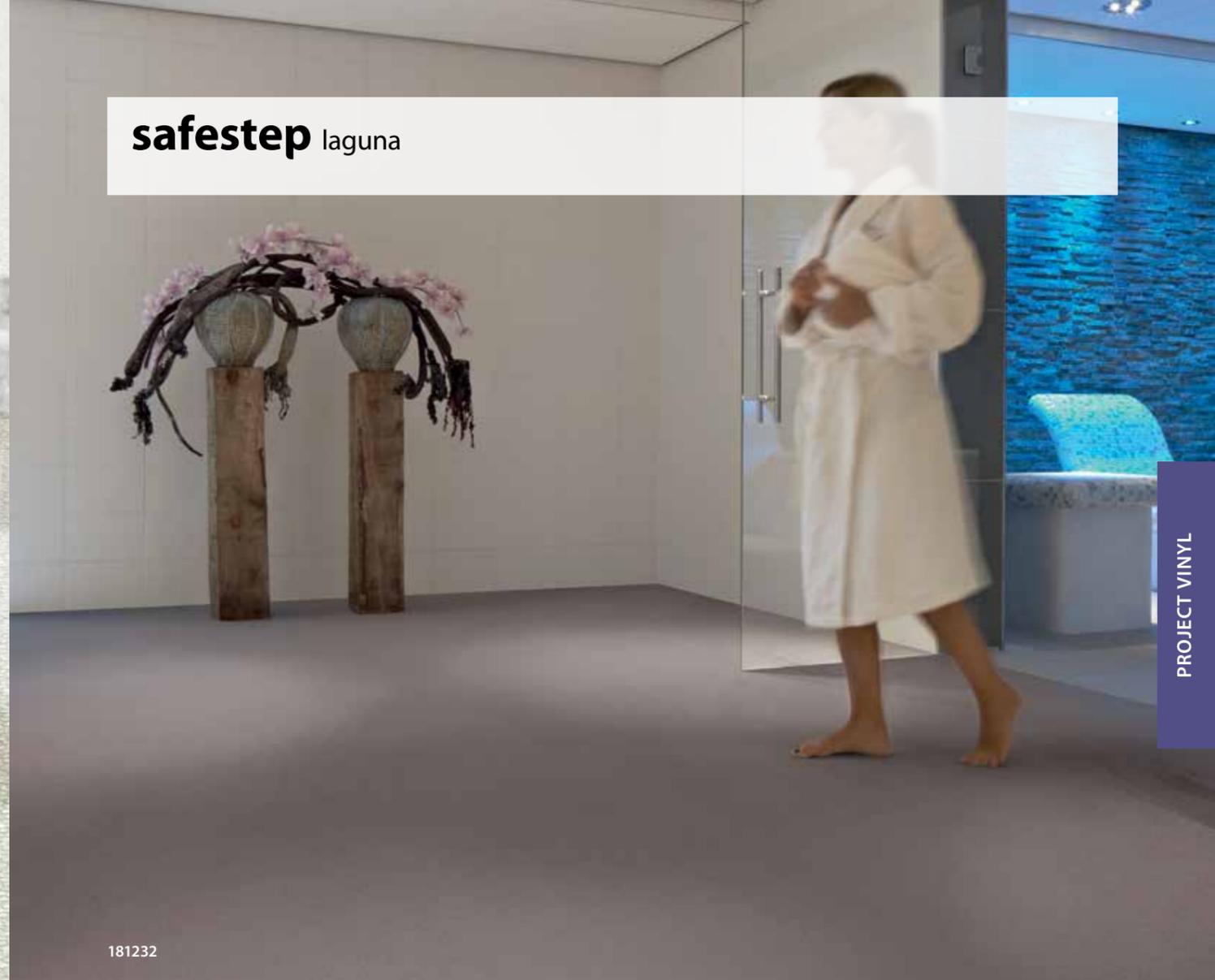
180012

This modern, organic design with a new and unique embossing shape is designed for barefoot (and soft soled shoes) areas. Safestep Aqua is a flexible floor, that can easily be installed to the specific requirements of these wetroom areas. And most importantly: it will perform on the highest barefoot class. The clean and modern collection fits the hygienic and sensitive requirements of the application areas, like bathrooms and swimming pool areas.

Specifications: Class B, R10, ESf + ESb, TRRL≥36, Rz≥20.



safestep laguna

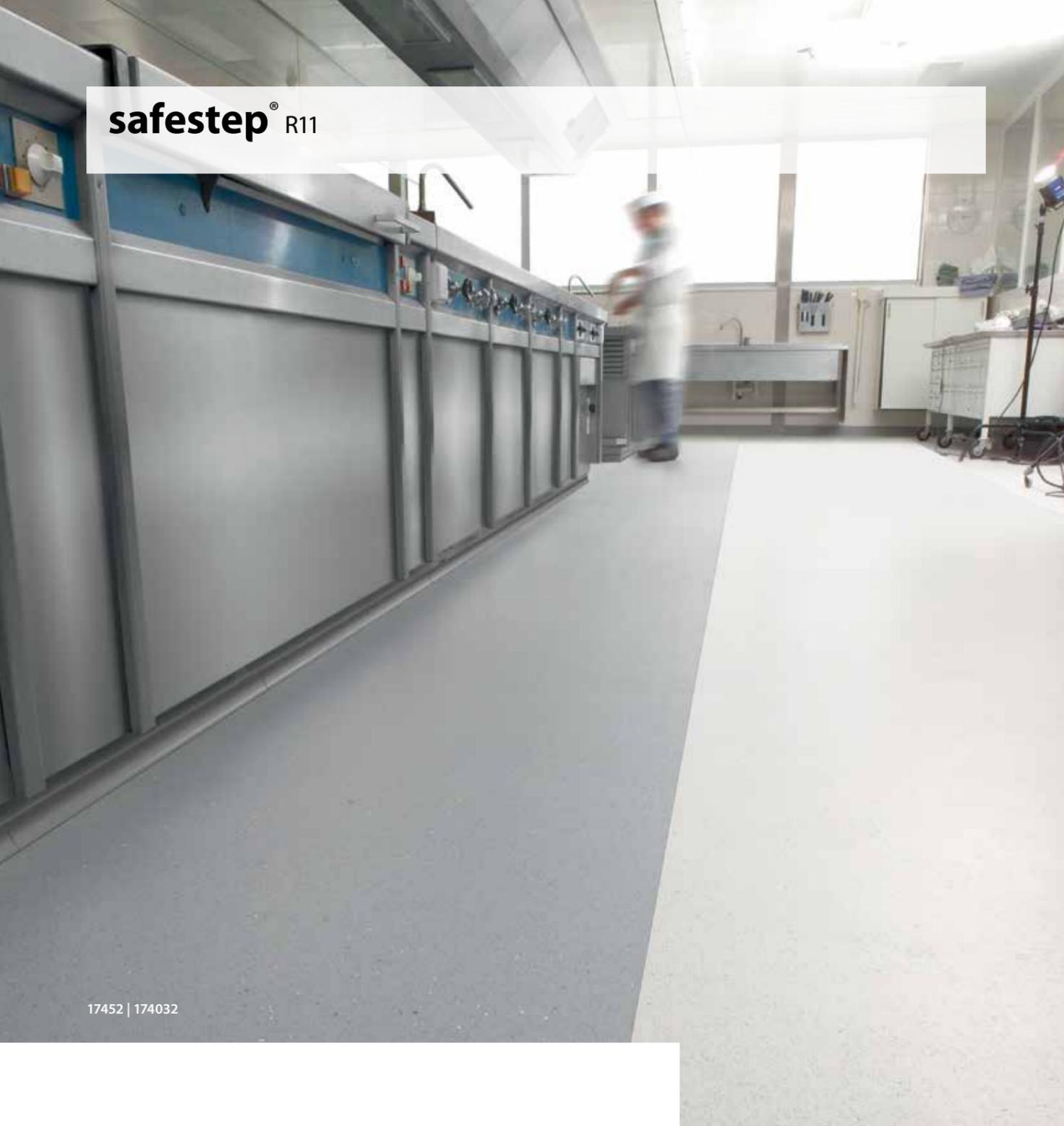


181232

Surestep Laguna safety flooring combines barefoot and footwear slip resistance, for areas where both are likely and frequently will take place. Complying to the relevant norms for both needs, Surestep Laguna can cover all transition areas, like changing rooms and circulation areas. The subtle, soil hiding particle is integrated in the visual, offering a clean and fresh looking floor.

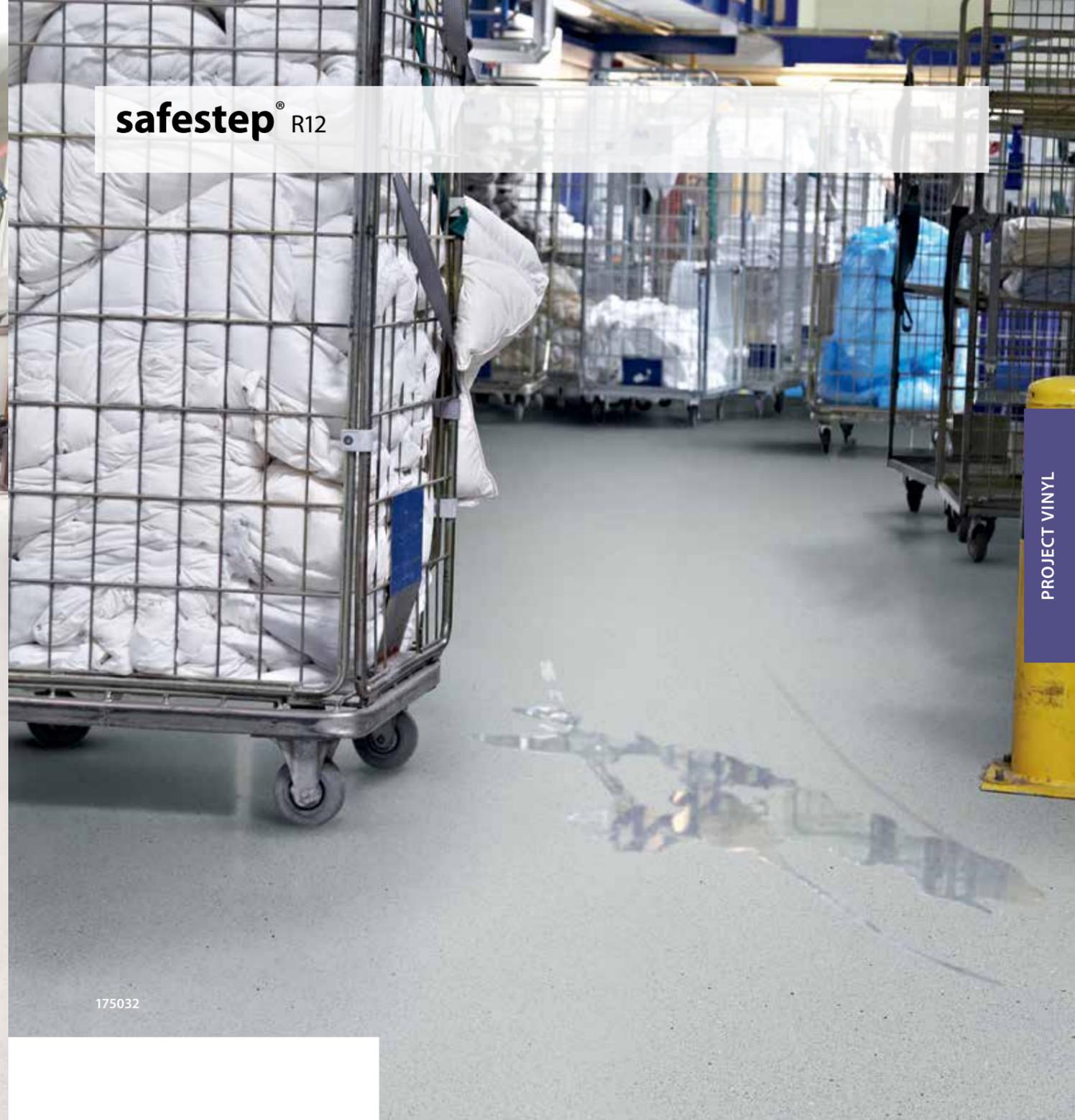


safestep® R11



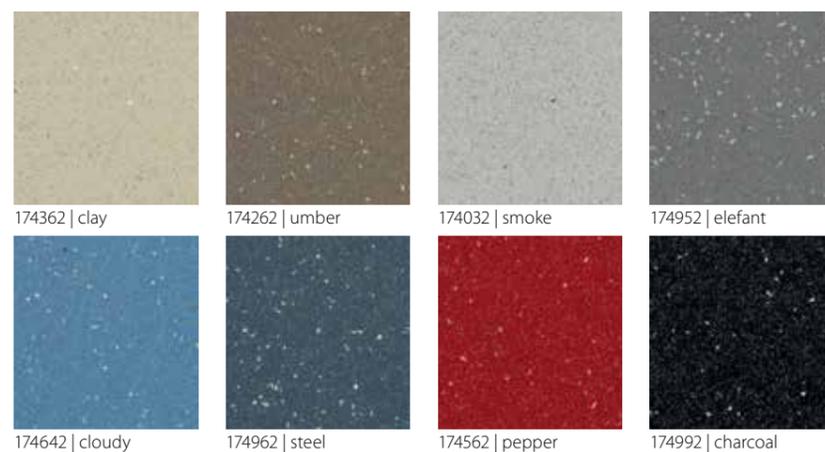
17452 | 174032

safestep® R12

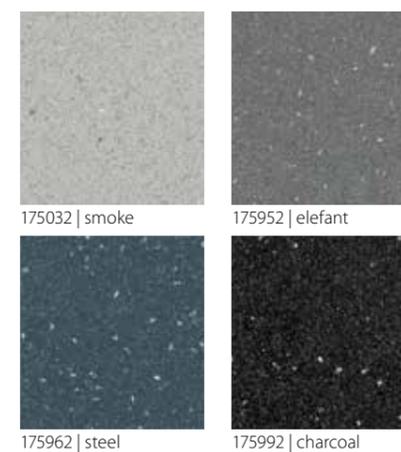


175032

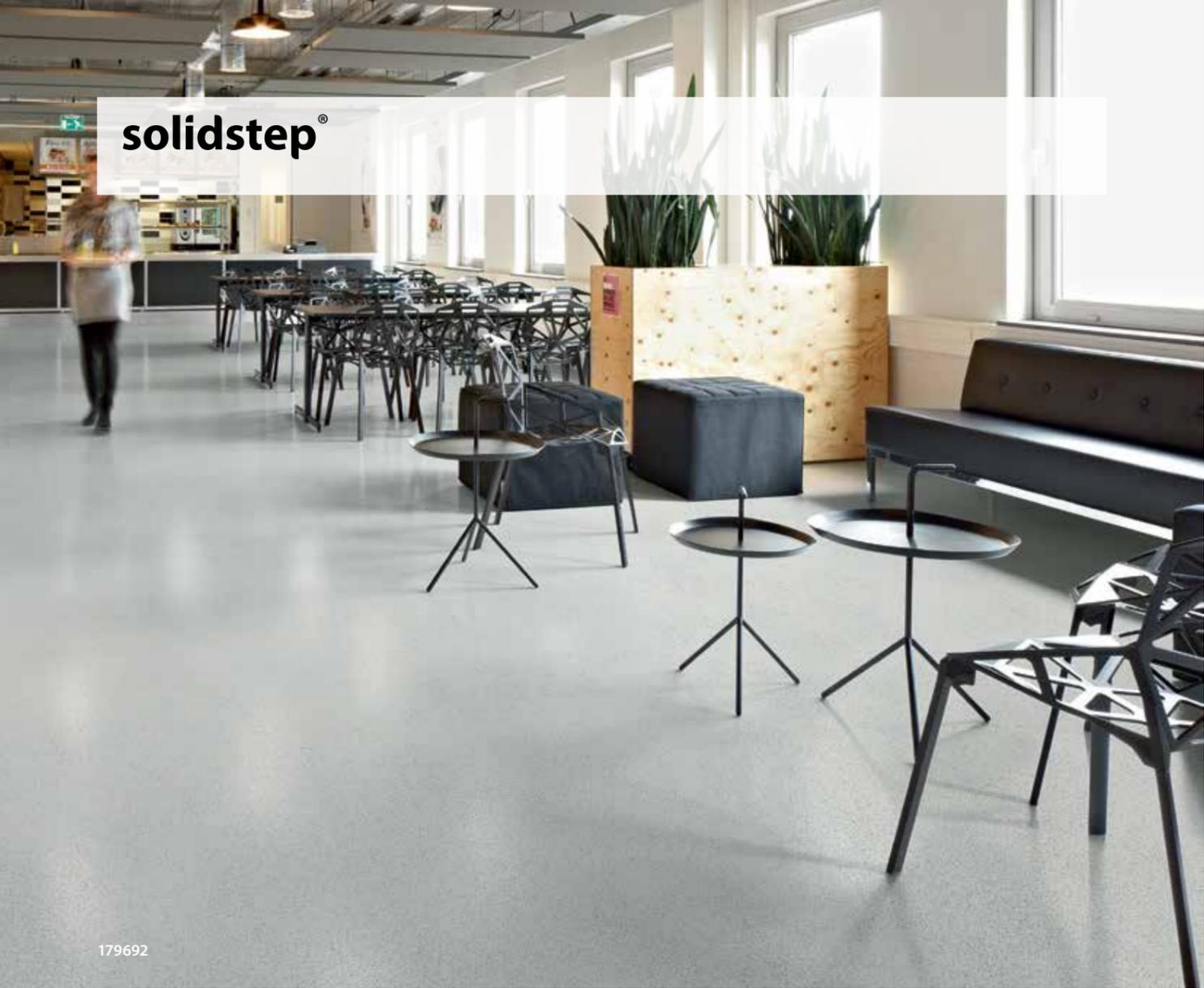
PROJECT VINYL



Forbo's Safestep R11 safety vinyl is applicable in areas where a higher slip risk is identified, like professional kitchens, light industrial food production, flourist shops, garden centres. Safestep R11 offers a combination of high slip resistance and high hygienic standards.



The Safestep R12 range offers soil hiding colourways and can also be colour matched with products in the Surestep collection and with Safestep R11. A high slip resistant R12 rated floor ensures slip resistance under even the most extreme conditions.



179692



179032 | smoke 179072 | pewter 179692 | mouse



179812 | taupe 179142 | sand 179872 | earth 179952 | elephant 179992 | charcoal



179902 | stateblue 179782 | night 179392 | red 179532 | sun 179672 | jungle

Forbo's Solidstep safety flooring is the fresh looking alternative to the conventional safety flooring visual with it's cleaner & brighter visual. Solidstep offers a palette of 13 colours, build up in coordinated colour gradations of saturation, hue and lightness.

Technical specifications: **safestep**

Step meets the requirements of EN - ISO 10582 & EN 13845

		Surestep Original Surestep Star	Surestep Wood Surestep Stone Surestep Mineral Surestep Texture	Safestep Aqua	Surestep Laguna	Safestep R11	Safestep R12	Solidstep
Total Thickness	EN - ISO 24346	2.0 mm	2.0 mm	2.0 mm	2.0 mm	2.0 mm	2.0 mm	2.0 mm
Thickness wear layer	EN - ISO 24340	0.7 mm	0.7 mm	0.7 mm	0.7 mm	0.7 mm	0.7 mm	0.35 mm
Commercial very heavy	EN - ISO 10874	Class 34	Class 34	Class 34	Class 34	Class 34	Class 34	Class 34
Light industrial	EN - ISO 10874	Class 43	Class 43	Class 43	Class 43	Class 43	Class 43	Class 43
Collection size		24 - 13	12 - 8 - 5 - 5	12	12	8	4	13
Roll Width	EN - ISO 24341	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m
Roll Length	EN - ISO 24341	20 - 27 m	20 - 27 m	20 - 27 m	20 - 27 m	20 - 27 m	20 - 27 m	20 - 27 m
Total Weight	EN - ISO 23997	2.75 kg/m ²	2.75 kg/m ²	2.75 kg/m ²	2.75 kg/m ²	2.75 kg/m ²	2.75 kg/m ²	2.75 kg/m ²
Dimension Stability	EN - ISO 23999	< 0.1%	< 0.1%	< 0.1%	< 0.1%	< 0.1%	< 0.1%	< 0.1%
Residual Indentation	EN - ISO 24343-1	≤ 0.05 mm	≤ 0.05 mm	≤ 0.05 mm	≤ 0.05 mm	≤ 0.05 mm	≤ 0.05 mm	≤ 0.05 mm
Castor Chair	EN 425	No effect	No effect	No effect	No effect	No effect	No effect	No effect
Use in Wet areas	EN 13533	Yes	No	Yes	Yes	Yes	Yes	Yes
Light fastness	EN - ISO 105 B-02	≥6	≥6	≥6	≥6	≥6	≥6	≥6
Flexibility	EN - ISO 24344	ø 10mm	ø 10mm	ø 10mm	ø 10mm	ø 10mm	ø 10mm	ø 10mm
	EN 13845 Annex C	ESf	ESf	ESb	ESb / ESf	ESf	ESf	ESf
Slip resistance	EN 13845 Annex D 50.000 revolutions <10% loss	Class 34/43	Class 34/43	Class 34/43	Class 34/43	Class 34/43	Class 34/43	Class 34/43
	DIN 51130	R10	R10	R10	R10	R11	R12	R10
	Din 51097			Class C	Class B			
Chemical resistance	EN-ISO 26987	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Electrical resistance	EN 1081 (R1)	> 1.10 ⁹ Ω	> 1.10 ⁹ Ω	> 1.10 ⁹ Ω	> 1.10 ⁹ Ω	> 1.10 ⁹ Ω	> 1.10 ⁹ Ω	> 1.10 ⁹ Ω

Step meets the requirements of EN 14041

| | | B _g -s1 |
|----------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Reaction to fire | EN 13501-1 | B _g -s1 |
| Body Voltage | EN 1815 | < 2kV |
| Thermal Conductivity | EN 12524 | 0.25 W/m.K |
| Slip resistance | EN 13893 | DS: ≥0.30 |



SARLON TAKES SOUND REDUCTION TO THE NEXT LEVEL

Reducing noise pollution to a minimum can prevent adverse effects on the human body, such as sleeping disorders, stress, headaches, memory loss, aggressiveness and learning difficulties.

Reducing noise pollution to a minimum can prevent adverse effects on the human body, such as sleeping disorders, stress, headaches, memory loss, aggressiveness and learning difficulties. That's why acoustic performance is essential when designing a building. Acoustic floors are key when it comes to reducing noise in buildings. The floor coverings in the Sarlon acoustic vinyl range have been developed and

tested to maximize impact sound reduction while meeting the needs of heavy traffic commercial areas. To suit all types of applications, our Sarlon acoustic vinyl range offers 2 levels of impact sound reduction: 15dB and 19dB. Sound reduction versus residual indentation. Each one of our floor coverings takes 2 key criteria into account: Impact sound reduction & residual indentation.



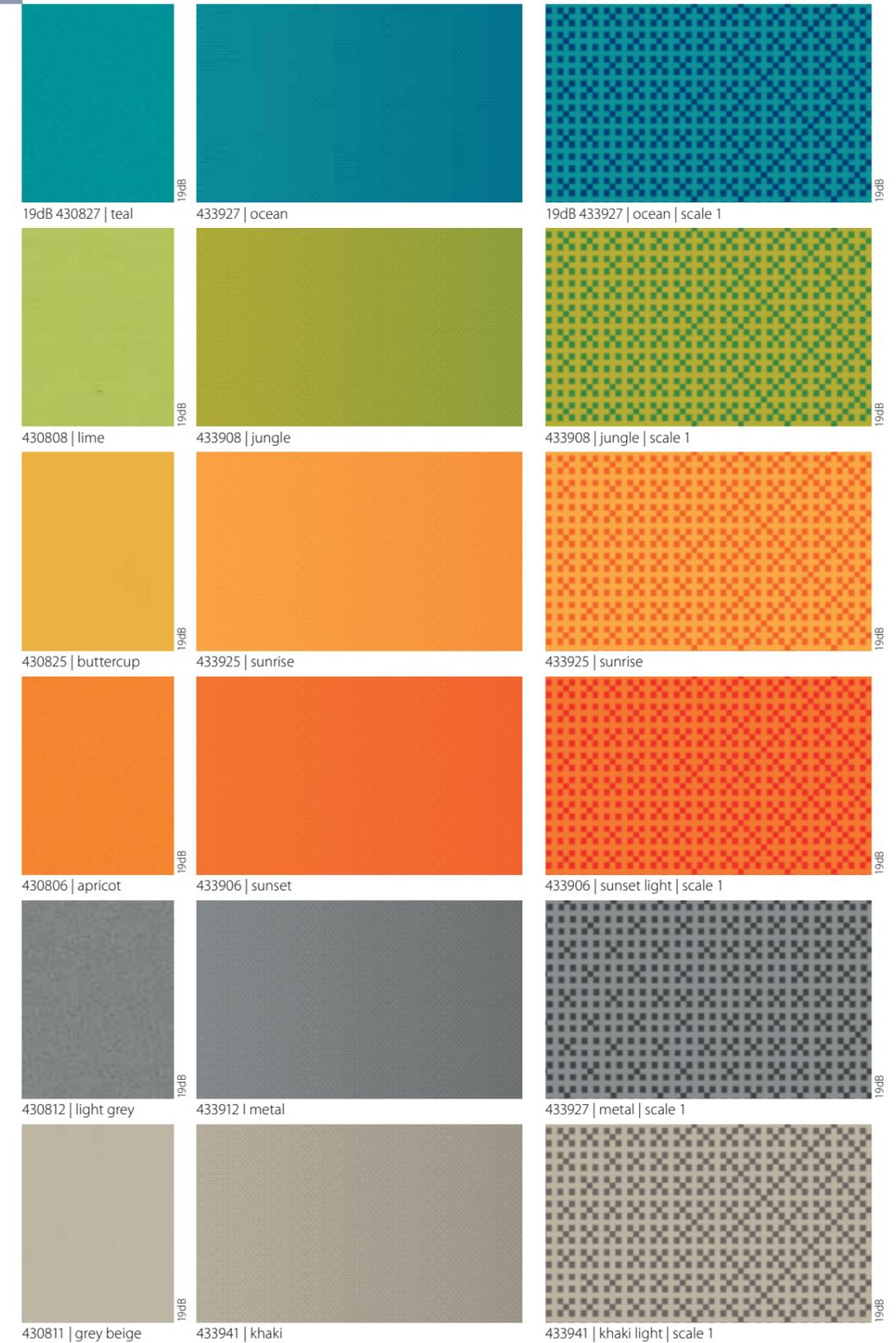
sarlon® dégradé 19 dB | uni 19 dB



430827

433927

Sarlon dégradé is the inspiring in colour and design. The fluent colouration from in combination with the design pattern is an unique flooring in the Sarlon range With the 6 different dessins (all in 19 dB) this is truly a unique match. The lighter side of each Dégradé design is perfectly matching and can be combined with a Uni color.





15db 423208 | 19dB 433208
15db 420819 | 19dB 430819

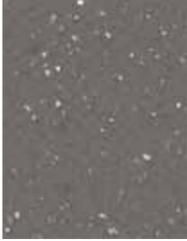
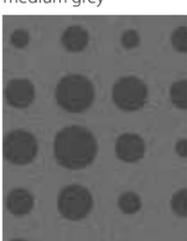
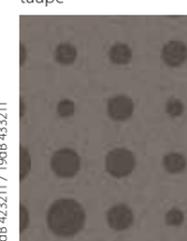
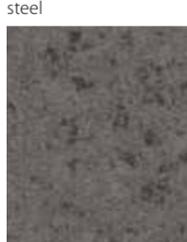
Sarlon cristal 15 & 19 dB 15dB 423837 / 19dB 433837	
sky	
Sarlon frequency 15 & 19 dB 15dB 423437 / 19dB 433437	
cornflower	
Sarlon uni 15 & 19 dB 15dB 420817 / 19dB 430817	
blue	
Sarlon code zero 15 & 19 dB 15dB 423217 / 19dB 433217	
blue	
Sarlon resin 15 & 19 dB 15dB 432767 / 19dB 433767	
cobalt	
Sarlon canyon 15 dB 15dB 432227	
medium blue	

These ranges will give you the option to create floors that will come to life. With a range of bright colours, any space will become more vibrant and special. Designs made for movement and colour are in some designs the key elements. Although the pattern can easily be combined with other ranges.

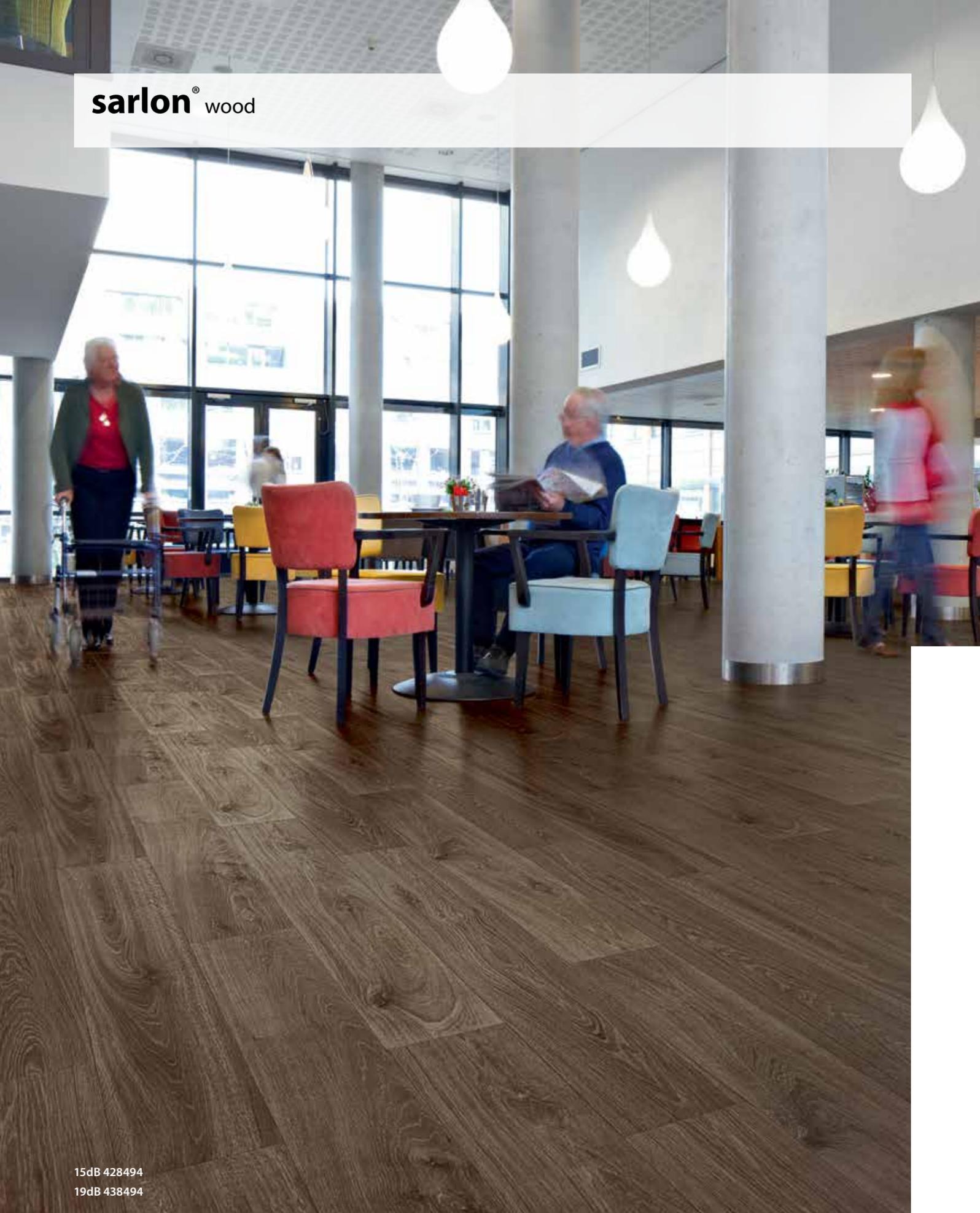
Sarlon cristal 15 & 19 dB 15dB 423847 / 19dB 433847		Sarlon cristal 15 & 19 dB 15dB 423828 / 19dB 433828		Sarlon cristal 15 & 19 dB 15dB 423848 / 19dB 433848		Sarlon cristal 15 & 19 dB 15dB 423835 / 19dB 433835		Sarlon cristal 15 & 19 dB 15dB 423866 / 19dB 433866		Sarlon cristal 15 & 19 dB 15dB 423836 / 19dB 433836	
artic		pistachio		charteuse		corn		cantaloupe		peach	
Sarlon frequency 15 & 19 dB 15dB 423447 / 19dB 433447		Sarlon frequency 15 & 19 dB 15dB 423428 / 19dB 433428		Sarlon frequency 15 & 19 dB 15dB 423438 / 19dB 433438		Sarlon frequency 15 & 19 dB 15dB 423415 / 19dB 433415		Sarlon frequency 15 & 19 dB 15dB 423496 / 19dB 433496		Sarlon frequency 15 & 19 dB 15dB 423436 / 19dB 433436	
turquoise		jade		charteuse		golden yellow		tangerine		salmon	
Sarlon uni 15 & 19 dB 15dB 420827 / 19dB 430827		Sarlon uni 15 & 19 dB 15dB 420818 / 19dB 430818		Sarlon uni 15 & 19 dB 15dB 420808 / 19dB 430808		Sarlon uni 15 & 19 dB 15dB 420825 / 19dB 430825		Sarlon uni 15 & 19 dB 15dB 420806 / 19dB 430806		Sarlon uni 15 & 19 dB 15dB 420816 / 19dB 430816	
teal		avocado		lime		buttercup		apricot		scarlet	
Sarlon code zero 15 & 19 dB 15dB 423227 / 19dB 433227		Sarlon code zero 15 & 19 dB 15dB 423218 / 19dB 433218		Sarlon code zero 15 & 19 dB 15dB 423208 / 19dB 433208		Sarlon code zero 15 & 19 dB 15dB 423225 / 19dB 433225		Sarlon code zero 15 & 19 dB 15dB 423206 / 19dB 433206		Sarlon code zero 15 & 19 dB 15dB 423216 / 19dB 433216	
teal		avocado		lime		buttercup		apricot		scarlet	
Sarlon resin 15 & 19 dB 15dB 432727 / 19dB 433727		Sarlon resin 15 & 19 dB 15dB 432758 / 19dB 433758		Sarlon resin 15 & 19 dB 15dB 432778 / 19dB 433778		Sarlon resin 15 & 19 dB 15dB 432756 / 19dB 433756		Sarlon resin 15 & 19 dB 15dB 432786 / 19dB 433786		Sarlon resin 15 & 19 dB 15dB 432716 / 19dB 433716	
ocean		dark green		kiwi		saffron		pumpkin		poppy	
Sarlon canyon 15 dB 15dB 432257		Sarlon canyon 15 dB 15dB 432228		Sarlon canyon 15 dB 15dB 432208		Sarlon canyon 15 dB 15dB 432205		Sarlon canyon 15 dB 15dB 432246		Sarlon canyon 15 dB 15dB 432256	
teal		green		lime		yellow		orange		ruby	



These clean design designs are the more earth, mineral based colours that would turn any room in a natural and modern look.

Sarlon cristal	 15dB 423819 / 19dB 433819	 15dB 423812 / 19dB 433812	 15dB 423801 / 19dB 433801	 15dB 423811 / 19dB 433811	 15dB 423814 / 19dB 433814
medium grey	light grey	pearl	grey beige	taupe	
Sarlon frequency 15 & 19 dB	 15dB 423402 / 19dB 433402	 15dB 423422 / 19dB 433422	 15dB 423421 / 19dB 433421	 15dB 423431 / 19dB 433431	 15dB 423424 / 19dB 433424
medium grey	light grey	pearl	grey beige	taupe	
Sarlon uni 15 & 19 dB	 15dB 420819 / 19dB 430819	 15dB 420812 / 19dB 430812	 15dB 420801 / 19dB 430801	 15dB 420811 / 19dB 430811	 15dB 420814 / 19dB 430814
medium grey	light grey	pearl	grey beige	taupe	
Sarlon code zero 15 & 19 dB	 15dB 423219 / 19dB 433219	 15dB 423212 / 19dB 433212	 15dB 423201 / 19dB 433201	 15dB 423211 / 19dB 433211	 15dB 423214 / 19dB 433214
medium grey	light grey	pearl	grey beige	taupe	
Sarlon resin Salon concrete* 15 & 19 dB	 15dB 432742 / 19dB 433742	 15dB 432761 / 19dB 433761	 15dB 432771 / 19dB 433771	 15dB 432713 / 19dB 433713	 15dB 432734 / 19dB 433734
pewter	steel	silver*	peanut*	umber*	
Sarlon canyon 15 dB	 15dB 432219	 15dB 432209	 15dB 432211	 15dB 432200	 15dB 432214
dark grey	medium grey	light grey	ivory	taupe	

432713



15dB 428494
19dB 438494

The wood is represented with a more classic and a modern oak, giving enough choice for anyone in need of acoustic woods. Linea is a more graphic design of vibrant Zebrano. They come in modern and relevant colours.

Sarlon wood XL modern 15 & 19dB

Sarlon oak 15 & 19dB

Sarlon linea 15 & 19dB

Sarlon zebrano 15 & 19dB



15dB 428430 / 19dB 438430

chalk



15dB 428413 / 19dB 438413

natural



15dB 423121 / 19dB 433121

light grey



15dB 423311 / 19dB 433311

light grey



15dB 428420 / 19dB 438420

clay



15dB 428483 / 19dB 438483

scandinavian



15dB 423313 / 19dB 433313

sand



15dB 423113 / 19dB 433113

sand



15dB 428422 / 19dB 438422

carbon



15dB 428494 / 19dB 438494

hazelnut



15dB 423132 / 19dB 433132

charcoal



15dB 423119 / 19dB 433119

charcoal

sarlon® cement 15 & 19 dB



15dB 423579
19dB 433579

sarlon® topography 19 dB



PROJECT VINYL

19dB 433910

The design in our acoustic range is the right balance between a movement and uniformity; which makes it easy to use. Especially in these 6 modern colours.



taupe



sepia



clay



slate



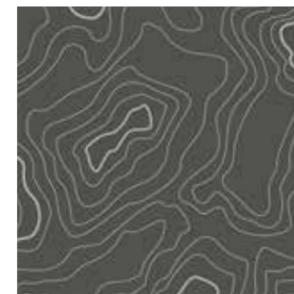
medium grey



chalk



white



grey



black

sarlon® abstract wood 19 dB



433980



white



black

This graphic wood is unique and our own interpretation with a more black and white approach. This design will give any area a modern natural feeling.

Technische specificaties: sarlon

Sarlon 15 dB and 19 dB meet the requirements of EN 14041 and EN 651

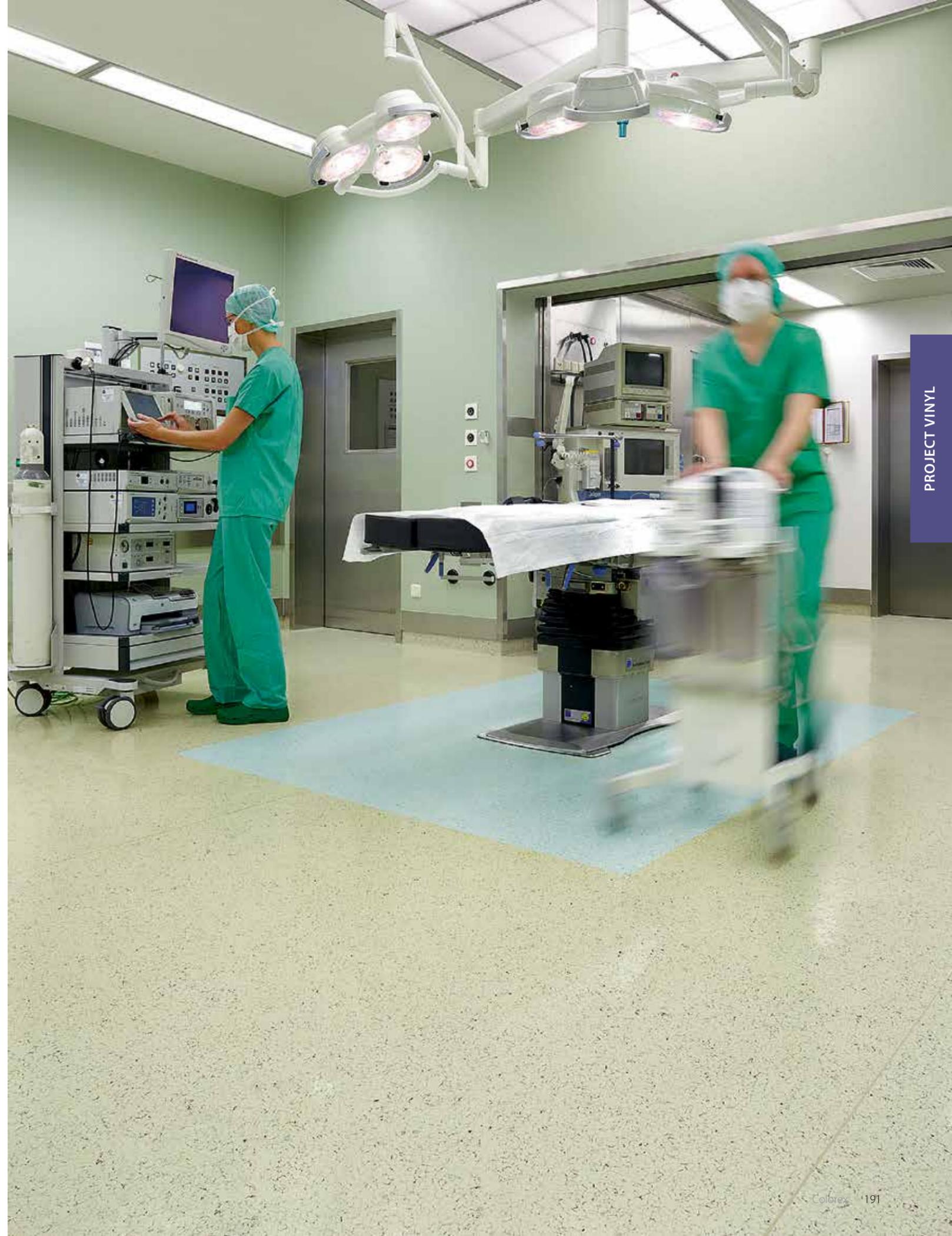
		sarlon 15 dB	sarlon 19 dB	
	Total thickness	EN-ISO 24346	2.6 mm	3.4 mm
	Wear layer thickness	EN-ISO 24340	0.70 mm	0.67 mm
	Total weight	EN-ISO 23997	2,700 g/m ²	2,900 g/m ²
	Impact sound reduction	EN-ISO 717-2	ΔL _w = 15 dB	ΔL _w = 19 dB
	In-room impact noise	NF S 31-074	L _{n,r,w} < 65 dB, Class A	L _{n,r,w} < 65 dB, Class A
	Sound absorption	EN-ISO 354 EN-ISO 11654	α _w = ± 0,05	α _w = ± 0,05
	Residual indentation (Typical value) Requirement	EN-ISO 24343-1	~0,05 mm ≤ 0,20 mm	~0,08 mm ≤ 0,20 mm
	Slip resistance	DIN 51130	R9	R9
	Abrasion resistance	EN 660-2	T	T
Specifications		EN 651	EN 651	
	Commercial use	EN-ISO 10874	34	34
	Light industrial use	EN-ISO 10874	42	42
Packaging		Rolls	Rolls	
	Roll length	EN-ISO 24341	25 m	25 m
	Roll width	EN-ISO 24341	2 m	2 m
	Castor chair resistance	EN 425 (ISO 4918)	Yes	Yes
	Furniture leg resistance	EN 424 (ISO 16581)	compliant	compliant
	Dimensional stability Requirement	EN-ISO 23999	< 0.10 % ≤ 0.40 %	< 0.10 % ≤ 0.40 %
	Colour fastness to light Requirement	EN ISO 105-B02 - method 3	7 ≥ 6	7 ≥ 6
	Stain resistance	EN-ISO 26987	Good	Good
Surface treatment			PUR	PUR
Emissions into air : TVOC* at 28 days		EN-ISO 16000-9	< 100 µg/m ³	< 20 µg/m ³
			EN 14041 CE 0201819_DOP_306	EN 14041 CE 0200825_DOP_306
Compliance EN 14041			Yes	Yes
	Reaction to fire	EN 13501-1	Bfl - s1 ⁽²⁾	Cfl - s1 ⁽¹⁾
	Slip resistance	EN 13893	Class DS (μ ≥ 0,30)	Class DS (μ ≥ 0,30)
	Body voltage	EN 1815	E ≤ 2 kV , Antistatic	E ≤ 2 kV , Antistatic
	Thermal conductivity	EN 12524 (EN-ISO 10456)	0,25 W/(m.K), suitable for heating floors	0,25 W/(m.K), suitable for heating floors

⁽¹⁾ Valid on every substrate: wood, non combustible A2_s-s1 or A1_{fl}, or on free laying (with SARLIBASE TE underlayer)

⁽²⁾ Valid on non combustible substrate: A2_s-s1 or A1_{fl}

* TVOC : total volatile organic compounds

COLOREX ESD FLOOR COVERING IS SAFE STAYS SAFE



PROJECT VINYL

Protecting your technology Colorex is an advanced technical flooring system specifically designed to control static discharge in sensitive areas such as cleanrooms, operating theatres and the electronics industry. Not only does Colorex provide an advanced technical solution, it is also aesthetically pleasing, enhancing any commercial interior from industrial to educational establishments.

Providing peace of mind Forbo Flooring Systems is an international market leader with a wealth of experience in providing ESD and clean room flooring with probably the best known brand in the market place - Colorex. You can have peace of mind that Colorex complies to every standard and norm that is required today and likely to be required tomorrow. Environmental credentials We constantly strive to produce sustainable flooring systems that create better environments everywhere. At the same time we help take care of the natural environment through our commitment to sustainable development, responsible raw material procurement and manufacturing processes. For example our Colorex collection contains 15% post industrial recycled content, is manufactured using green electricity and is REACH compliant.

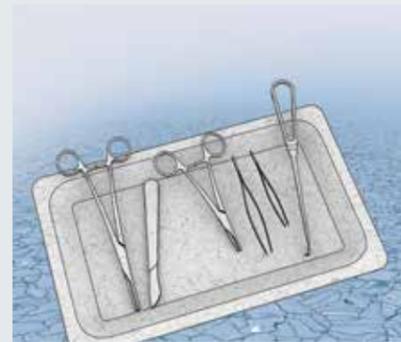
The 8 benefits of Colorex

Colorex is the ideal flooring system for sectors such as electronics, pharmaceuticals, health, data centres and server rooms.

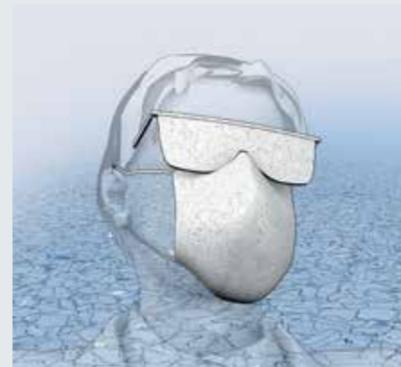
- 1** Colorex offers peace of mind as it fully complies with all ESD and clean room standards, including the Fraunhofer institute.
- 2** Colorex offers a life time conductivity warranty guaranteeing optimal performance throughout the life of the product
- 3** The dense construction of Colorex provides a porefree surface ensuring the highest hygiene properties
- 4** The low plasticiser content in Colorex tile creates a unique dimensional stability and prevents shrinkage
- 5** The low plasticiser content also ensures extremely low emissions and outgassing making Colorex the right choice for clean rooms
- 6** The surface of Colorex can be fully repaired extending the useful life of the product
- 7** The dense construction of Colorex provides excellent resistance to heavy loads making it an ideal solution for commercial and industrial environments
- 8** Colorex is available in tile format, a prerequisite for raised access floors found in many commercial environments such as data centres and server rooms.



ESD-floors



Healthcare-flooring



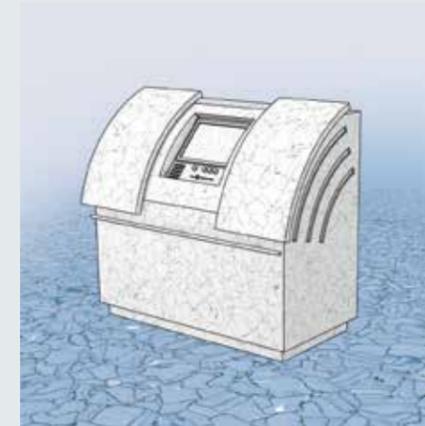
Cleanroom-flooring



Industrial-flooring

Colorex Basic Plus is a loose lay floor system with Colorex on top without conductive properties. This ensures all the benefits of Colorex like high density, easy repair and stain resistance. But also combines the benefits of a heavy duty loose lay tile.

colorex EC plus Highperform



Renovating an industrial floor can be a very costly and labour intensive endeavour. The downtime needed to move or disassemble heavy production equipment and the cost of a complex subfloor renovation can begin to add up before work on installing the new floor has even started. Colorex EC plus is a high performance floor covering system that consists of loose lay tiles. Suitable for applications where expensive preparatory measures and downtimes are not acceptable, it can be installed without any interruptions and is immediately accessible. There's no need for special subfloor treatments or preparations. The tiles connect to each other using a unique dovetailing system that remains hidden. As the tiles have a genuine Colorex surface you can still take advantage of its proven features and benefits.

- Functionality:** Permanently conductive
- Description:** Permanently conductive floor, connection between tiles through dovetails and connected to earth with copper strip. Compliant to IEC 61340-4-5 with appropriate ESD shoes.
- Application areas:** Renovation of ESD facilities, cleanrooms, pharmaceutical laboratories and production sites. Suitable when down time, damp floors or poor sub floors are an issue.

colorex basic plus



Colorex Basic plus is a loose lay floor system with a Colorex surface and limited conductive properties. This range provides all the benefits of Colorex, such as a high density, repairable and chemical resistant surface with the flexibility of a heavy duty loose lay tile.

- Functionality:** Resistant / repairable
- Description:** Excellent chemical resistance. Floor can be repaired in case of heavy damages.
- Application:** areas Shops, stores, warehouses. Suitable when down time, damp floors or poor sub floors are an issue

colorex R11 plus



The product has enhanced slip resistance, categorised as, R11 due to its strong surface embossed structure. Only available in colourway 601060.

- Functionality:** Slip resistant to R11
- Description:** Dirt hiding, slip resistant floor.
- Application areas:** Industrial areas, garages, warehouses. Suitable when down time, damp floors or poor sub floors are an issue



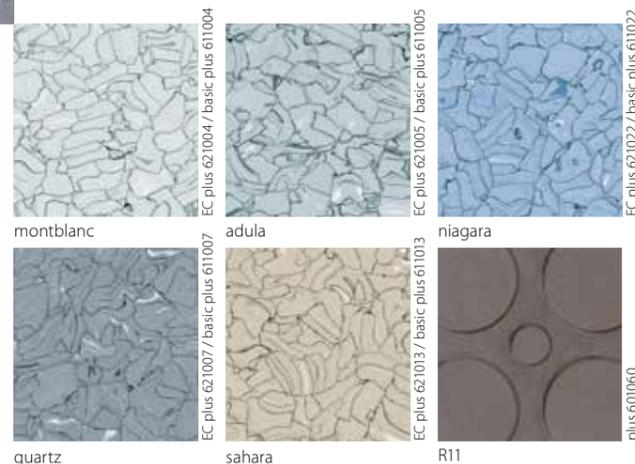
The Colorex collections offers a premium brand of conductive and static dissipative high density dimensional stable tiles. Colorex SD enables safe electrostatic discharge through the entire surface and mass of the tile. The conductive carbon black forms a dense network of tiny black veins. Colorex SD is **permanently static dissipative.





EC plus 621005 | EC plus 621005

Colorex Basic Plus is a loose lay floor system with Colorex on top without conductive properties. This ensures all the benefits of Colorex like high density, easy repair and stain resistance. But also combines the benefits of a heavy duty loose lay tile.



montblanc adula niagara quartz sahara R11

Technical specifications: **colorex[®]**

Colorex meets the requirements of EN 649		Colorex SD	Colorex EC	Colorex EC Plus	Colorex Basic Plus	R11 Plus
	CE marking	EN 14041	Compliant	Compliant	Compliant	Compliant
	ASTM**	Compliant	Compliant			
	Total thickness	ISO 24346 / EN 428	2.0 mm / 3.0 mm*	2.0 mm / 3.0 mm*	10.5 mm	10.5 mm
	Tile size	EN 427 / ISO 24342	615x615 mm 615x1230 mm*	615x615 mm 615x1230 mm*	608x608 mm	608x608 mm
	Commercial very heavy	ISO 10874 / EN 685	34	34	34	34
	Industrial heavy	ISO 10874 / EN 685	43	43	43	43
	Electrical resistance	IEC 61340-4-1 EN 1081 (100V) ANSI/ESD 7.1	10 ⁶ ≤ R ≤ 10 ⁸ Ω	5 x 10 ⁴ ≤ R ≤ 10 ⁶ Ω	2.5 x 10 ⁴ ≤ R ≤ 10 ⁶	n.a.
	Electrical resistance in combination with ESD Shoes	IEC 61340-4-5 ESD STM 97.1	n.a.	R < 3.5 x 10 ⁷ Ω	R < 3.5 x 10 ⁷ Ω	n.a.
	Outgassing	IDEMA M11-99	total < 1 µg/cm ²	total < 1 µg/cm ²	total < 2 µg/cm ²	total < 2 µg/cm ²
	Total TVOC 28 days	AgBB guidelines	25 µg/cm ³	25 µg/cm ³	25 µg/cm ³	25 µg/cm ³
	Bacteriostatic	SNV 195 920	Pass	Pass	Pass	Pass
	Chemical resistance	ISO 26787 / EN 423	Excellent	Excellent	Excellent	Excellent
	Slip resistance	DIN 51130	R9	R9	R9	R9
	Total weight	ISO 23997 / EN 430	3.2 kg/m ²	3.2 kg/m ²	12.4 kg/m ²	12.4 kg/m ²
	Dimensional stability	ISO 23999 / EN 434	0.05%	0.05%	n.a.	n.a.
	Thermal dilatation coefficient		n.a.	n.a.	0.11 mm/m°C	0.11 mm/m°C
	Residual indentation	ISO 24343-1 / EN 433	0.035 mm	0.035 mm	n.a.	n.a.
	Resistance to load (performance may vary, subject to local conditions)		Powered pallet truck and forklifts: total weight up to 2.5 t with hard wheels and up to 5 t with air tyres. Static loads: 50 kg/cm ² - dynamic loads: 90 kg/cm ²			
	Abrasion resistance	EN 660-2	Group M	Group M	Group M	Group M
	Castor chair continuous use	ISO 4918 / EN 425	no effect	no effect	no effect	no effect
	Light fastness	EN ISO 105 B02	≥ 6	≥ 6	≥ 6	≥ 6
	Impact sound reduction	EN ISO 140-8	2 dB	2 dB	12 dB	12 dB



All Colorex products meet the requirements of EN 14041

EN 14041

	Body voltage generation, with appropriate ESD shoes	IEC 61340-4-5 ESD STM97.2 EN 1815	40 V	20 V	20 V	< 2 kV	< 2 kV
	Reaction to fire	EN 13501-1	B _s -s1				
	Slip resistance	EN 13893	DS ≥ µ 0,30	DS ≥ µ 0,50			
	Thermal conductivity	ISO 10456/EN 12524	0.25 W/(m-K)				

* Available on request

** Product also tested to ASTM. Results available on request



FLOTEX



FLOTEX, A UNIQUE FLOOR COVERING

Flotex is neither a true textile, nor is it an resilient and its unique construction succeed in combining the best of both worlds, suitable for use in commercial environments however demanding the conditions. Approximately 80 million minute nylon 6.6. fibres (flock) are as strong as a bamboo construction, yet creating the comfort of a moss surface. Precision printing technologies used to manufacture Flotex mimic the rich colour pallet that can be found in nature to the smallest detail. Slip resistant in wet and dry conditions (R13), imitating the functions of the Gecko's feet. Like a honey bee collects and distributes pollen on the stems by hovering between flowers, the Flotex surface captures fine dust and allergens from the air and releases this completely during a simple basic cleaning action.

As such Flotex is the high tech textile that offers bionic performance, available in both sheet and tile.

Fresh air:

- the nylon fibres capture allergens and fine dust from the air
- as easy to clean as any resilient floorcovering
- the anti microbial Sanitized® treatment ensures consistent protection against bacteria



FLOTEX, THE HIGH TECH TEXTILE

Flotex Flocked Flooring is a completely unique textile flooring that combines the hard wearing and durable characteristics of a resilient floor with the quality, warmth and comfort of a carpet.

Durable and comfortable
Discover the toughness and durability of Flotex which comes as a result of the 80 million nylon 6.6. fibres per square metre, while experiencing the quietness and comfort normally only associated with a carpet as a result of the impervious cushioned backing.

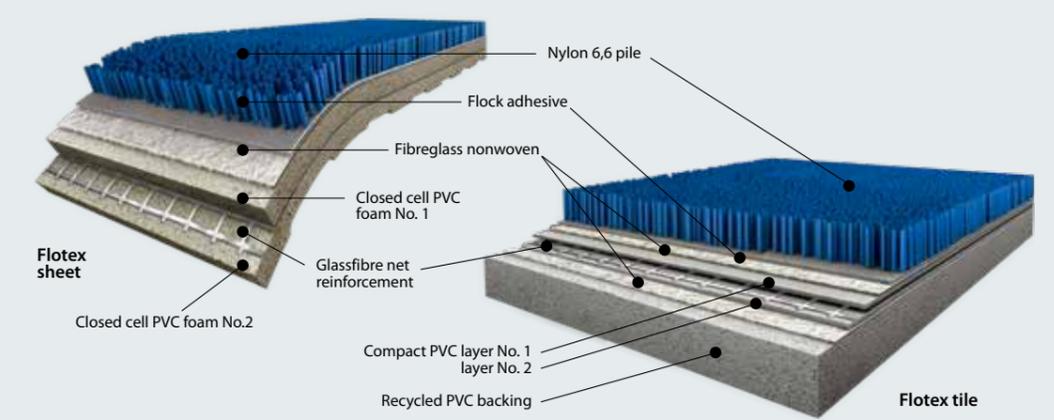
Quiet yet Hygienic
The nylon fibres not only perform in sound absorption and comfort, they also capture allergens and fine dust from the air, all of which they effortlessly release in any cleaning action in both dry and wet conditions. Through its construction Flotex is protected against mould and odour's whilst keeping up its appearance, as the floor restores to mint condition after every cleaning action.

Warm while washable
Simple every day vacuuming removes any dirt or dust trapped in the dense nylon surface. However also steam cleaning or deeper mechanical cleaning can be used after heavy soiling, requiring a minimum of traditional detergents. Simple cleaning action already restores Flotex to its original appearance. The wide array of colours and designs in which Flotex is offered, remain as vibrant and livery as the day the floor was installed.

Safe but sound absorbing
Flotex provides both low in-room impact noise performance (class A) as well as good impact sound reduction (>20dB), meaning a quiet room and a quiet building. Flotex also meets the HSE wet and dry slip resistance classifications for use of flat surfaces and ramps.

Flotex, a choice, not a compromise

Flotex is a high tech textile which brings together the world of resilients and textiles connecting key performance indicators into one single product, that delivers all you can expect from an innovative flooring solution.



FLOTEX



IT'S NOT A CARPET
**BUT IT LOOKS
LIKE ONE**

FLOTEX

206 **flotex® colour**

Showing three individual designs in a rhapsody of colour that offers you the choice for selection of the detail and nuance that you are looking for.

216 **flotex® linear**

Represents a comprehensive choice of 5 linear designs in various colour ways that suit office environments, but also deliver playful effects for leisure, hospitality or retail spaces.

224 **flotex® vision**

An overwhelming choice of over 600 digitally printed designs to suit every taste or requirement, right down to a colour on demand option.

228 **flotex® sottsass**

A collection of 4 exquisite designs, created exclusively for Forbo by Italian design studio Sottsass Associati.

236 **flotex® planks**

Flotex is neither a true textile, nor is it a resilient flooring. Its unique dense fiber construction succeeds in combining the best of both worlds: comfort & resilience. Flotex offers a flooring solution for areas where safety, hygiene and well-being are in high demand.

IT'S NOT A RESILIENT
**BUT PERFORMS
LIKE ONE**

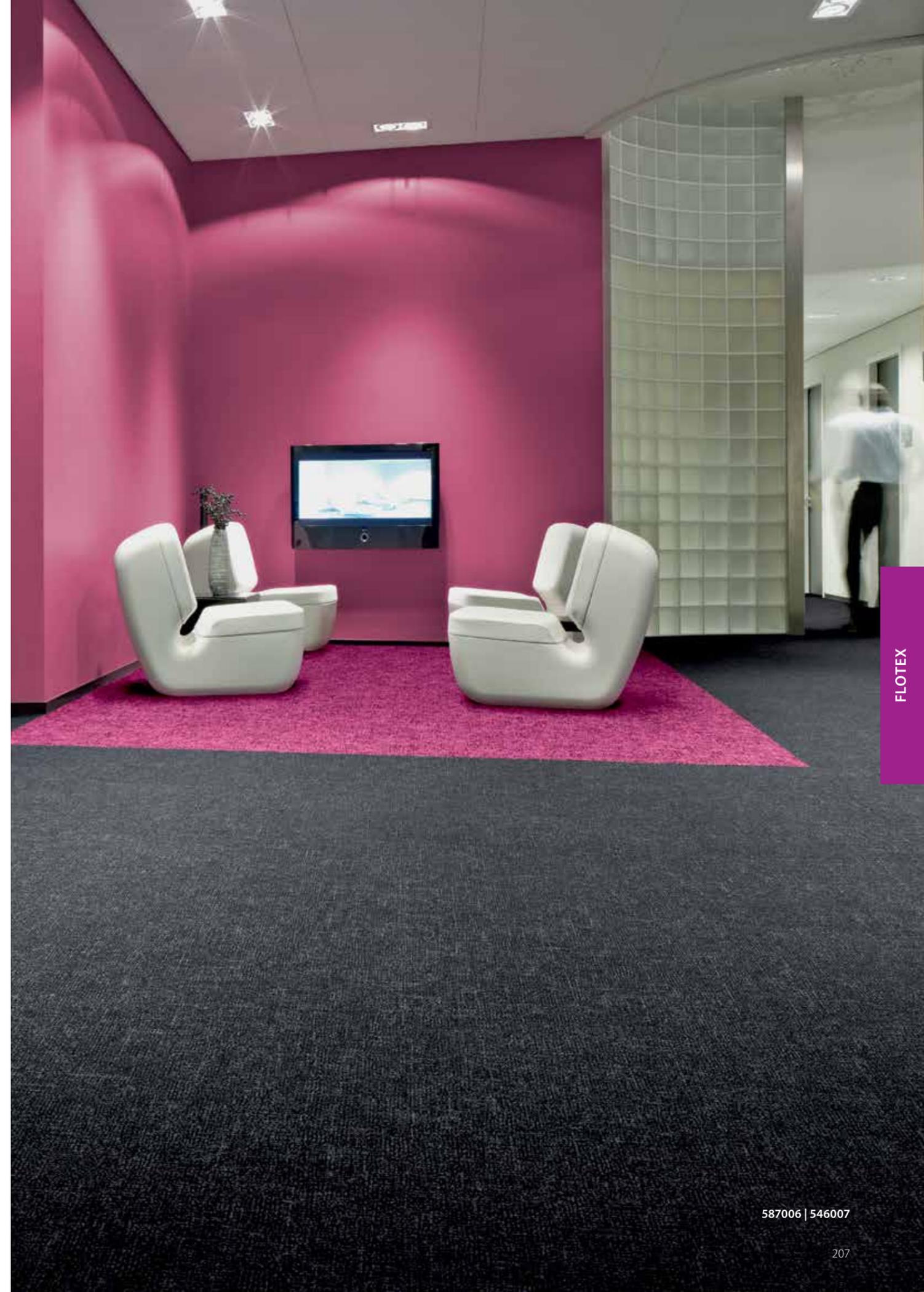
flotex® colour

Flotex Colour is a collection with 3 designs which together form a rhapsody of colour across a broad spectrum. Ideal for education, health - and age care environments, leisure, retail and other commercial spaces.

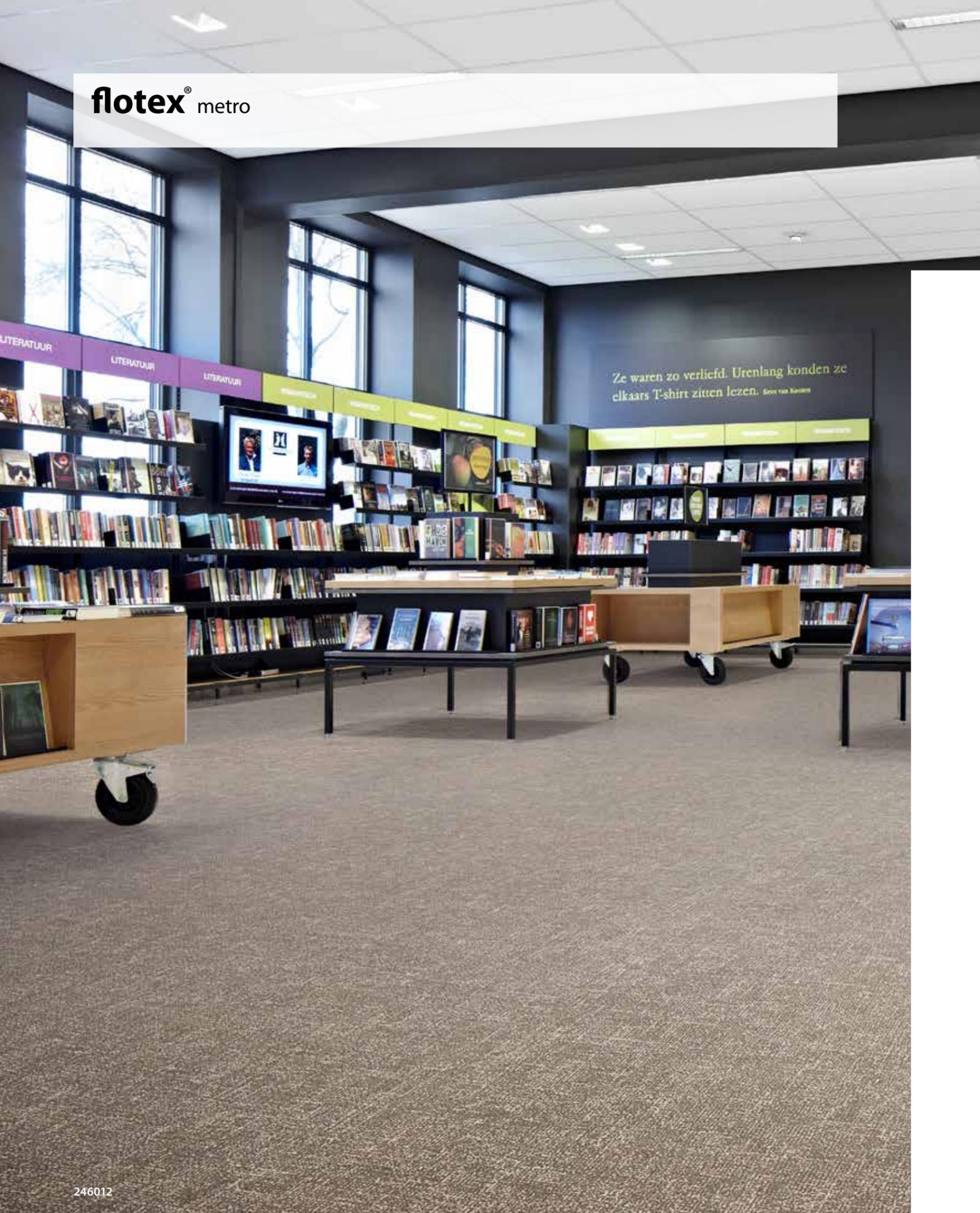
Flotex Colour is a comprehensive collection of textile designs that are presented in 3 different all-over styles and subtle print nuances: Metro, Calgary and Penang. The Metro Neons add a special twist to this collection. All items are available in sheet or tile.



211100 | 232100



587006 | 546007



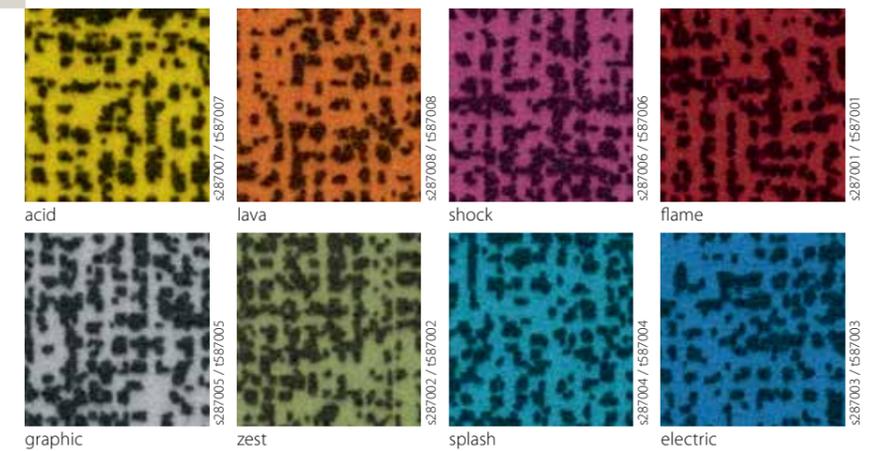
246012





287002

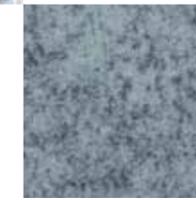
Opening up a whole new dimension of design possibilities, the Flotex Metro Neon range offers 8 vibrant colours cleverly designed to work on their own or in conjunction with the standard Metro range. You can use them to create striking breakout areas, cut-outs and borders or delineate walkways and individual zones in open plan spaces.



acid 287007 / 1587007
lava 287008 / 1587008
shock 287006 / 1587006
flame 287001 / 1587001
graphic 287005 / 1587005
zest 287002 / 1587002
splash 287004 / 1587004
electric 287003 / 1587003



590023 | 590026



fossil

5290018 / 1590018



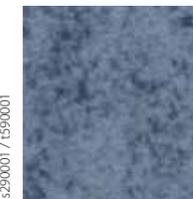
aqua

5290021 / 1590021



sky

5290001 / 1590001



Riviera

5290025 / 1590025



condor

5290022 / 1590022



azure

5290015 / 1590015



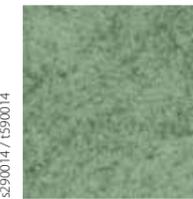
amber

5290027 / 1590027



lime

5290014 / 1590014



apple

5290016 / 1590016



moss

5290009 / 1590009



menthol

5290004 / 1590004



saffron

5290008 / 1590008



Sahara

5290006 / 1590006



fire

5290024 / 1590024



cherry

5290031 / 1590031



red

5290003 / 1590003



suede

5290007 / 1590007



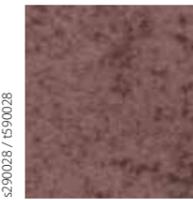
caramel

5290013 / 1590013



ginger

5290028 / 1590028



salmon

5290029 / 1590029



melon

5290005 / 1590005



quartz

5290011 / 1590011



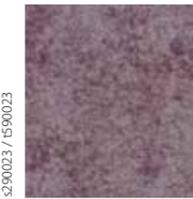
linen

5290026 / 1590026



espresso

5290023 / 1590023



crystal

5290017 / 1590017



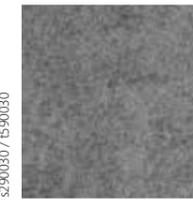
toffee

5290020 / 1590020



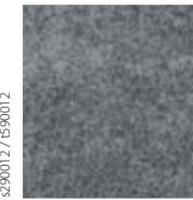
spa

5290030 / 1590030



cement

5290012 / 1590012



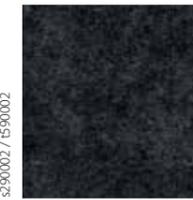
carbon

5290019 / 1590019



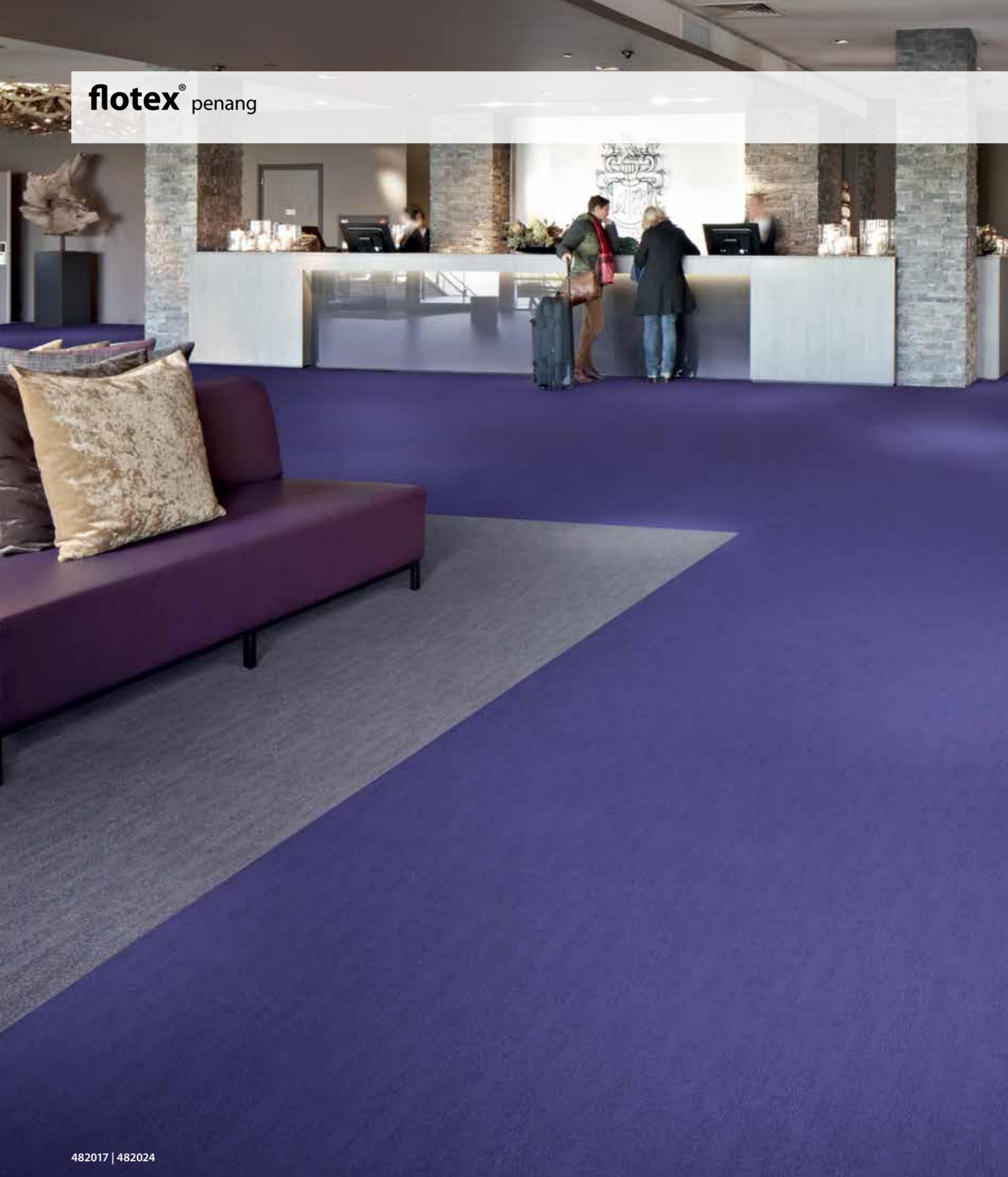
grey

5290002 / 1590002

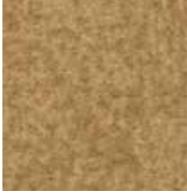
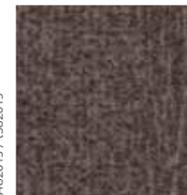
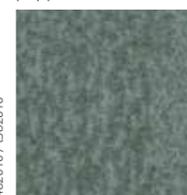
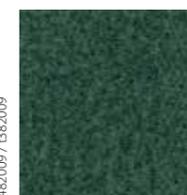
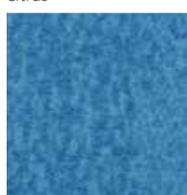
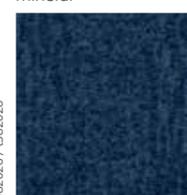
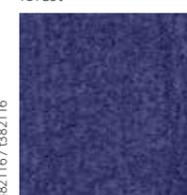
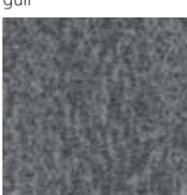
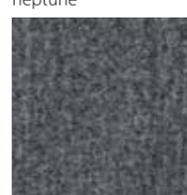
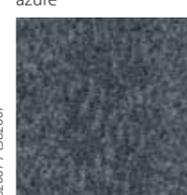
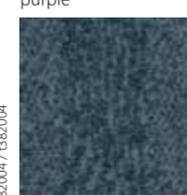
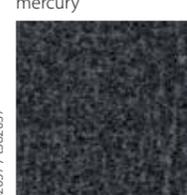


ash

5290010 / 1590010



Flotex Penang offers a stunning look for any modern environment. Its hint of the wooden planks design provides a quiet neutral floor design.

 amber #482022 / 1382022	 coral #482016 / 1382016	 dusk #482023 / 1382023	 chocolate #482114 / 1382114	
 ginger #482019 / 1382019	 brick #482073 / 1382073	 red #482012 / 1382012	 berry #482013 / 1382013	 copper #482014 / 1382014
 bamboo #482018 / 1382018	 flax #482075 / 1382075	 beige #482015 / 1382015	 pepper #482108 / 1382108	 concrete #482002 / 1382002
 sage #482006 / 1382006	 citrus #482003 / 1382003	 evergreen #482010 / 1382010	 mineral #482009 / 1382009	 forest #482025 / 1382025
 gull #482044 / 1382044	 sapphire #482011 / 1382011	 neptune #482026 / 1382026	 azure #482116 / 1382116	 purple #482024 / 1382024
 smoke #482005 / 1382005	 nimbus #482017 / 1382017	 zinc #482007 / 1382007	 mercury #482004 / 1382004	 tempest #482008 / 1382008
 silver #482021 / 1382021	 shale #482020 / 1382020	 grey #482037 / 1382037	 ash #482031 / 1382031	 anthracite #482001 / 1382001

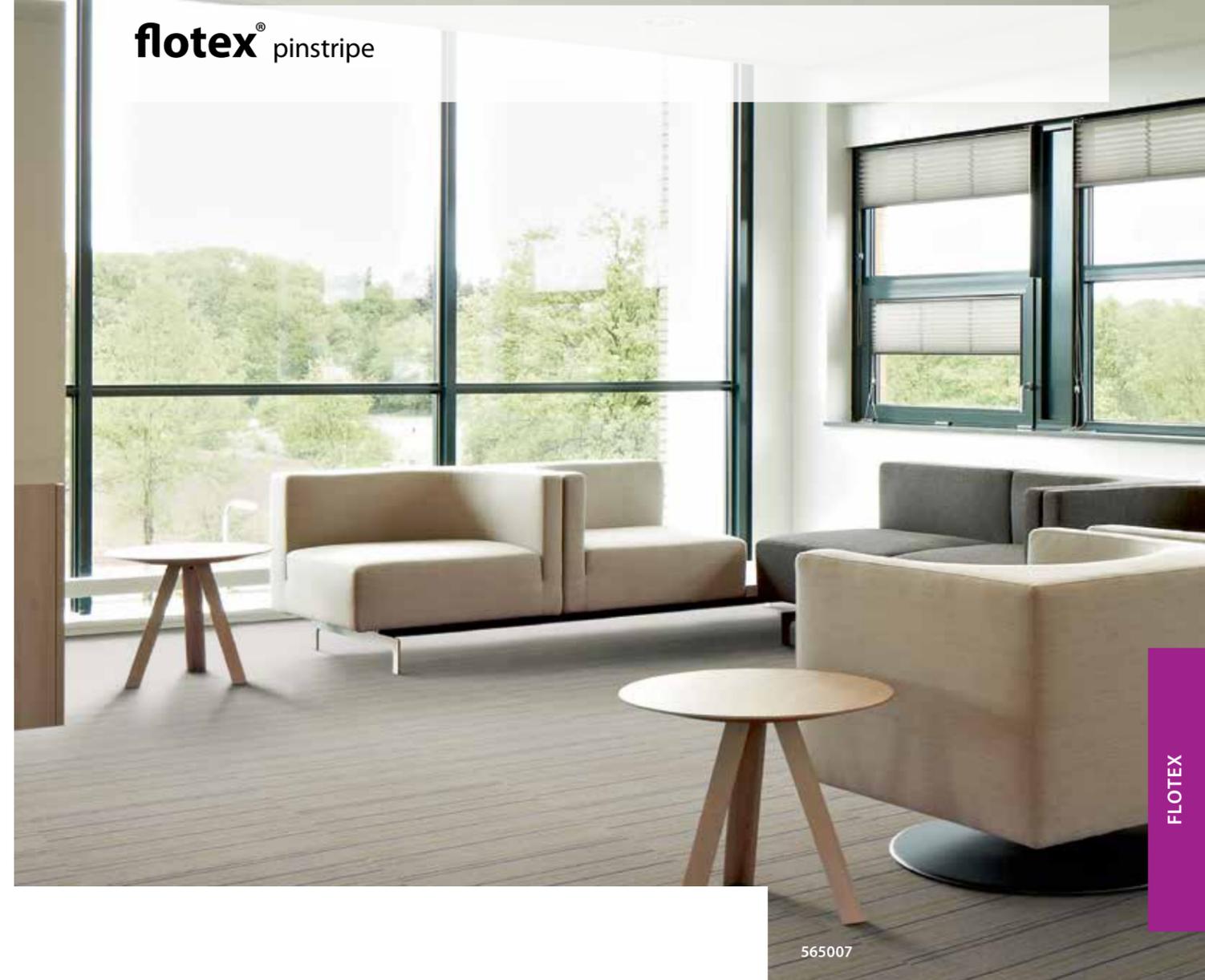
flotex® linear

Flotex Linear represents a comprehensive choice of 5 linear designs designed to work together or on their own: Integrity², Complexity, Stratus, Cirrus and Pinstripe.

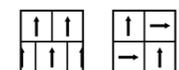
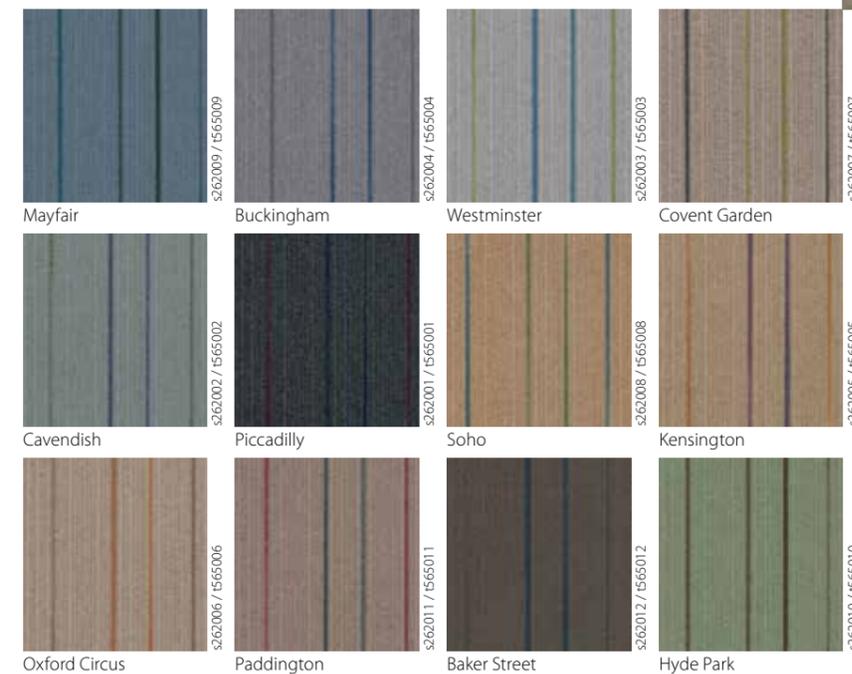
Across the 5 ranges there are sheet and tile options, most of which can be laid in a variety of fitting styles. For everyday installations, Flotex tiles can also be installed using tackifier.



flotex® pinstripe



FLOTEX

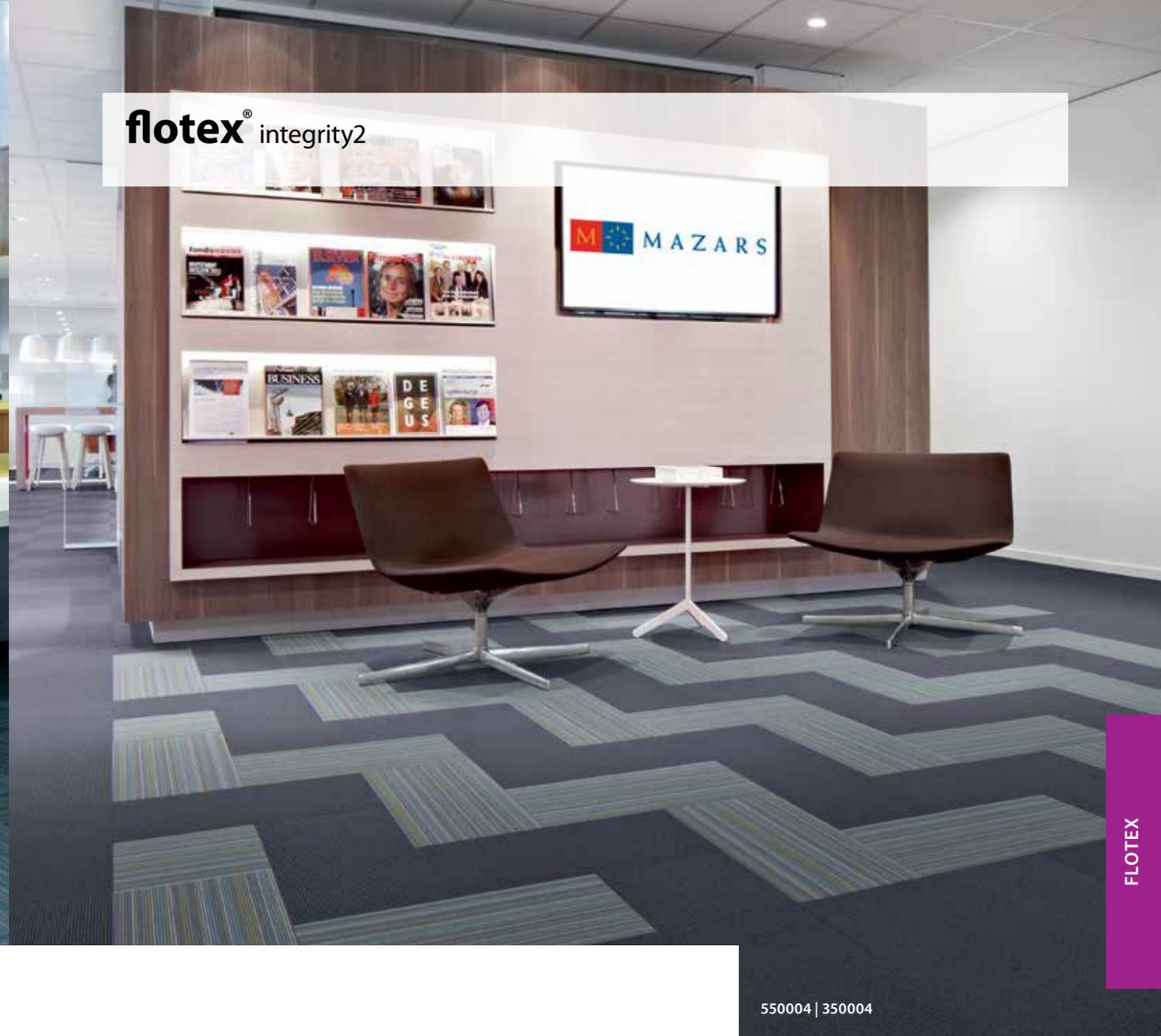


flotex® complexity



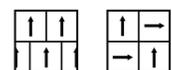
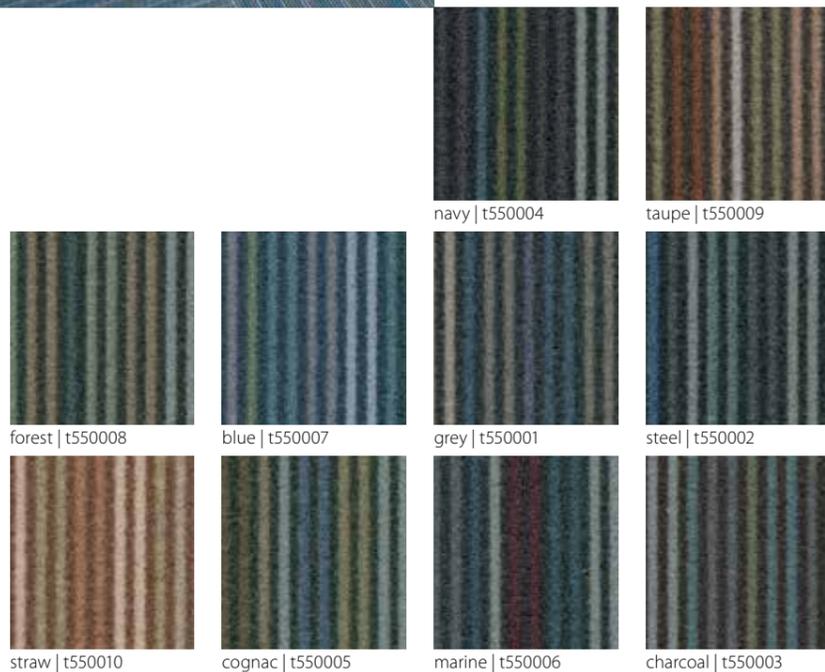
550007

flotex® integrity2



550004 | 350004

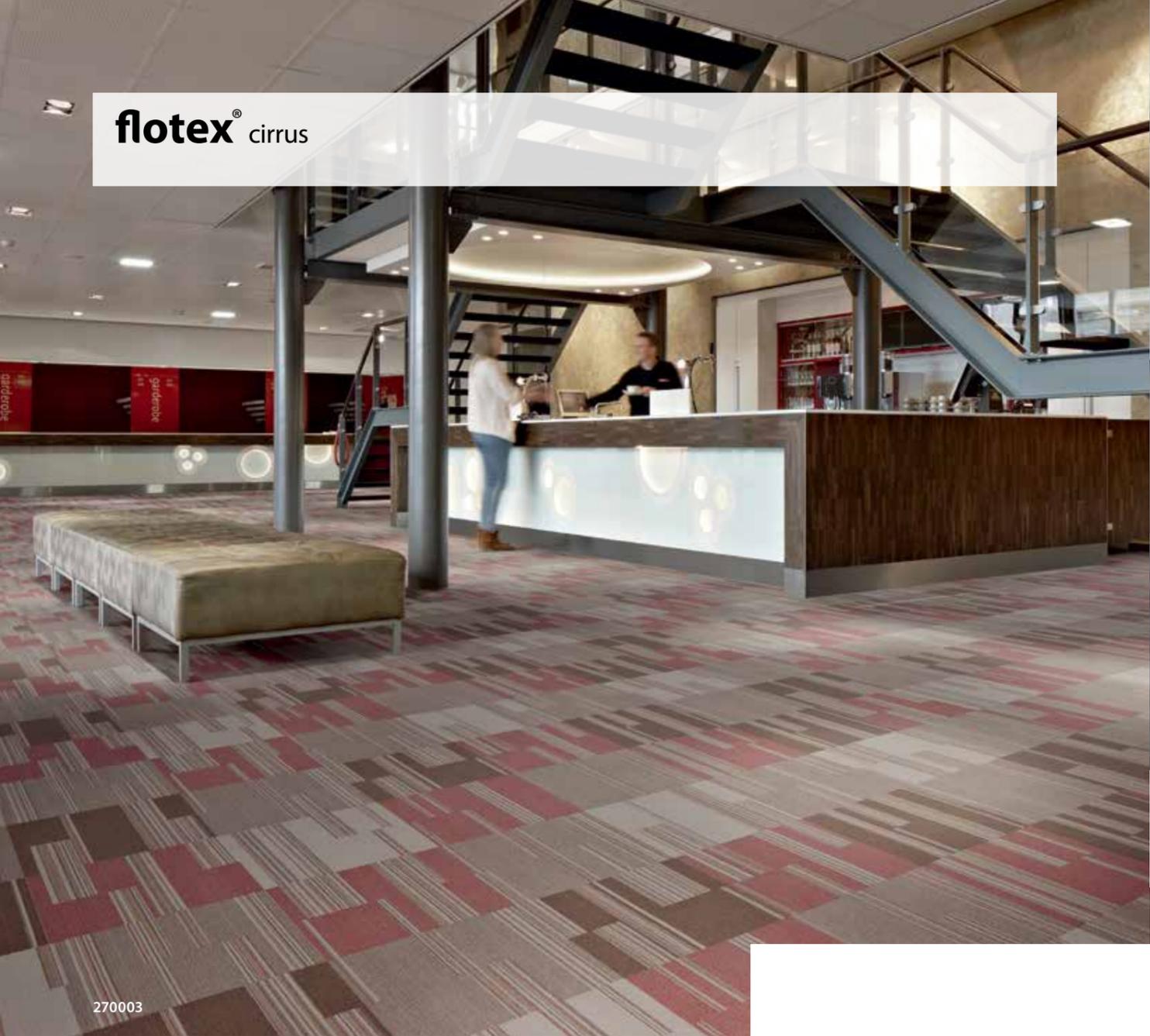
Flotex Complexity is only available in tile format.



Flotex Integrity² is only available in tile format.

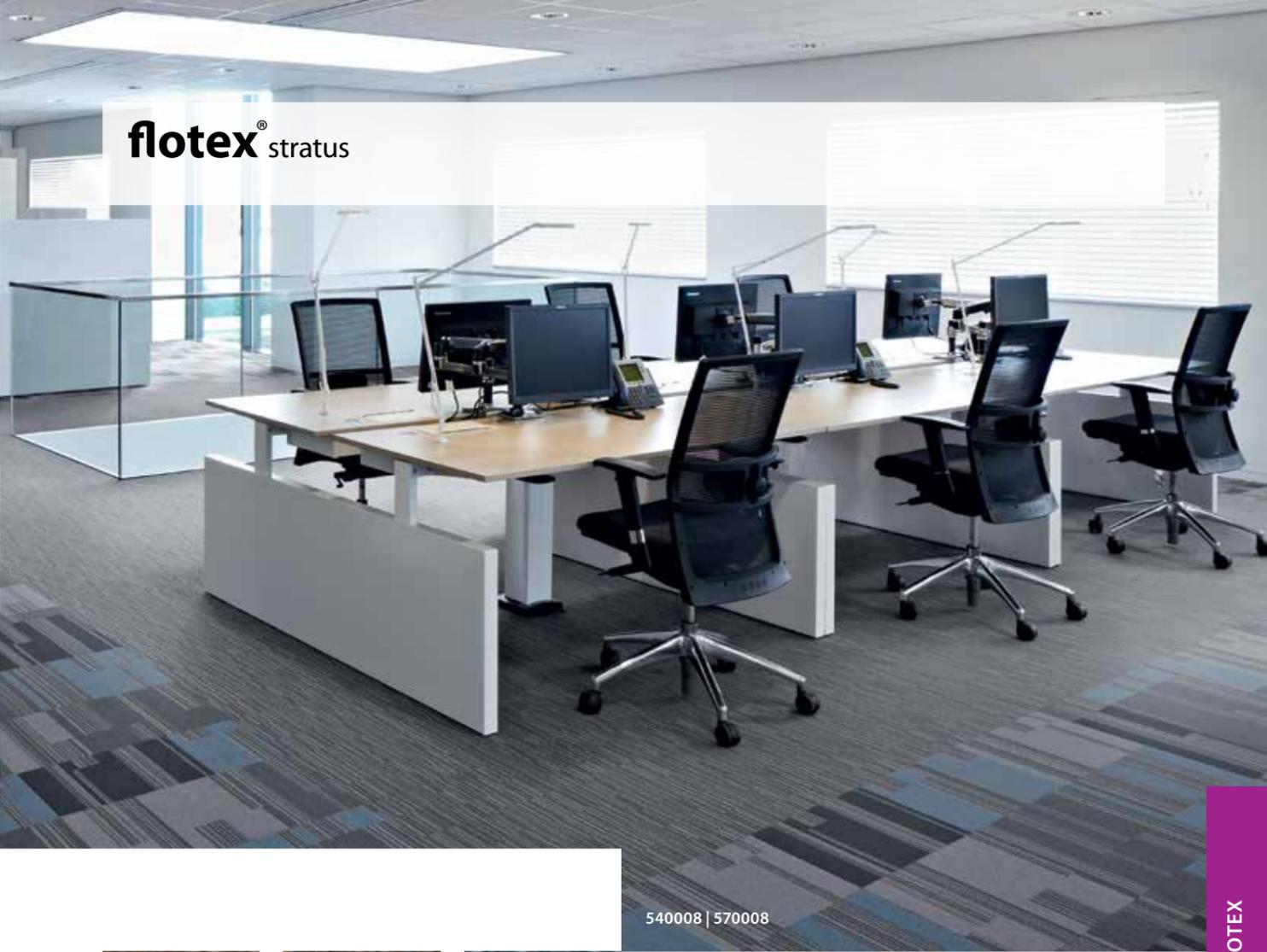


flotex[®] cirrus



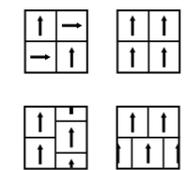
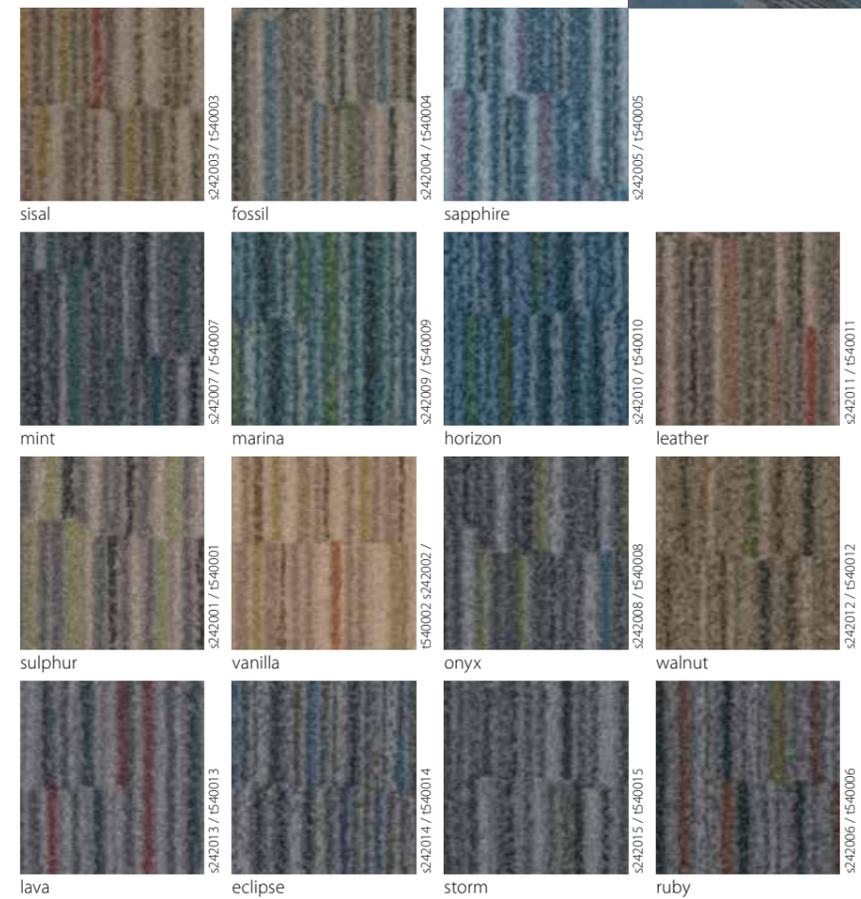
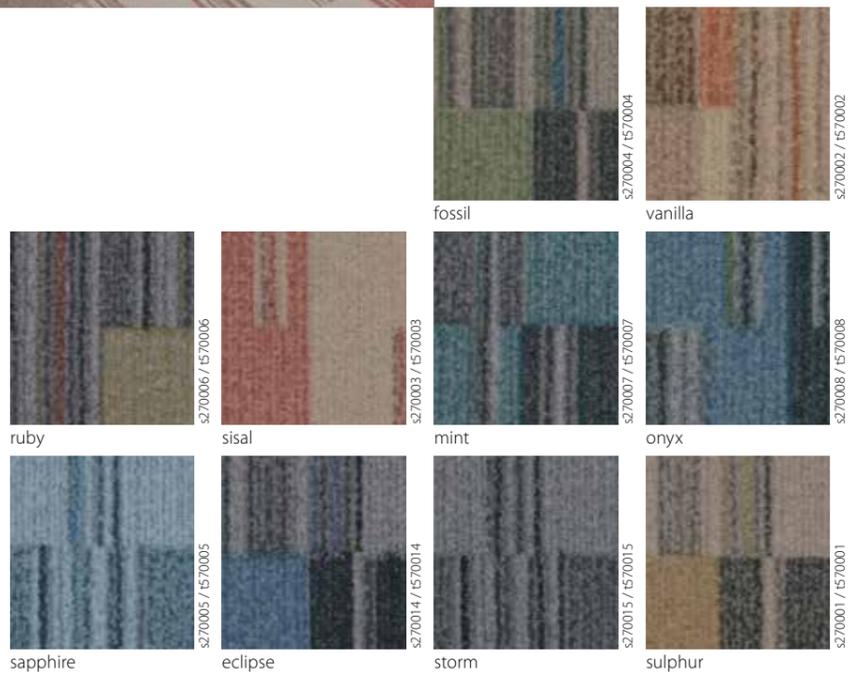
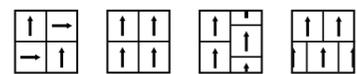
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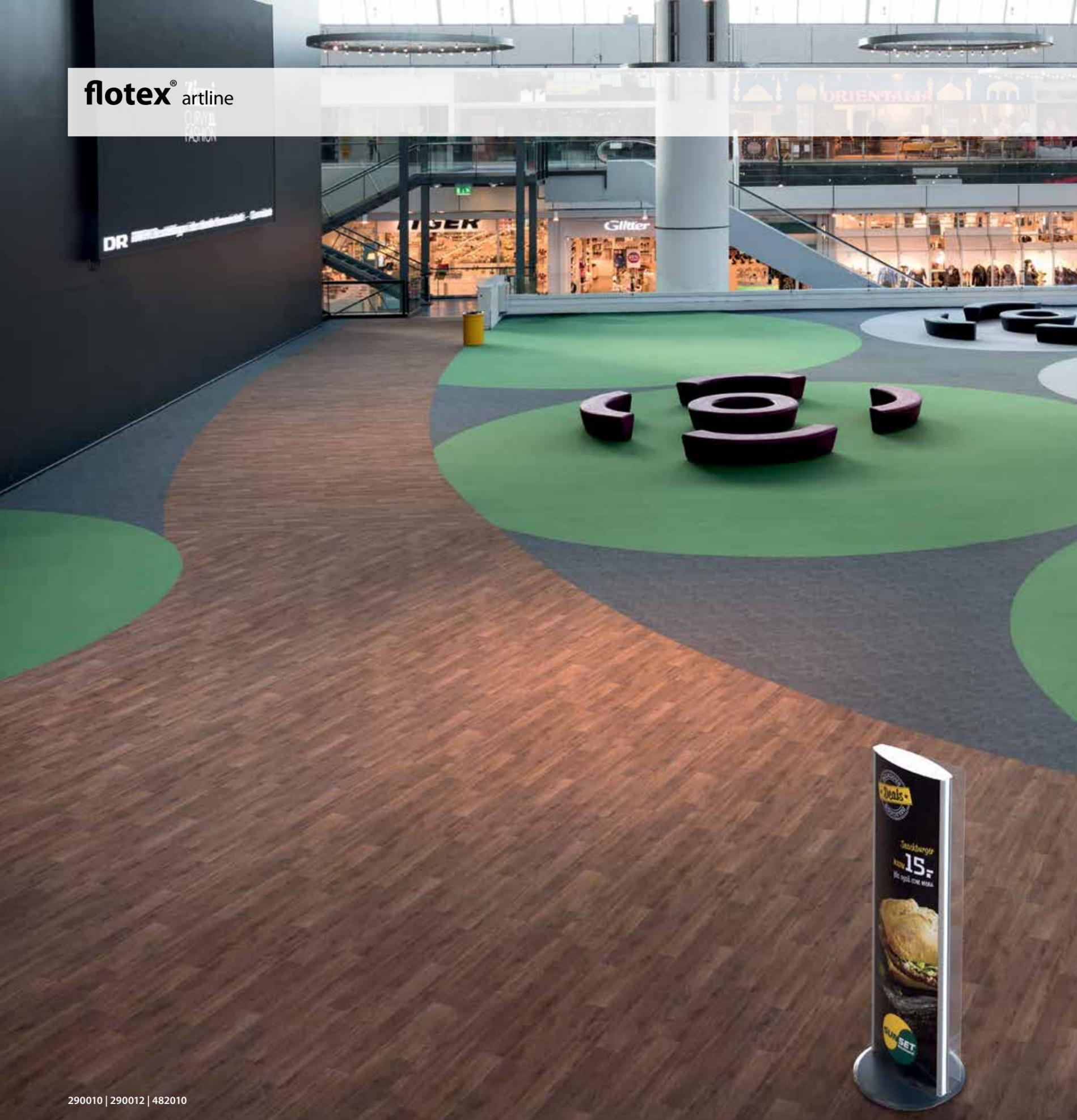
flotex[®] stratus



540008 | 570008

FLOTEX





With Flotex Artline you are able to make borders, creative features and delineators between colour ways or even different designs. Artline is available in 11cm and 22cm widths and matches the base shades of the various Flotex designs.



gold | 200099



acid | 200090



melon | 200072



brick | 200073



berry | 200083



cinnamon | 200094



tangerine | 200003



red | 200008



pink | 200091



lilac | 200100



citrus | 200085



moss | 200087



evergreen | 200088



petrol | 200007



sapphire | 200092



electric | 200096



tempest | 200110



indigo | 200016



pebble | 200076



truffle | 200093



cocoa | 200081



chocolate | 200114



nimbus | 200044



grey | 200046



ash | 200031



anthracite | 200050

THE DIGITAL WORLD OF **FLOTEX VISION**

With Flotex Vision, Forbo offers a **unique collection of high definition digitally printed designs**

Due to the fact that Flotex has up to 80 million fibres per square metre, it provides a uniquely high density substrate for printing. As a result vibrant designs and true to life visuals can be printed in high level photographic resolutions. All desired colour shades, -tones and -hues can be achieved.

Fantastic effects

Digital print offers an infinite number of design options ranging from abstracts with an intricate colour spectre to realistic images of grass, sand or water, or any pictures projected on your floor. Create 3D depth or a "trompe d'oeil" effect on your floor. Bring nature in your room by creating a pebble beach or moss surface on your floor.

Endless design options

Digital printing is also well suited for those collections that require visual detail and effects that cannot easily be reached through conventional print. Flotex Vision contains over 600 individual items, ranging from traditional to contemporary, including many with a wide choice of colourways.

Colour your own or design your floor

Like the design, but cannot find the colour you want, or matching a design to your corporate colour scheme? Flotex Vision offers a large number of designs that can be recoloured by selecting the colours you want to use. If you don't see anything you like, or you have your own idea of what you want on the floor, we also offer a bespoke design service on request.

The **flotex**[®] digital library

Like any library the Flotex Digital library gives you an opportunity to browse and wonder about the many opportunities that Flotex digitally printed floor coverings offer to you. We also would like to give you some guidance and offer you a logic design path to the items of your taste or choice.

We have created 6 initial entries to the library, each of them representing a design direction that might suit your taste. In addition to the items in the library there also are additional options for some designs where you can choose your own colour combination. Also there is an opportunity for bespoke, unique designs, they are not part of the library but can be discussed with your Forbo sales representative.

The designs in the library will be updated and new items will be added on a regular basis. At this moment the library contains 600 different designs and colour ways.

The entries to the library are as follows:



Floral

A selection of 8 different floral designs, ranging from abstract, graphic flower motives to romantic images of roses and butterflies or flower designs that fit very well into children's daycare centres. Each of the 8 design types comes in a variety of colour ways.



Linear

8 line or stripe designs with their own characteristics, ranging from plain and simple to very complex and multi-colour.



Pattern

The intricate play of networks and patterns that provides textured floors with a clear and non-directional visual. Each design can be chosen in a number of colour ways.



Shape

A collection of organic shapes and motives that result in beautiful all over patterns ranging from contemporary to traditional designs.



Image

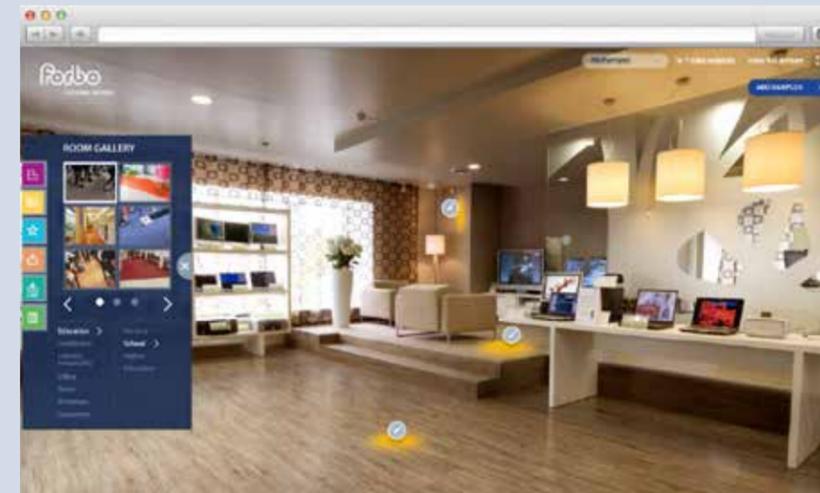
This section of the library contains a wide variety of photographic images that are transferred into interesting theme floors. Grass, sand, water drops, buttons or street maps are amongst the interesting options.



Naturals

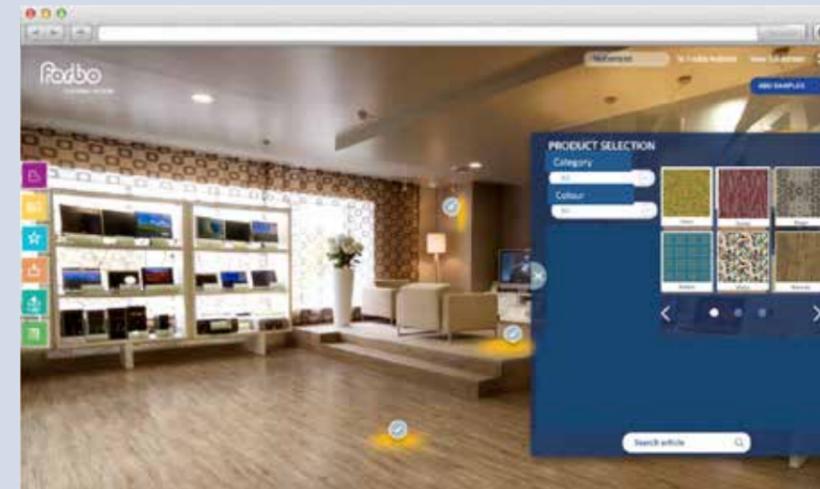
Floor images that represent materials like wood, stone, ceramics or cork floors. The design technology creates real and life like floors, with a twist for example wood planks that are acoustic and comfortable to walk on.

Go online and discover over 600 designs for your floor



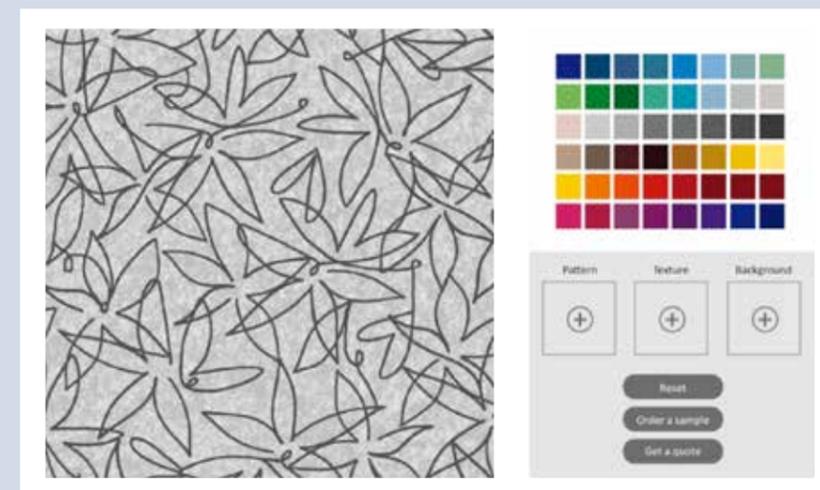
Find your design in 4 easy steps:

1. Access www.flotexvision.com
2. Choose your main design entry in the library (1 out of 6 entry options)
3. Choose the collection you like
4. Choose the colour you like... and order your sample online



View rooms in hundreds of floor designs

Explore online how you can customise your floor designs. Some designs can even be fully matched with your taste or branding colours.



Recolour designs

Some designs in the library you can colour as you wish. The colour bank offered can be used for the background and the pattern.

At the crossroads of art, design and architecture, the work of Ettore Sottsass represents the birth of non-conformist Italian design, somewhere between the industrial and the experimental. A prominent figure in Italian design since the 1950's, this ingenious free thinker sought to explore every creative avenue with a non-conformist attitude that was both assuming and audacious.

Whether designer, architect, sculptor, artist or photographer, Ettore Sottsass has left his mark and his commitment in his global view of the environment and space, through his sculptures, jewellery, artwork, furniture, and industrial objects. Today, many designers and architects emulate his spiritual heritage, radical in its stance against functionalism.

The exclusive design collaboration with Flotex was borne out of the desire to work with an innovative flooring technology and its precision HD printing brings to life the avant guard designs that clearly carry the Sottsass signature.

There are four designs: Terrazzo, Wool, Bacteria and Kasuri. These designs have features in common: irregular, apparently random and organic forms, and the "optical" features that play with scale. Thanks to the ease of printing, almost every design is possible. The collection is available in a wide range of different colourways and include hot fashion colours in strongly contrasting combinations.



flotex[®] bacteria

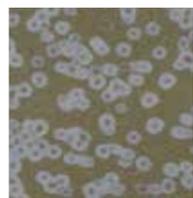


990101

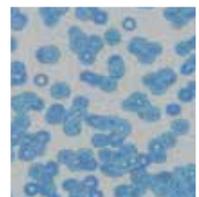
In Bacteria, Redfern has taken one of Ettore Sottsass's signature designs, created in the late 1970's, a prescient forerunner of the current modern age of nano technology and genetic engineering. Optically challenging, the design is open to wide interpretation, close up amoebic forms sway and shift, from afar it appears as a constellation of distant stars. Bacteria is available in twenty colourways on a combination of black, white and pale grey grounds.



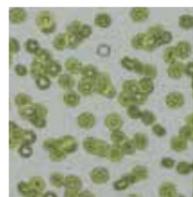
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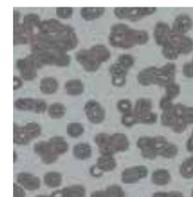
990401



990202



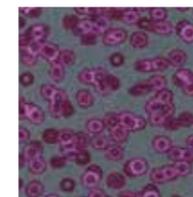
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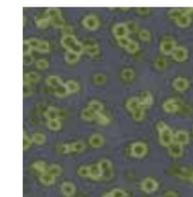
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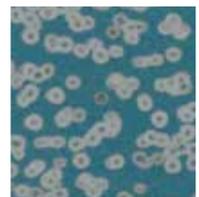
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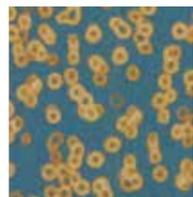
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990302



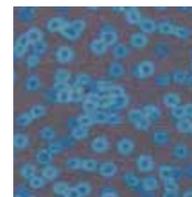
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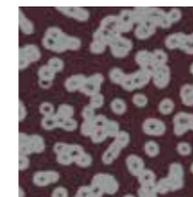
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990502



990303



990402



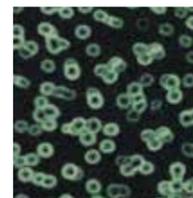
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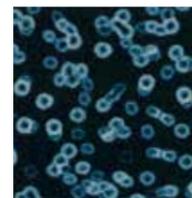
990104



990101



990102



990105



990103



990106

flotex[®] wool



990601

FLOTEX



990601



990602



990603



990604



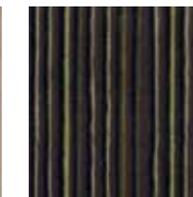
990605



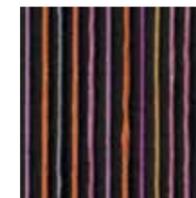
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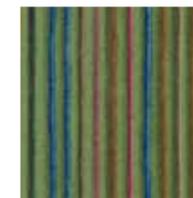
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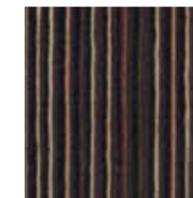
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990609



990610



990611



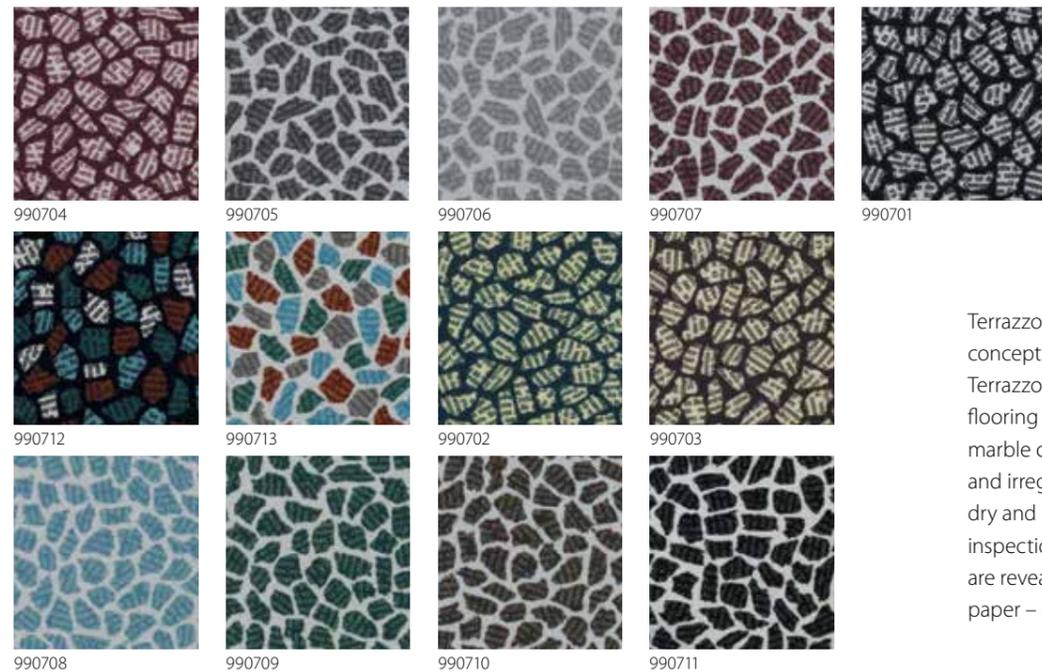
990612

The Wool design implies the texture and stranded feel of this natural material, whilst presenting a strongly impressionistic effect. Irregular coloured strands form linear (and roving) patterning, reminiscent of Bridget Riley op-art. When viewed from a distance this design dramatically shifts perspective and redefines the interior space.

flotex[®] terrazzo



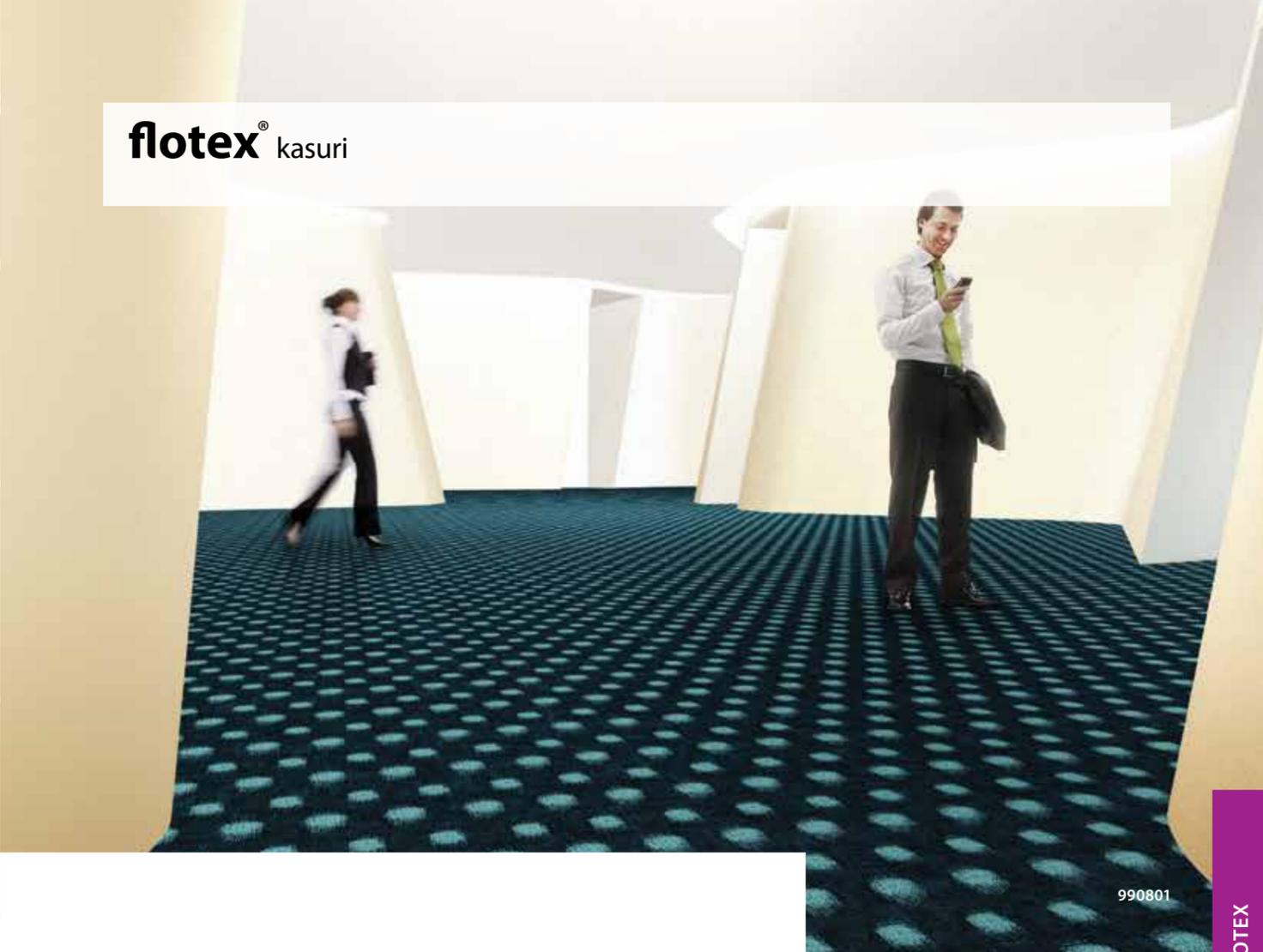
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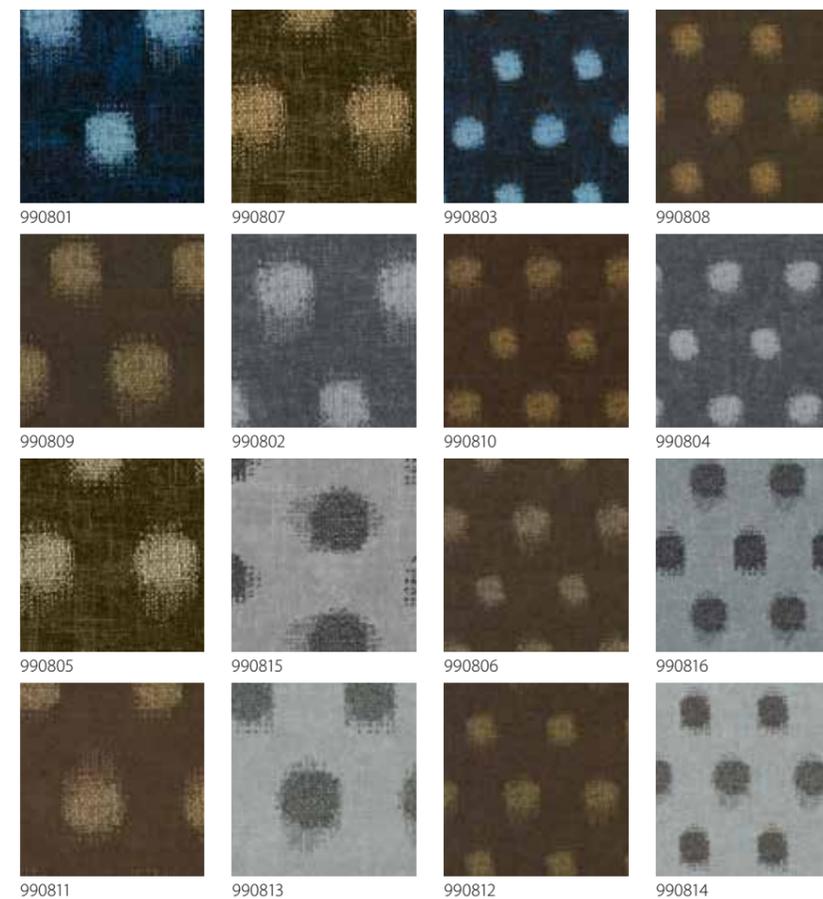
990704 990705 990706 990707 990701
 990712 990713 990702 990703
 990708 990709 990710 990711

Terrazzo is a witty “twist” on the concept of traditional Italian Terrazzo (a poured concrete flooring containing chips of stone, marble or glass with distinctive and irregular pattern when dry and polished); on closer inspection, the “chips” in Terrazzo are revealed as pieces of torn paper – each holds its own story.

flotex[®] kasuri



990801



990801 990807 990803 990808
 990809 990802 990810 990804
 990805 990815 990806 990816
 990811 990813 990812 990814

Kasuri draws its inspiration from the traditional Japanese woven textile technique used to create the eponymous fabric. Redfern uses the digital pixel in the fusion of contemporary and traditional references inherent in this design.

Technical specifications: **flotex** colour and linear

Flotex sheet and tile meet the requirements of EN 1307			
		sheet	tile
	Total thickness	ISO 1765	4.3 mm
	Commercial use	EN 685	Class 33 heavy
	Roll width		2.0 m
	Roll length		30 m
	Tile size	-	50 x 50 cm
	Quantity of tiles per box	-	12 (3m ²)
	Total weight	ISO 8543	1.8 kg/m ²
	Dimensional stability	ISO 2551 / EN 986	< 0.2%
	Abrasion resistance	EN 1307 annex F	> 1000 cycles
	Castor chair continuous use	EN 985	r = ≥2.4 continuous use
	Light fastness	EN ISO 105-B02	≥ 6
	Slip resistance	UK SRG pendulum	Dry – very low slip risk Wet – low slip risk
	Acoustical	EN-ISO 717-2	Impact sound ΔL _w = 20 dB
	Water tightness	EN 1307 annex G	Pass
	Creating better environments		
	Renewable electricity	Flotex is manufactured using 100% electricity made from renewable sources	
	Recycled content	Flotex sheet contains approximately 22% recycled content by weight Flotex tiles contain approximately 67% recycled content by weight	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor	
	Ska	Flotex meets the Ska Rating criteria for M12 soft floor coverings in both office and retail schemes	
	LCA	LCA is a foundation for securing the lowest environmental impact	
Flotex meets the requirements of EN 14041			
	Reaction to fire	EN 13501	B _{fl} -s1
	Slip resistance	EN 13893	DS: ≥ 0.30
	Body voltage	ISO 6356	< 2 kV
	Thermal conductivity	ISO 8302	0.048 m ² K/W

Technical specifications: **flotex** vision and sottsass

Flotex Naturals, Vision and Sottsass sheet meet the requirements of EN 1307			
	Total thickness	ISO 1765	4.3 mm
	Commercial use	EN 685	Class 33 heavy
	Roll width		2.0 m
	Roll length		30 m
	Total weight	ISO 8543	1.8 kg/m ²
	Dimensional stability	ISO 2551 / EN 986	< 0.2%
	Abrasion resistance	EN 1307 annex F	> 1000 cycles
	Castor chair continuous use	EN 985	r = ≥2.4 continuous use
	Light fastness	EN ISO 105-B02	≥ 6
	Slip resistance	UK SRG pendulum	Dry – very low slip risk Wet – low slip risk
	Acoustical	EN-ISO 717-2	Impact sound ΔL _w = 20 dB
	Water tightness	EN 1307 annex G	Pass
	Creating better environments		
	Renewable electricity	Flotex is manufactured using 100% electricity made from renewable sources	
	Recycled content	Flotex sheet contains approximately 22% recycled content by weight	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor	
	Ska	Flotex meets the Ska Rating criteria for M12 soft floor coverings in both office and retail schemes	
	LCA	LCA is a foundation for securing the lowest environmental impact	
Flotex meets the requirements of EN 14041			
	Reaction to fire	EN 13501	B _{fl} -s1
	Slip resistance	EN 13893	DS: ≥ 0.30
	Body voltage	ISO 6356	< 2 kV
	Thermal conductivity	ISO 8302	0.048 m ² K/W

flotex® planks

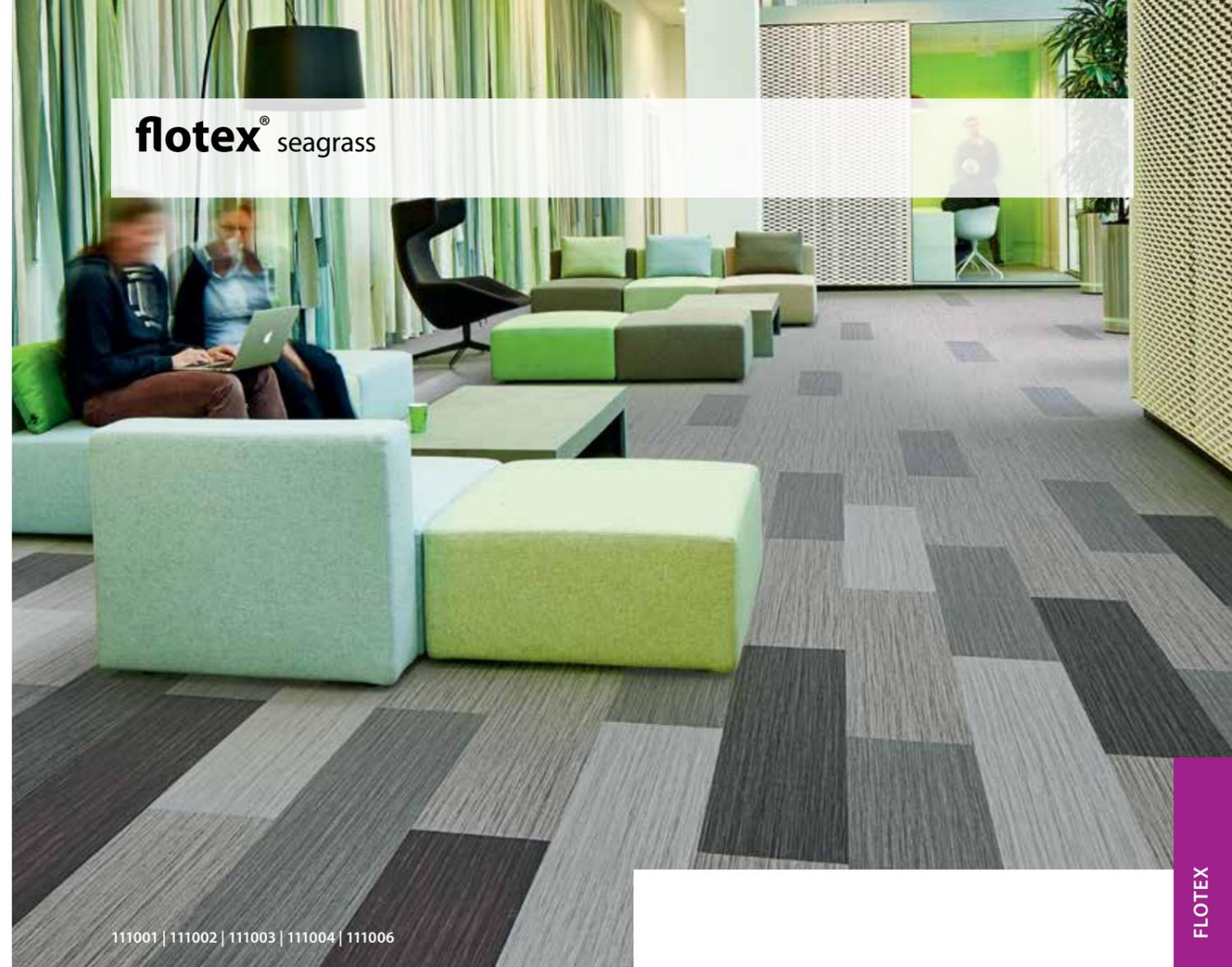
Flotex planks: sophistication & style

Flotex is neither a true textile, nor is it a resilient flooring. Its unique dense fiber construction succeeds in combining the best of both worlds: comfort & resilience. Flotex offers a flooring solution for areas where safety, hygiene and well-being are in high demand.



111001 | 111002 | 111004

flotex® seagrass



111001 | 111002 | 111003 | 111004 | 111006

Flotex Seagrass planks combine lasting performance with sophistication & style. Because of its natural and warm feel, the Seagrass design goes down well in homely environments like housing for the aged or care facilities. You can create stunning floor designs with Flotex Seagrass, whether it is laid as herringbone, brick or basketweave. Sophisticated in 1 colour, or stylish with 2 or more.



FLOTEX

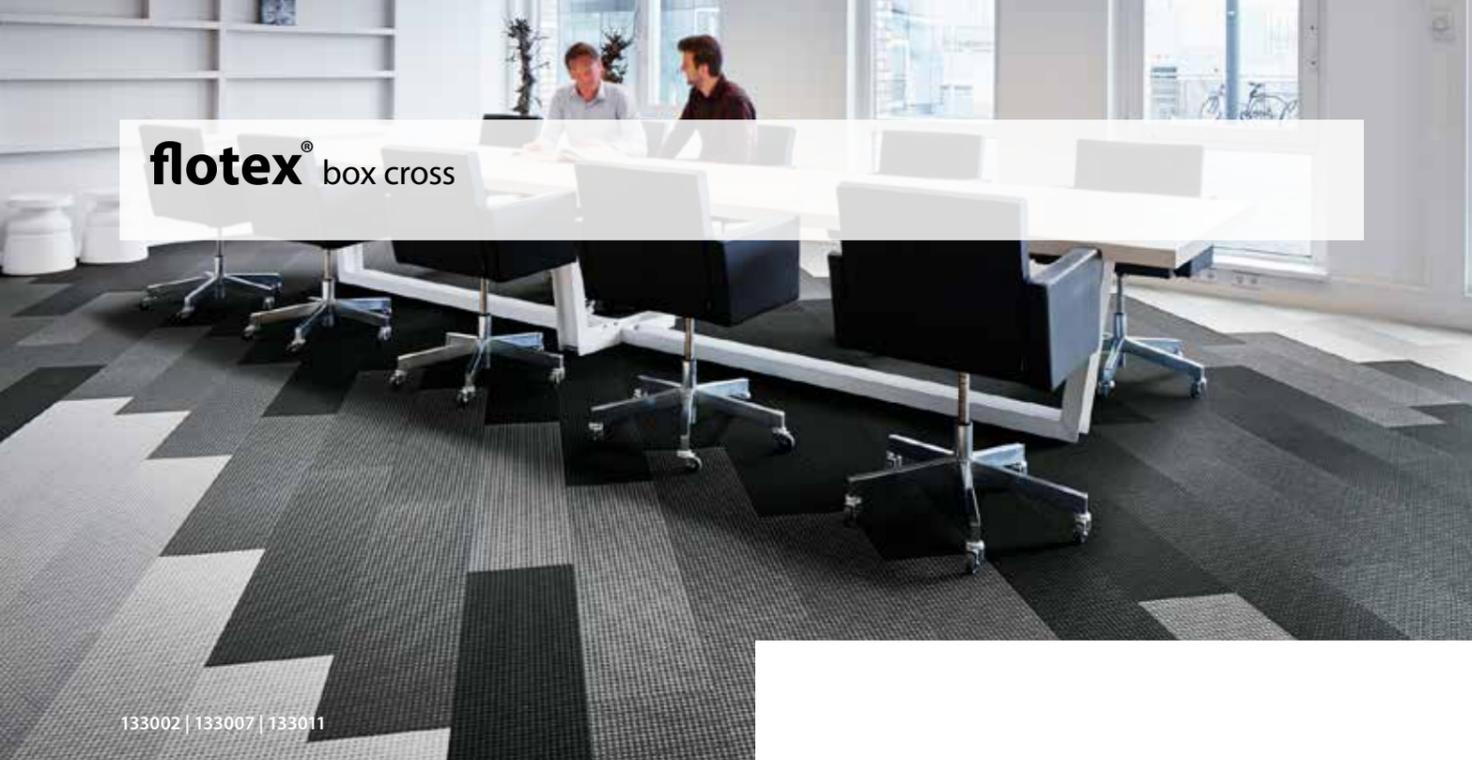


131005 | 131006 | 131011

Flotex Triad planks have an exciting graphical design and offer you the creative freedom to mix and match, combining colours and installation methods easily to customize your floor. It looks great laid brick, herringbone or basket weave and has a range of exciting colourways with highlight options and a unique embossed version to add more texture and tactility to your floor.

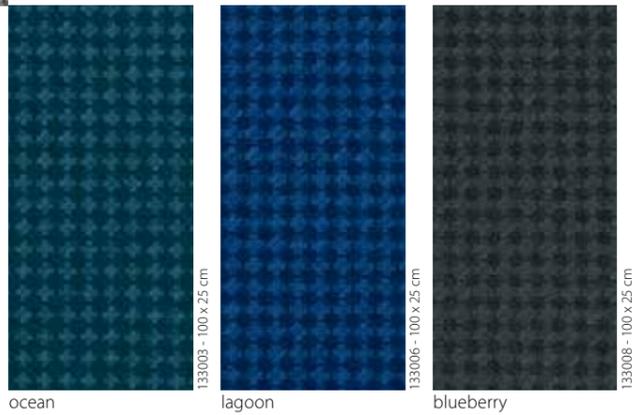


flotex® box cross

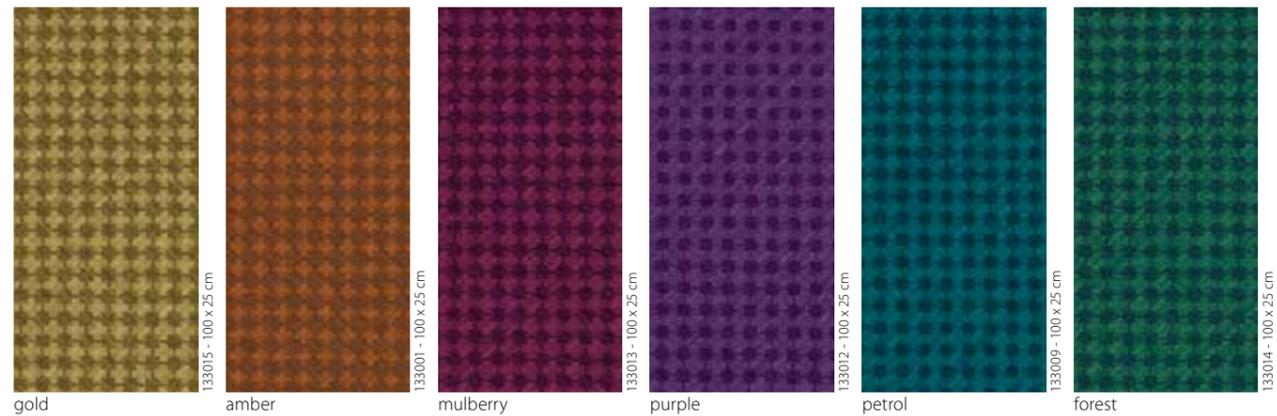


133002 | 133007 | 133011

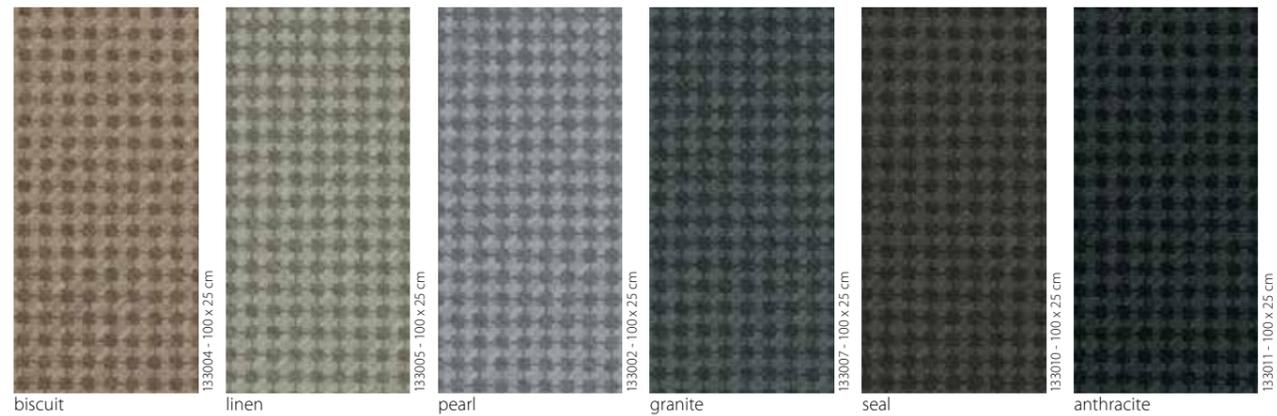
With Flotex Box Cross planks you can transform a space. With Box Cross every plank is unique. It contains a pattern that subtly changes from cross to box fading one into the other along the length whilst a diagonal texture plays across the width blending the planks together. Box Cross planks can be laid random drop and half drop.



ocean 133003 - 100 x 25 cm lagoon 133006 - 100 x 25 cm blueberry 133008 - 100 x 25 cm



gold 133015 - 100 x 25 cm amber 133001 - 100 x 25 cm mulberry 133013 - 100 x 25 cm purple 133012 - 100 x 25 cm petrol 133009 - 100 x 25 cm forest 133014 - 100 x 25 cm



biscuit 133004 - 100 x 25 cm linen 133005 - 100 x 25 cm pearl 133002 - 100 x 25 cm granite 133007 - 100 x 25 cm seal 133010 - 100 x 25 cm anthracite 133011 - 100 x 25 cm

flotex® concrete



139001 | 139002 | 139003

Flotex Concrete planks offer a concrete look like you have never seen before in flooring. Highly detailed, warm and tactile but with a durability to rival a real concrete floor. Experiment with the 4 Concrete colourways to create sophisticated combinations with a timeless look.

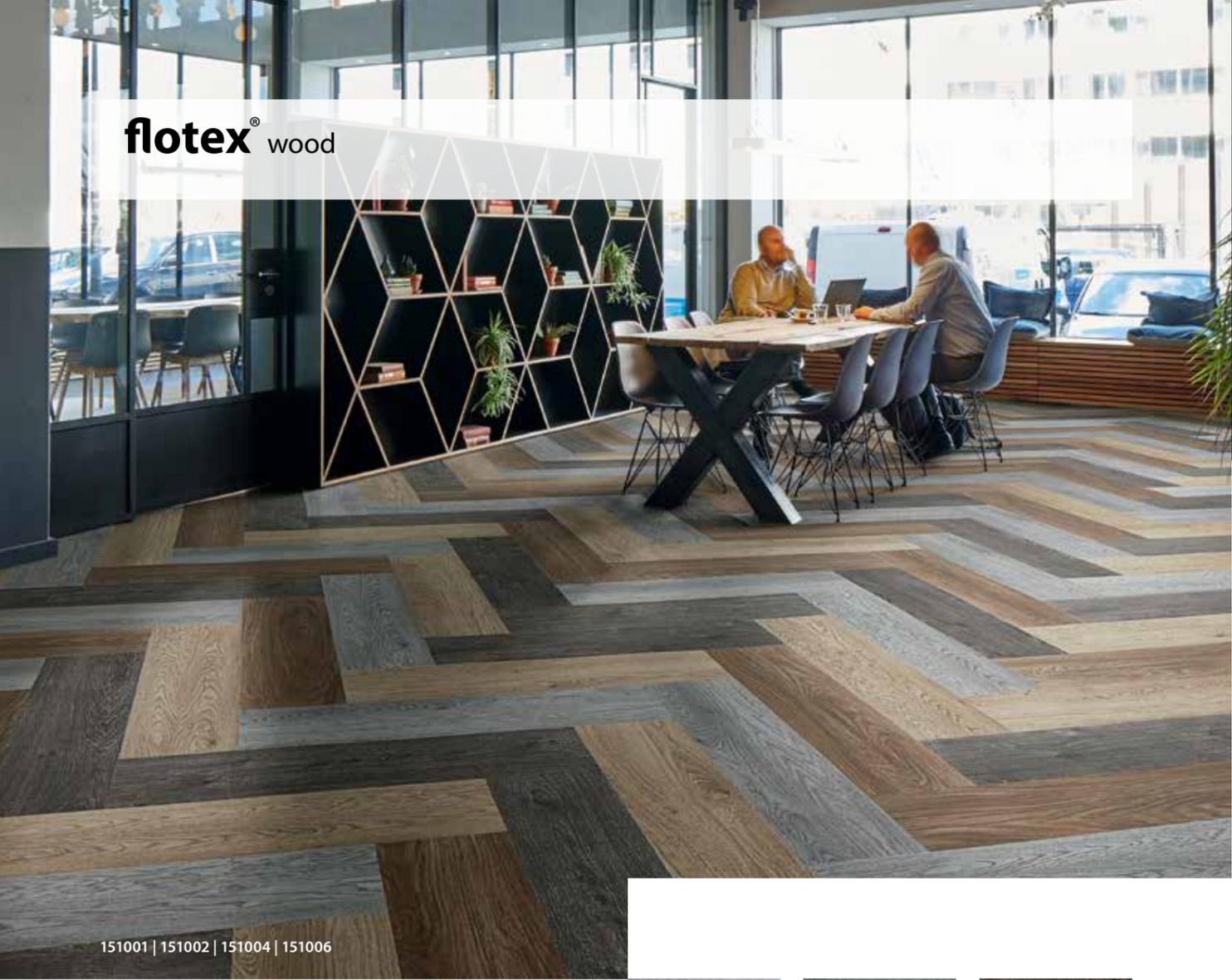


cloud 139001 - 100 x 25 cm smoke 139003 - 100 x 25 cm



thunder 133002 - 100 x 25 cm storm 139004 - 100 x 25 cm

flotex® wood



151001 | 151002 | 151004 | 151006

A wood pattern on a textile floor? You will be amazed on how it looks, feels and performs. A nice warm underfoot, no noise of ticking shoes and no wear. The ideal floor covering in offices, hotel rooms and elderly care locations. It is a mindset change. Get the looks of a real wooden floor with the advantages of comfortable textile flooring. All installation patterns are possible for Flotex Wood, use your imagination!



flotex® lava



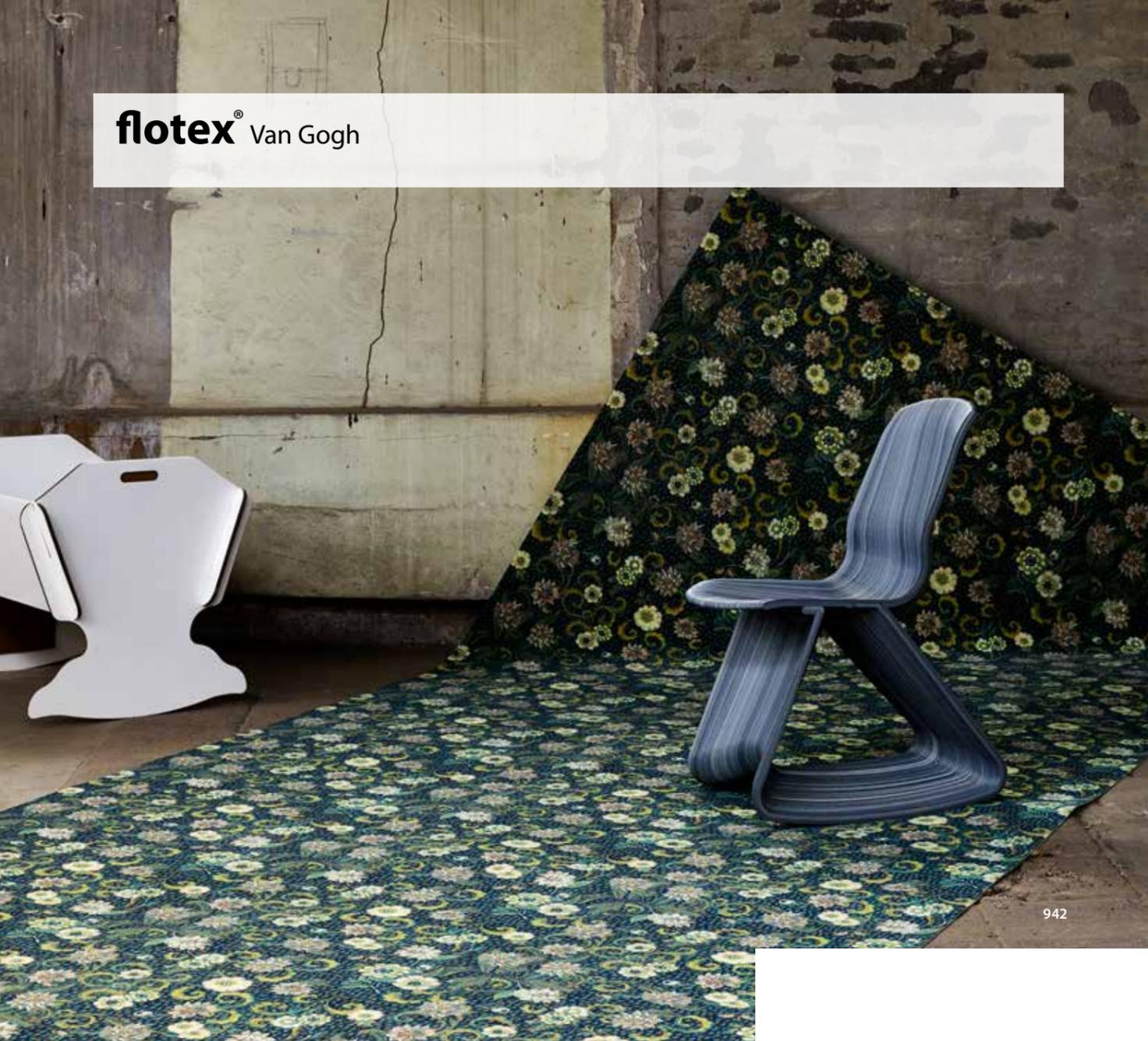
145002 | 145005 | 145007 | 145009 | 145010 | 145014

Flotex Lava planks are all about texture and colour. They give you the opportunity to define spaces, highlight areas and explore creative design combinations in every way possible. Flotex Lava offers you a large flooring choice with 18 colourways ranging from subtle shades to vibrant brights.



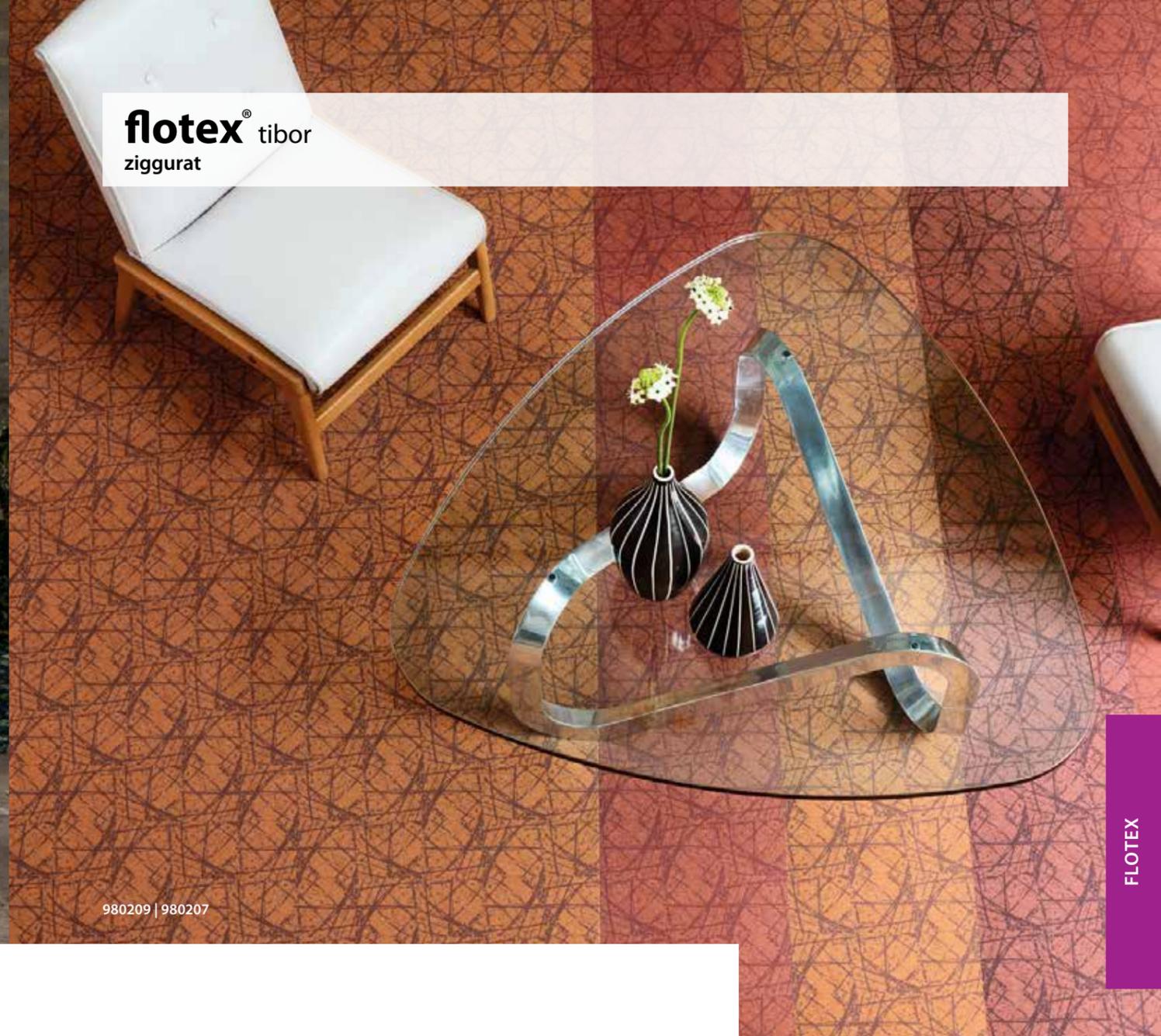
FLOTEX

flotex[®] Van Gogh



942

flotex[®] tibor
ziggurat



980209 | 980207

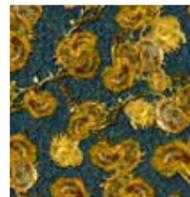
FLOTEX

Our designers have created 6 floor designs inspired by famous Van Gogh paintings. A tribute to Van Gogh, made possible by the unique characteristics of Flotex flocked flooring.

Thanks to the high density of the fibres, Flotex is ideal to print digitally and this allows for picturesque floors. Flotex is strong and durable, so despite intensive use the prints will remain beautiful over time.



942 | Lullaby La Berceuse



941 | Sunflowers



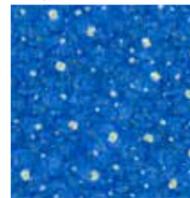
940 | Patch of Grass



943 | Postman



939 | Almond blossom



944 | Terrace at night



980211 | saffron



980207 | marigold



980203 | rust



980209 | autumn



980208 | marine



980206 | aqua



980202 | teal



980204 | raspberry



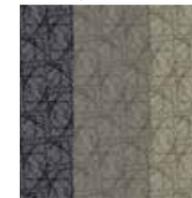
980210 | taupe



980205 | gunmetal



980201 | lead



980212 | grey

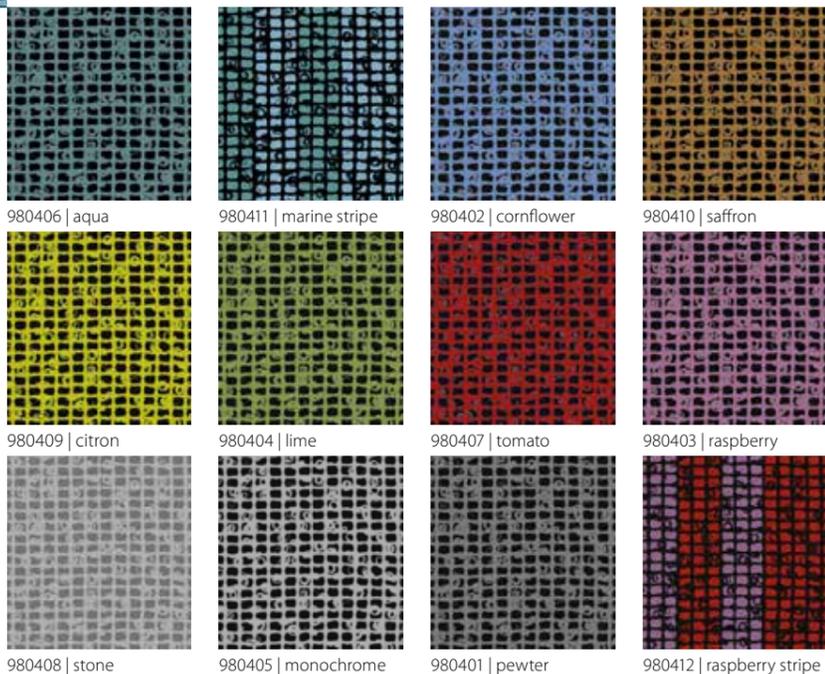
Through focusing on texture and line, Tibor's detailed photograph of straw inspired this famous pattern from the Fotexur range. The photograph was taken in the spring sunshine to give the image greater definition and the design deliberately highlights the tonal contrast between light and dark. Co-ordinating broad stripes available in two colourways.

flotex® tabor
mosaic



980406

Tabor often incorporated richly-textured 'fancy yarns' into his weaves to create tactile effects. For this pattern Tabor photographed a sheer fabric made from slub yarn. The uniformity of the grid contrasts pleasingly with the randomness of the loops. Co-ordinating stripes available in two colourways.



flotex® tabor
quartz

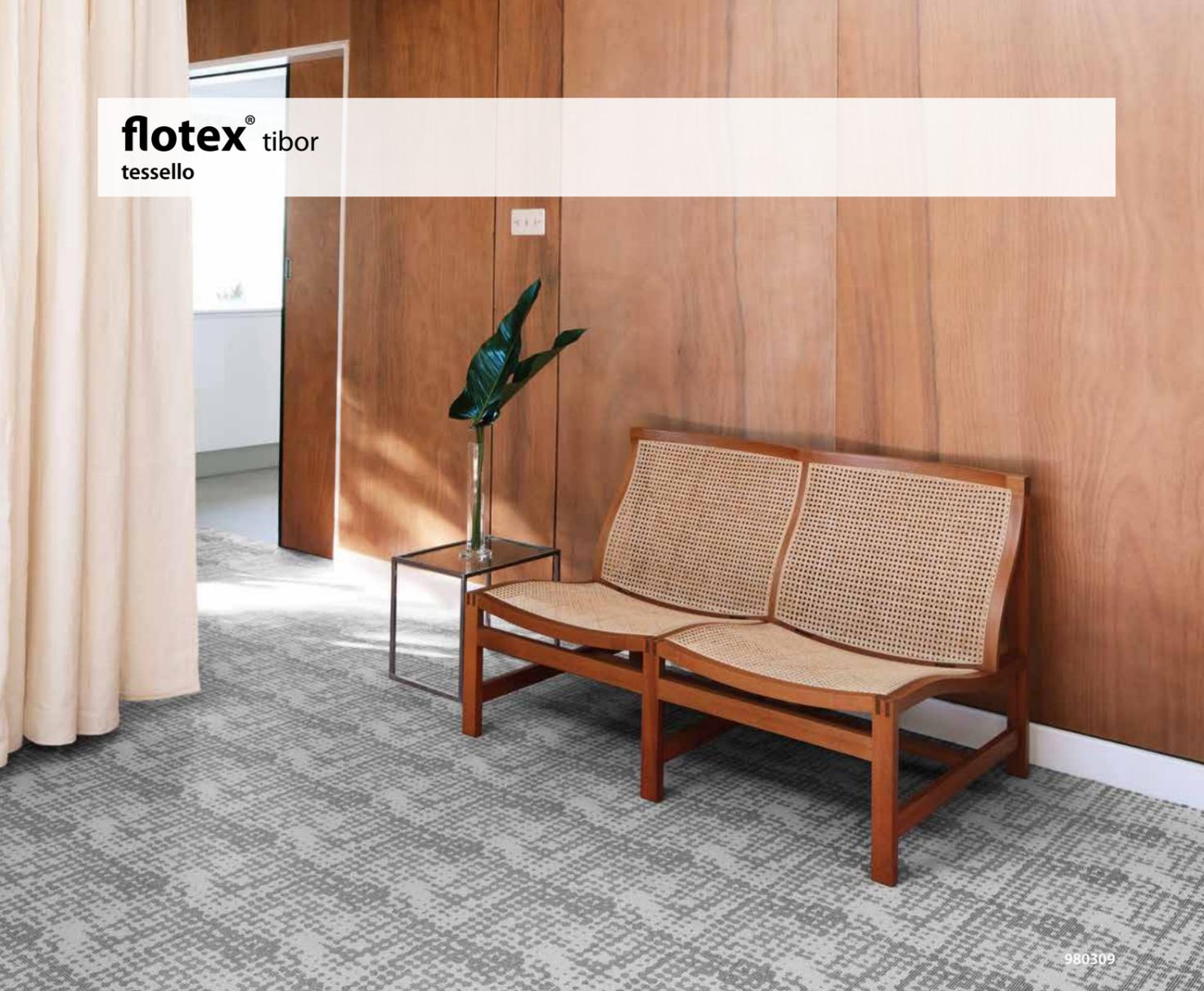


980101



The natural world provided a great source of inspiration for Tabor and he photographed it extensively. This pattern depicts the granular composition of rocks and pebbles.

flotex[®] tibor
tessello



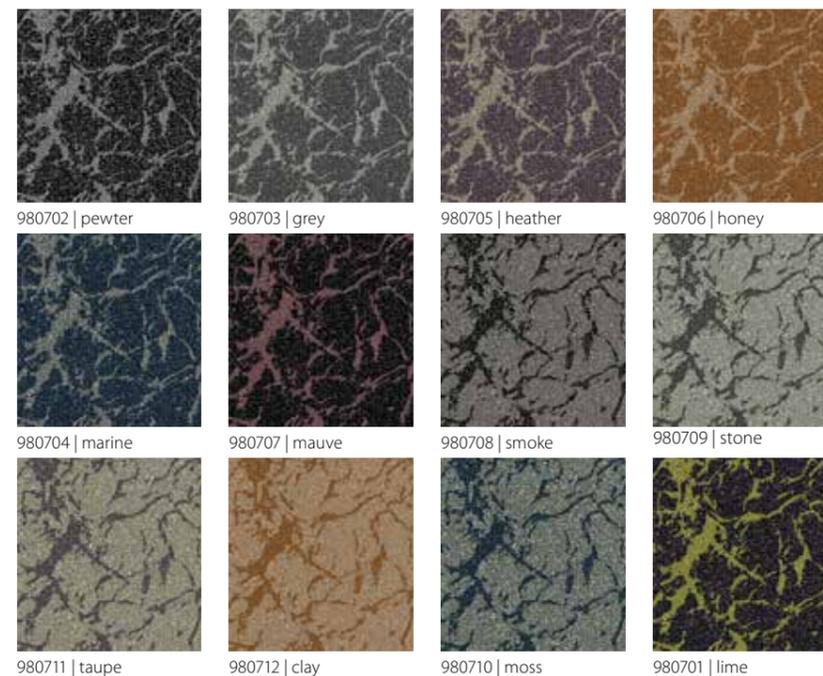
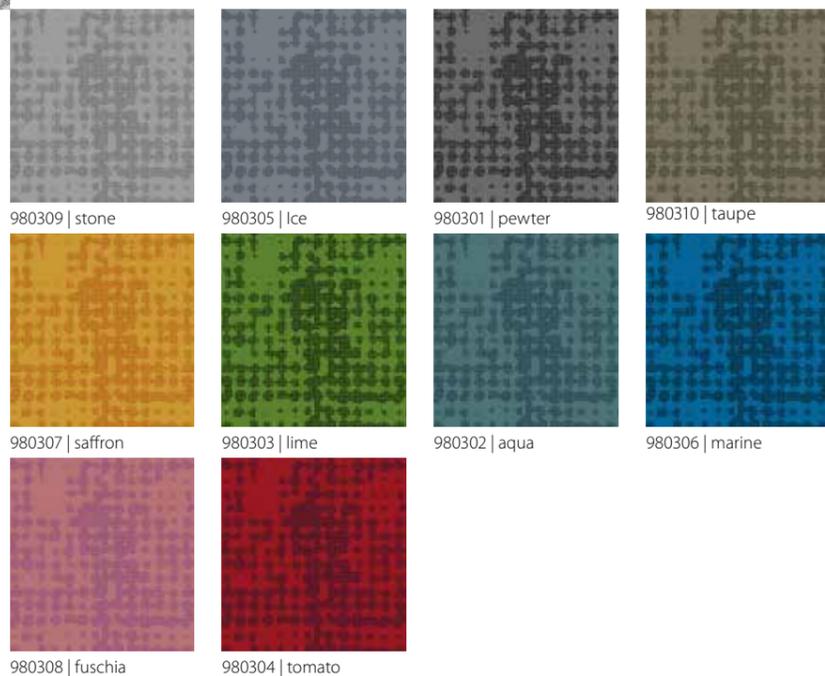
980309

flotex[®] tibor
onyx



980702

This ingenious Tibor pattern has two distinct layers: a fine mesh in the background, overlaid with a fragmented larger scale-grid. Structured yet informal, its subtle textures create a highly effective low-key flooring design.



Although this pattern resembles marble, it was actually inspired by a photograph of cracked mud in the riverbed next to Tibor's Clifford Mill. One of his most famous Fotexur designs, it was originally used for a woven carpet called Padua, so it is particularly apt that it is now being used for decorative flooring once again. The majority of colourways work in pairs as positive and negative variations.

flotex[®] tibor
tweedy



980504

flotex[®] tibor
arbor



980610

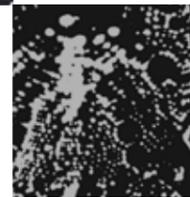
Tibor was unusual as a textile designer in creating both printed and woven fabrics. This pattern was inspired by a photograph of one of his celebrated Deep Texture weaves, in which irregular slubby yarns were used to create tactile fabrics with textural variety and depth.



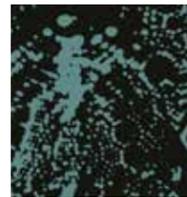
Like all Tibor's Fotexur patterns, the starting point for this design was a crisp black and white photograph taken by the designer himself. The image, recording the rough striated bark of an oak tree, is ruggedly textural, providing the perfect foil for varied coloured overlays.



980803



980803 | monochrome



980804 | aqua



980802 | saffron



980801 | raspberry

This design, derived from a photograph of an atomic structure, symbolises the period known as the Atomic Age. Part of the Colatomic range, launched in 1960, it reflects Tibor's dual interests in colour and texture. It also reflects the impact of Abstract Expressionism, which was very popular in the art world at the time.

Technical specifications: **flotex** tibor

Flotex Tibor sheet meet the requirements of EN 1307

	Total thickness	ISO 1765	4.3 mm
	Commercial use	EN 685	Class 33 heavy
	Roll width	2.0 m	
	Roll length	30 m	
	Total weight	ISO 8543	1.8 kg/m ²
	Dimensional stability	ISO 2551 / EN 986	< 0.2%
	Abrasion resistance	EN 1307 annex F	> 1000 cycles
	Castor chair continuous use	EN 985	r = ≥2.4 continuous use
	Light fastness	EN ISO 105-B02	≥ 6
	Slip resistance	UK SRG pendulum	Dry – very low slip risk Wet – low slip risk
	Acoustical	EN-ISO 717-2	Impact sound ΔLw = 20 dB
	Water tightness	ISO 354	Sound absorption = 0.10
	Water tightness	EN 1307 annex G	Pass
	Creating better environments		
	Renewable electricity	Flotex is manufactured using 100% electricity made from renewable sources	
	Recycled content	Flotex sheet contains approximately 22% recycled content by weight	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor	
	Ska	Flotex meets the Ska Rating criteria for M12 soft floor coverings in both office and retail schemes	
	LCA	LCA is a foundation for securing the lowest environmental impact	

Flotex meets the requirements of EN 14041

	Reaction to fire	EN 13501	B _{f1} - s1
	Slip resistance	EN 13893	DS: ≥ 0.30
	Body voltage	ISO 6356	< 2 kV
	Thermal conductivity	ISO 8302	0.048 m ² K/W



CARPET TILES & NEEDLEFLET



1800, 1805, 1809, 1811, 1813

UNIQUE COLLECTIONS WITH SPECIFIC PROPERTIES

Carpet tiles

Today's office environments frequently accommodate layout changes, which is why carpet tiles, with their ability to quickly adapt to new requirements, can reduce the cost of reorganisation. Where carpet tiles are installed, telephone, network, electrical and other underfloor systems remain easily accessible for these changes to be made.



Fusion bonded

Fusion bonding is a sophisticated method of carpet tile manufacture where individual yarn pile is bonded onto the backing material to make an extremely dense and luxurious product. A high proportion of the yarn is in the wear surface providing a beautiful, rich velour carpet tile which gives an excellent broadloom appearance.

The carpet tile constructions

Our collections consist of different constructions, each with its own specific characteristics. The variety of tufting - the making of loops of yarn on a ground cloth - creates different constructions.



Loop pile

Carpet tiles with a loop pile construction are designed to maintain their good looks in the most demanding heavy traffic areas of buildings such as corridors and reception areas. There are various styles of loop pile products in the Tessera range covering level loop and multi-height loop pile constructions.



Cut and loop

Cut and loop pile tiles feature a clever hybrid construction that offers all the robustness of a conventional loop pile product but with the superior aesthetics and more luxurious feel of a cut pile carpet tile.

Westbond

The Westbond product range is synonymous with total flexibility and sophistication. Blending yarns to order and manufacturing premium quality fusion bonded tiles in an almost infinite number of colourways, with no minimum order quantity, Westbond allows customers to take control of the process of designing luxurious, bespoke carpet tiles with exceptionally heavy pile weights for the most prestigious installations.

Needlefelt

The robust, hard-wearing properties of Needlefelt make it ideal for installations that meet high traffic or in those areas where chairs with castors are likely to be in use, such as in offices, administrative premises and retail establishments.



CARPET TILES & NEEDLEFELT

260 tessera

Tessera offers stylish, sustainable and hardwearing tufted carpettiles in various pile constructions and textures, delivering specific performance and aesthetic benefits.

262 tessera loop pile

Carpet tiles with a loop pile construction are designed to maintain their good looks in the most demanding heavy traffic areas of buildings, even in corridors and reception areas. There are various styles of loop pile floors in the Tessera range, covering level loop and designer loop constructions

276 tessera random lay. batchless

A random lay tile is cleverly designed so that it may be laid in any direction to produce a totally individual installation. Different production consignments of 'batchless' tiles can be used together without the usual risk of visible batch variation.

278 tessera cut & loop pile

Cut & loop pile carpet tiles feature a clever hybrid construction that offers all the robustness of a conventional loop pile floor covering but with the superior aesthetics and more luxurious feel of a cut pile carpet tile. Tessera offers cut & loop pile tiles in various aesthetic styles, for all types of environments.

282 tessera cut pile

Softer and more luxurious than loop pile, cut pile carpet tiles are ideal for boardrooms and meeting rooms in addition to general office environments. Tessera offers one tufted cut pile tile range to meet different aesthetic requirements.

290 westbond

Westbond fusion bonded carpet tiles offer infinite colour possibilities and exceptional quality and luxury from as little as 1m².

NEEDLEFELT

302 showtime

This fine fibre needlefelt collection offers a large choice of uni colours which coordinate perfectly with the printed designs allowing the demarcation of individual spaces and the creation of different moods.

324 forte

Forte is the premium product in our needlefelt range, offering the maximum feeling of comfort that comes with a fibre weight of approximately 750 g/m². Forte is an impressive premium product.

328 markant

Markant is a high-quality, coarse-texture covering made of 100% polyamide fibres, equipped with all the characteristics required for hard-wearing performance in frequently used places. Markant comes with a fibre weight of approximately 600 g/m².

TESSERA

ENORMOUS DESIGN POSSIBILITIES

TESSERA & WESTBOND CARPET TILES

Forbo carpet tiles are renowned for their aesthetic styling and outstanding performance in the most demanding heavy traffic environments. Side by side these three long established reputable brands offer specifiers and their clients an unrivalled carpet tile offer to meet every possible design brief.

Carpet tiles

Carpet tiles are renowned for their aesthetic styling and outstanding performance in the most demanding heavy traffic environments. Forbo Flooring offers a wide portfolio of carpet tile ranges, providing an extensive choice of design, colour, installation options and price points.

Tessera carpet tiles

- Colour co-ordinated for maximum design flexibility
- Quicker to install than broadloom carpet
- Installation wastage is reduced
- Damaged or soiled tiles can be replaced
- Wear rotation to extend flooring lifespan
- Renovation with minimal disruption
- Compatibility with entrance systems

Materials used:



Basis, Format and Apex 640 are manufactured from 100% Aquafil solution-dyed nylon yarn, renowned for its low dust and dirt penetration and superior colour fastness. Accordingly, Apex 640

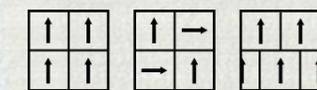


Inline is produced with 100% Universal polyamide. The use of high lustre Antron® 'metallic' yarn in Helix gives a restrained reflective quality to this distinctive multi-height loop pile tile

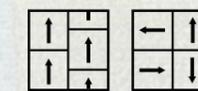


Designed for heavy contract installations and constructed using regenerated solution dyed ECONYL® polyamide, Create Space 1 carpet tiles are not only tough and durable but also respond to globally increasing environmental concerns. Up to 100% of the yarn (average 86% across the colour range) is regenerated from post-consumer and post-industrial waste streams including old carpets and discarded fishing nets.

Installation methods



Broadloom 1/4 Turn bricklay



ashlar random

tessera[®] atrium
loop pile



1460

Atrium is a heavy contract carpet tile at a very affordable price, providing an excellent choice for any office environment. A structured loop pile tile manufactured from 100% polyamide, this great all rounder offers outstanding wear performance and appearance retention, keeping its good looks year after year. Atrium comes with a broad palette of 24 bold colourways, providing an excellent choice for any office environment.



tessera[®] arran
loop pile



1500

Arran's natural, almost 'artisan' appearance belies the complexity of its multi-height textured loop pile design and the state of the art manufacturing technology behind it. Using CMC Infinity machinery Forbo's designers have developed a carpet tile with unashamedly irregular peaks and furrows which broadlooms beautifully to deliver an alluringly tactile linear design offering real warmth.



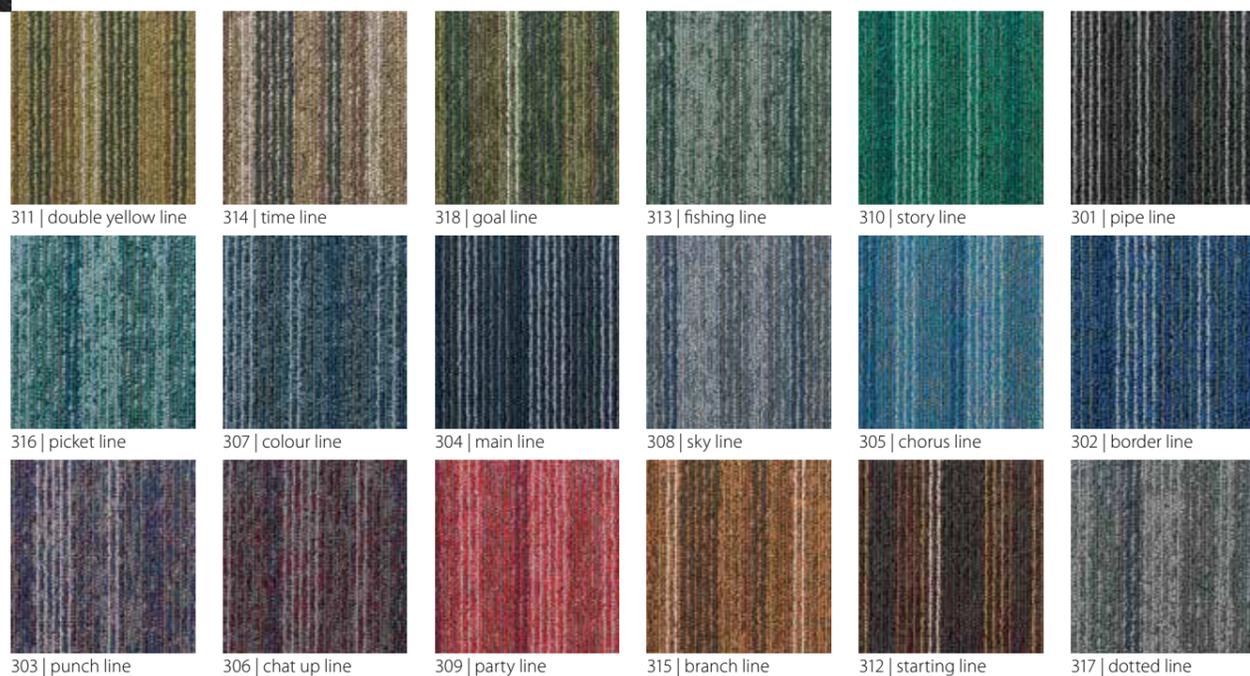
CARPET TILES & NEEDLEFELT

tessera[®] barcode
loop pile



304

Barcode challenges the uniformity and rigidity of conventional linear low level loop pile tiles and, with its confident bands of contrasting colours in varying widths, delivers a more eclectic and exuberant look that is right on trend for today's commercial environments.



311 double yellow line	314 time line	318 goal line	313 fishing line	310 story line	301 pipe line
316 picket line	307 colour line	304 main line	308 sky line	305 chorus line	302 border line
303 punch line	306 chat up line	309 party line	315 branch line	312 starting line	317 dotted line

tessera[®] basis
loop pile



Suitable for every type of commercial installation, Tessera Basis fits throughout the building, wherever an attractive and hardwearing modular floorcovering is required. Available in 18 semi-plain colourways, Basis offers an exceptionally diverse palette with classic and contemporary shades which fit beautifully with any office interior.



366 yellow	368 beige	363 sage	360 green	362 red	365 rust
359 light blue	356 mid blue	355 dark blue	352 navy	353 marine	361 rose
367 olive	364 brown	358 light grey	357 mid grey	354 dark grey	351 jet

tessera[®] format
loop pile



609

With a distinctive textured construction and a broad colour palette of 18 contemporary and commercially attractive tonal shades, Format has taken low loop pile tiles into a new dimension. This hardwearing heavy contract carpet tile, manufactured using new high tech tufting machines combines rich texture with densely packed low loops for superior aesthetic appeal and real added value. A universally attractive carpet tile suitable for heavy traffic environments in all types of commercial premises, Format boasts a high castor chair rating, making it an ideal and cost-effective solution for busy offices large and small.



tessera[®] create space 1
loop pile



1800 | 1805 | 1809 | 1811 | 1813

An exceptionally flexible range of 18 commercial colourways, Create Space 1 is suitable for any commercial spaces, large or small. Styled for today's interiors, Create Space 1 lends itself to single colourway installations, feature area designs and bespoke creative schemes.



CARPET TILES & NEEDLEFELT

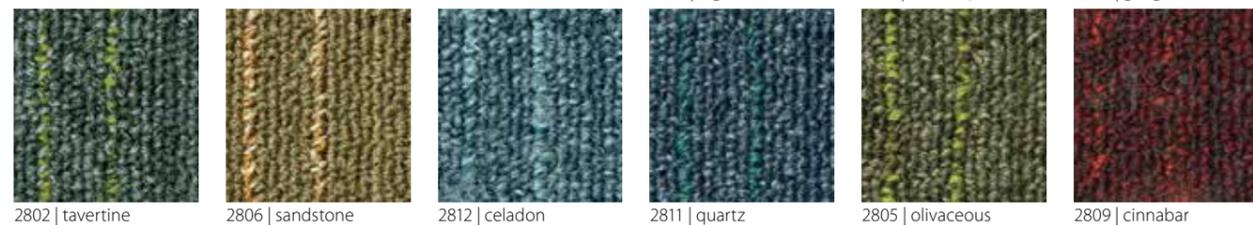
tessera® create space 2
loop pile



2805 | 1805

Featuring a versatile geometric stripe design and a contemporary palette of 15 colourways, Create Space 2 adds stylish and creative interest to any size of flooring scheme.

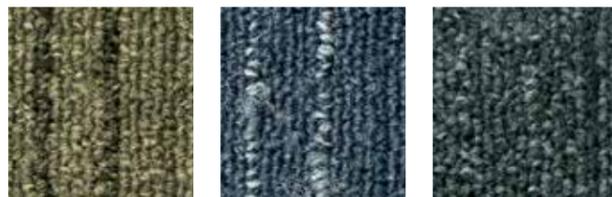
Create Space 2 carpet tiles are designed to provide the maximum flexibility in any installation as they can be fitted in a variety of styles including broadloom, non-directional (reduces installation waste to less than 2%), tessellated or half drop. Each creates a very modern and individual aesthetic.



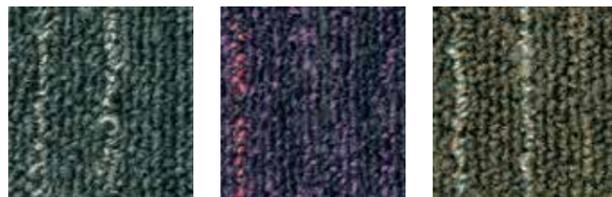
2802 | taverine 2806 | sandstone 2812 | celadon 2811 | quartz 2805 | olivaceous 2809 | cinnabar



2810 | indigo 2803 | purbeck 2808 | burnet



2807 | alder 2813 | periwinkle 2800 | licorice



2801 | argent 2814 | heliotrope 2804 | greige

tessera® helix
loop pile



812



805 | burnish

The use of high lustre Antron® 'metallic' yarn in Helix gives a restrained reflective quality to this distinctive multi-height loop pile tile. The silver coloured nylon thread is cleverly juxtaposed with Antron's solution dyed yarns drawn from a contemporary colour palette comprising greys, taupes, blues and beiges. Inspiration for these 13 muted and subdued colourways is derived from architectural materials and the hues of the modern urban landscape.



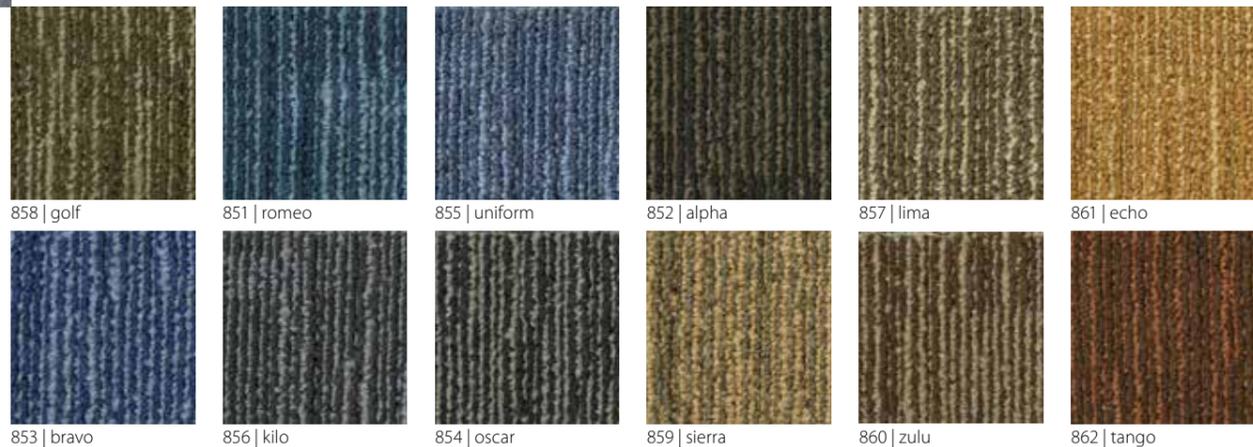
803 | clay 811 | cobalt 809 | copper 807 | glaze 808 | silica 806 | mortar
804 | taupe 812 | marble 801 | glass 813 | zircon 802 | oxide 810 | carbon

tessera[®] inline
loop pile



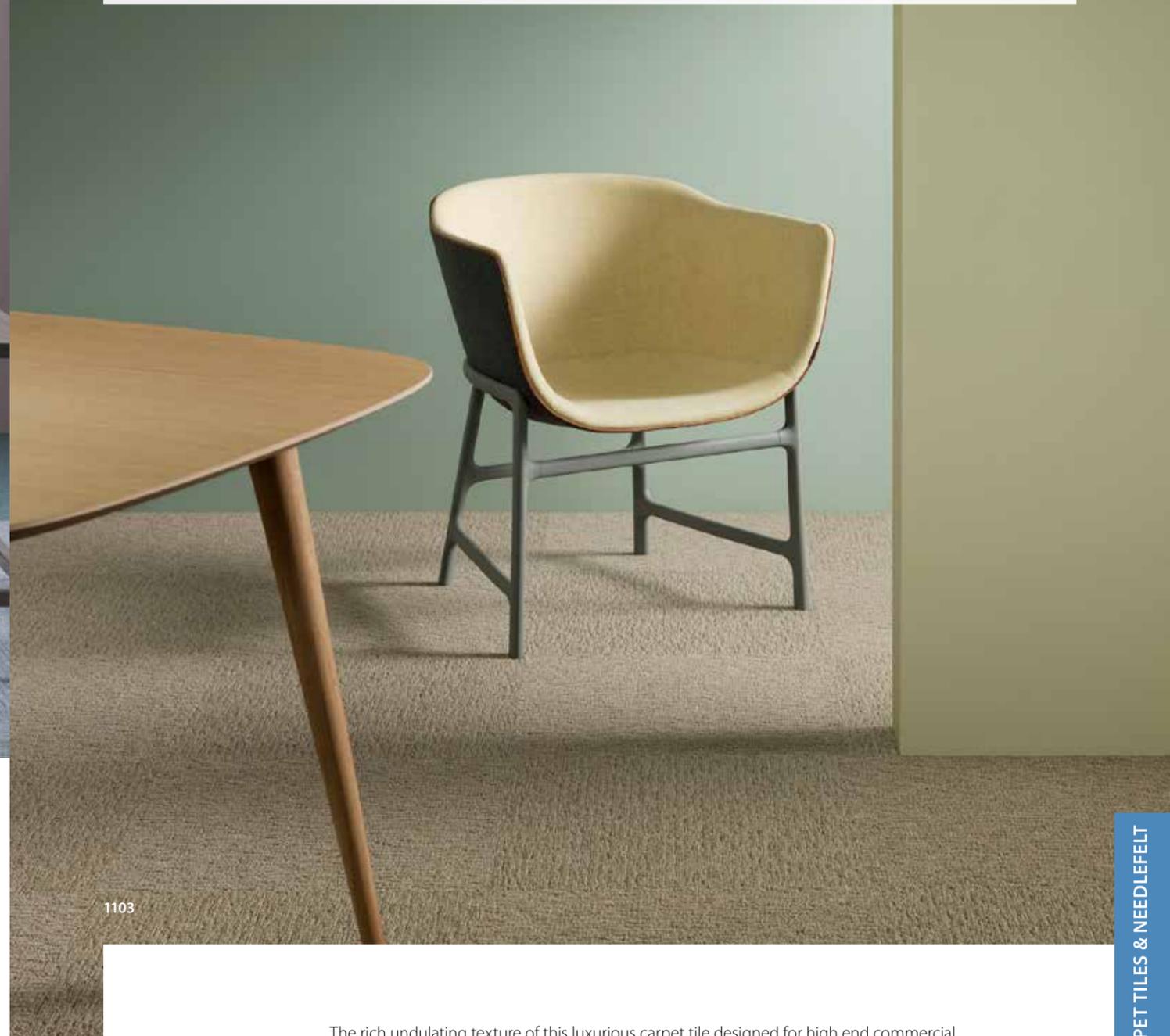
852

One of a new generation of cleverly textured loop pile tiles from Tessera, Inline adds a completely new twist to the concept of linear design. Featuring rich, differential texture. Inline provides a strong directional pattern, randomly interspersed with patches of tonal relief. This 'broken linearity' and combination of high and low level loops, delivers a visually interesting backdrop for any commercial interior design scheme. The forgiving design masks tile edges resulting in a broadloom appearance when laid in monolithic fashion.



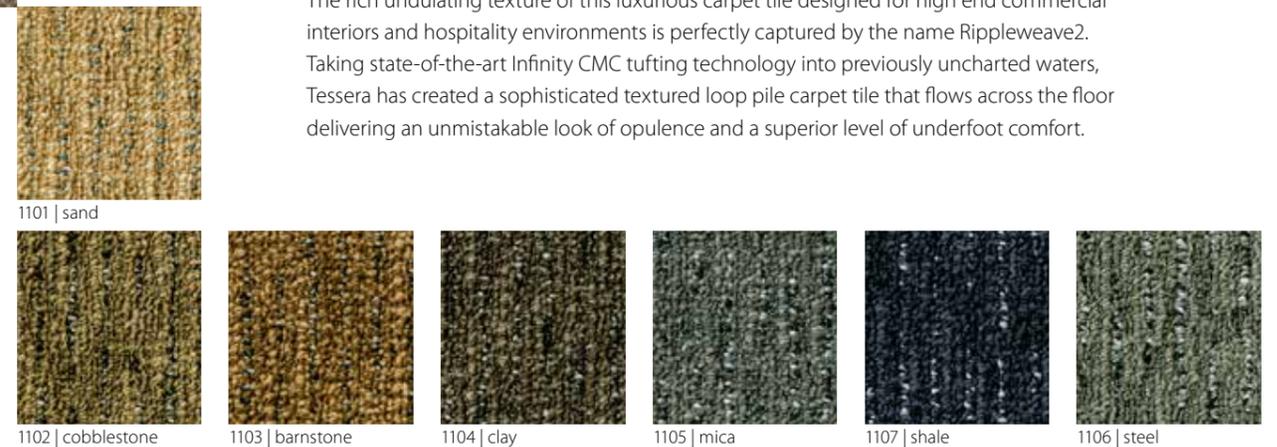
858 | golf 851 | romeo 855 | uniform 852 | alpha 857 | lima 861 | echo
853 | bravo 856 | kilo 854 | oscar 859 | sierra 860 | zulu 862 | tango

tessera[®] rippleweave2
loop pile



1103

The rich undulating texture of this luxurious carpet tile designed for high end commercial interiors and hospitality environments is perfectly captured by the name Rippleweave2. Taking state-of-the-art Infinity CMC tufting technology into previously uncharted waters, Tessera has created a sophisticated textured loop pile carpet tile that flows across the floor delivering an unmistakable look of opulence and a superior level of underfoot comfort.

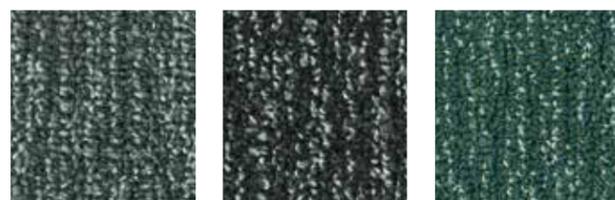


1101 | sand 1102 | cobblestone 1103 | barnstone 1104 | clay 1105 | mica 1107 | shale 1106 | steel

tessera[®] weave
loop pile



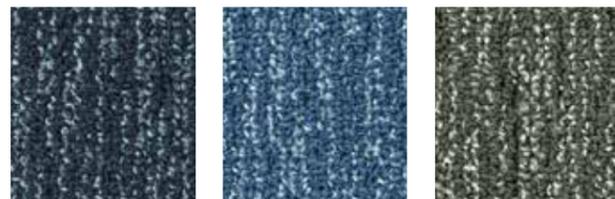
1700



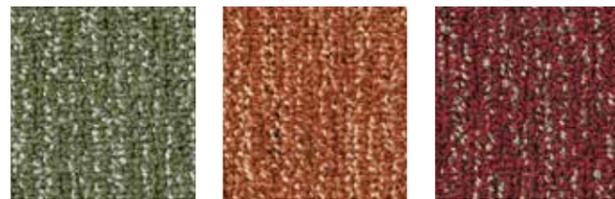
1701 | orbit 1700 | eclipse 1706 | zenith



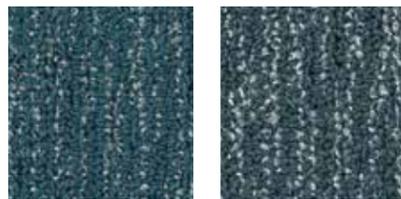
1704 | meteor 1716 | quasar 1717 | cluster



1702 | satellite 1708 | lunar 1707 | moon



1709 | meridian 1711 | solar 1712 | burst



1703 | planet 1705 | universe



1714 | crater 1715 | galaxy 1718 | comet 1713 | nova 1710 | nebular

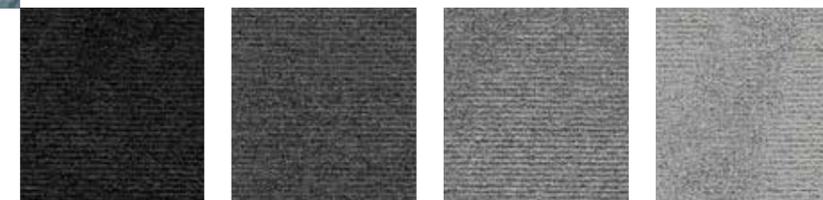
A highly versatile textured loop carpet tile, Weave beautifully combines form and function. Practical and hard wearing, Weave features a subtle directional grain which is enhanced by the use of contrasted multi-twist yarn, creating a uniquely textured appearance. Designed for use in commercial, recreational, hospitality and public interiors, Weave is available in 19 tonal colourways and is suitable for broadloom, tessellated or quarter turn installation. Weave is made from 100% Econyl solution dyed nylon 6 ensuring that the product retains its appearance throughout the lifespan of the floor.



tessera[®] diffusion
loop pile



2014



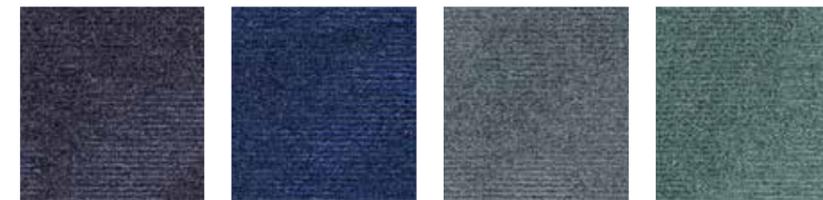
2000 | space quest 2001 | magnetic flux 2002 | paradigm shift 2003 | glacial flow



2004 | pivotal movement 2005 | nomadic journey 2006 | passing place 2007 | perpetual motion



2008 | forrest trail 2009 | continental drift 2010 | pendulum swing 2011 | border crossing



2012 | flight transfer 2013 | ocean cruise 2014 | skyfall 2015 | arctic voyage

Tessera Diffusion carpet tiles reflect an evolution towards softer, more organic geometry observed in nature. Inspired by crystalline structures, the fractal shapes fade in and out creating appealing contemporary floor spaces.

tessera® layout & outline
loop pile



2119 | 2112 | 2108 | 3102

Featuring a contemporary palette of 32 colours with 8 co-ordinated stripes, our Tessera Layout and Outline carpet tiles offer numerous possibilities for creative inspiration in any flooring scheme.

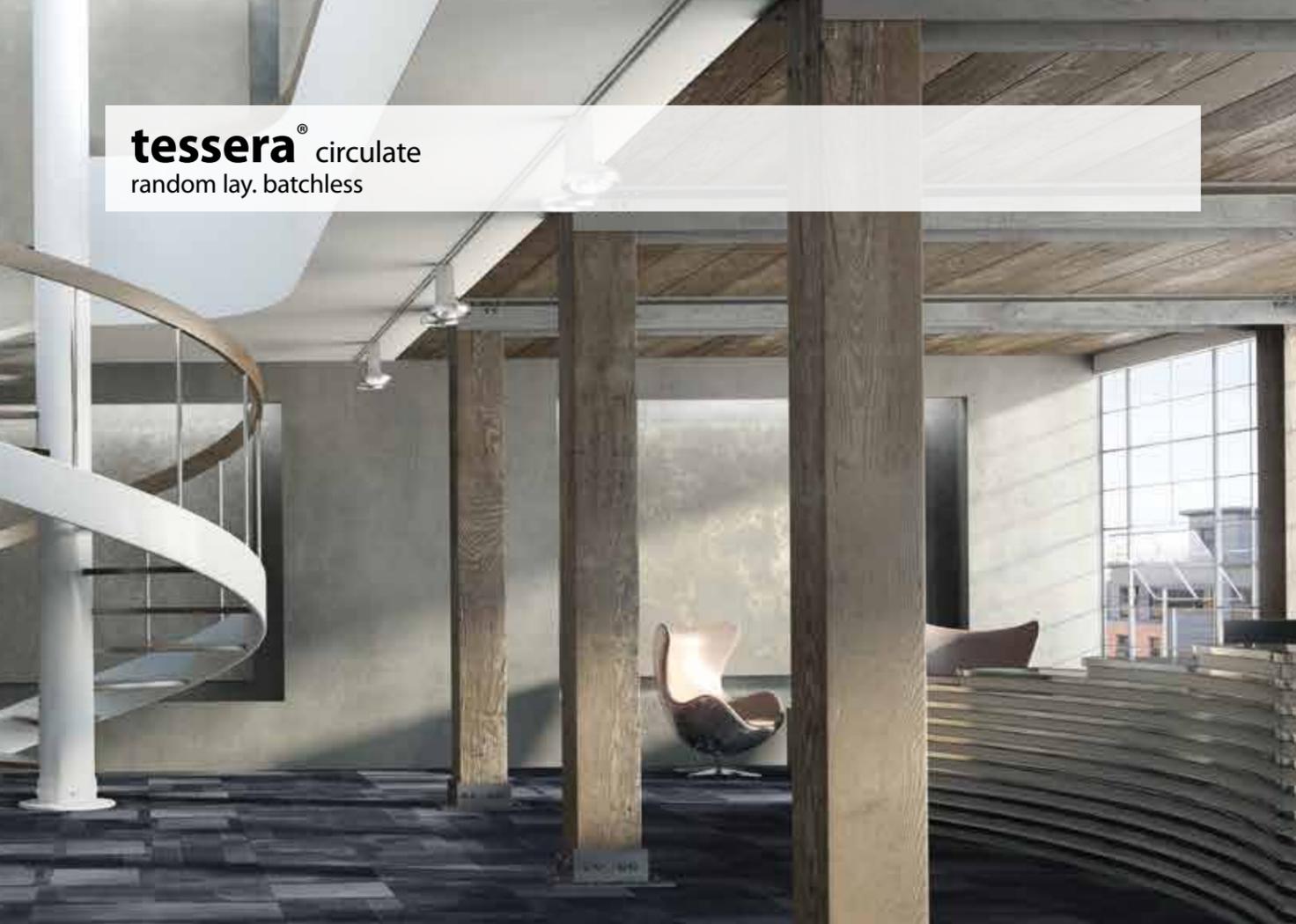
The dynamic colour palette of **Layout** is hugely versatile featuring a comprehensive choice of modern neutrals in combination with diverse and directional brighter shades.

Colours can be used independently or in combination to achieve a myriad of interior styles.

Outline is a subtly textured striped loop pile carpet tile with each colourway perfectly matched to 2 Layout colours. Combinations of Outline and Layout allow complete freedom of expression creating connections, highlights and transitions enhancing any style of scheme.

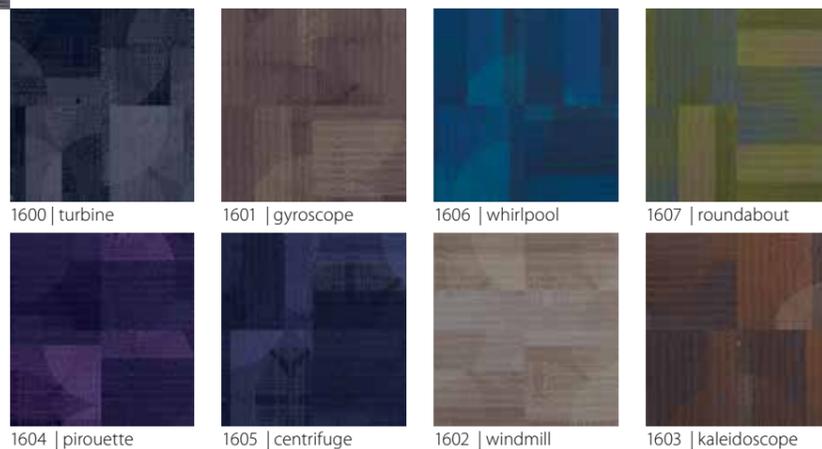


tessera[®] circulate
random lay. batchless



1600

Confident and unique, Circulate represents a fresh approach to the design of random lay batchless carpet tiles. Its random geometric aesthetic will bring life and excitement to interior floor spaces of any scale, from the narrowest corridors to the most expansive open plan environments. The random nature of the design in modular form creates contemporary floorspace environments which are modern and distinctive yet commercially attractive and highly accessible. Circulate is offered in a range of eight fresh colourways, with options available to suit all types of commercial interiors. The collection is complemented by the addition of 16 Westbond N9000 co-ordinates which offer the opportunity to enhance meeting, break-out or feature areas further.



1600 | turbine

1601 | gyroscope

1606 | whirlpool

1607 | roundabout

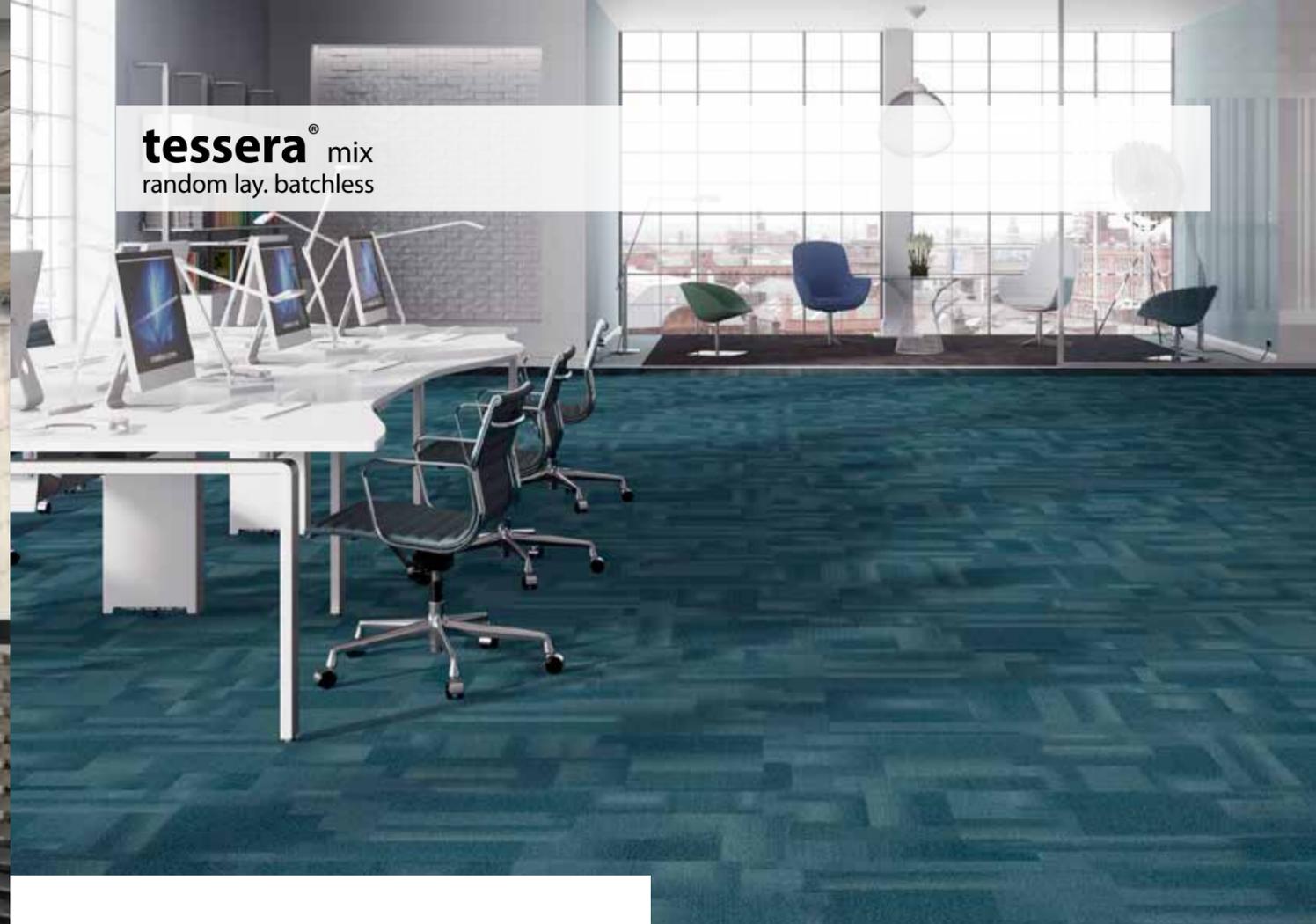
1604 | pirouette

1605 | centrifuge

1602 | windmill

1603 | kaleidoscope

tessera[®] mix
random lay. batchless



969 | 963



952 | bone

953 | canyon

954 | woodash

963 | obsidian

965 | ruby

968 | amethyst

955 | grit

966 | sahara

958 | lazuli

961 | gravel

967 | husk

967 | husk

960 | iron

964 | stone

970 | jade

An innovative, batchless, random lay carpet tile, Tessera Mix delivers a seamless installation appearance every time. Its soft geometric shapes cleverly disguise the tile edges and fitting direction and create its classic modern appearance. Mix combines tone and shade within an angular framework through the controlled use of multiple carpet construction creating a distinctive, attractive and highly complementary flooring solution. Designed for use in commercial, hospitality and public interiors, Mix is available in 15 contemporary colourways. Its random geometric aesthetic will improve interior floor space of any scale from intimate corridors to expansive open plan offices.

CARPET TILES & NEEDLEFELT

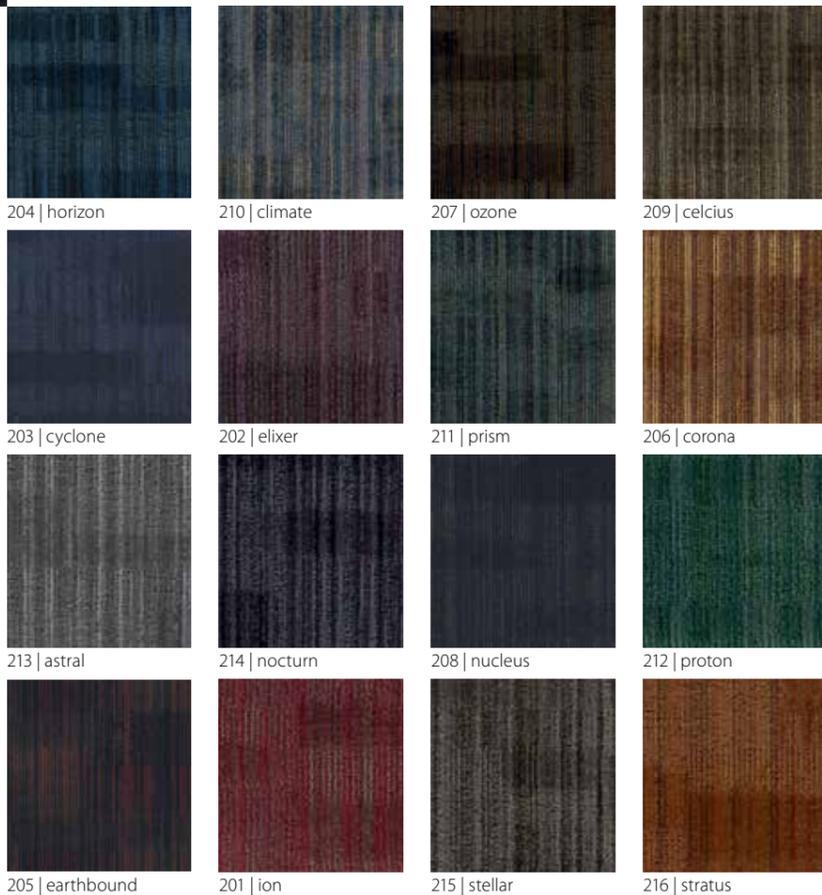
tessera[®] alignment
cut & loop pile



208

Alignment is a sophisticated and cleverly textured cut and loop carpet tile designed to complement the most contemporary commercial interiors. Multi-height loops give this distinctive floor covering a bold directional theme which is tempered by the introduction of intersecting random blocks of rich cut pile.

The result is a highly effective broadloom appearance and a unique linear style, equally suited to open plan interiors and more modest enclosed spaces alike.

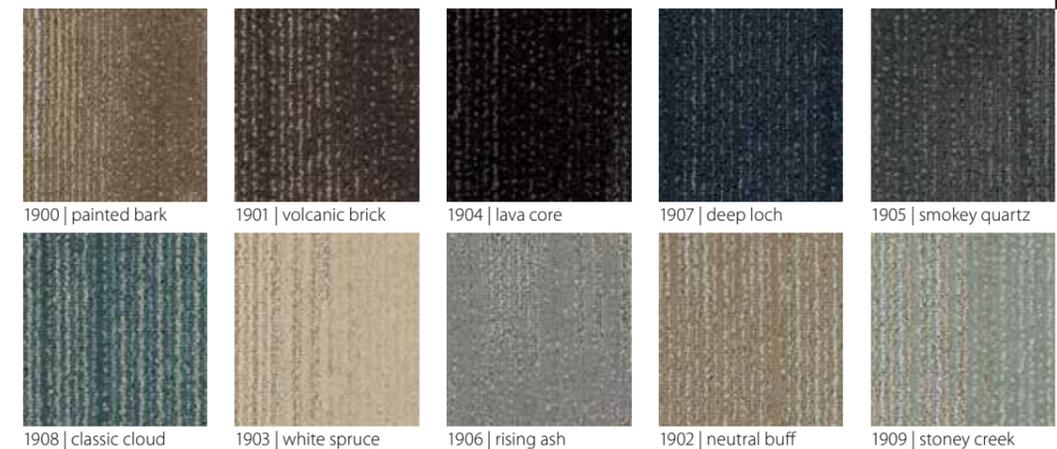


tessera[®] contour
cut & loop pile



1904

The controlled geometric background of Tessera Contour is heavily influenced by repeated shapes in architecture and urban settings. The structure is relieved and broken by a more softly striated cut pile overlay to reflect the diverse human and natural elements found in these landscapes. The palette is a tonal progression of diffused shades ranging from pale to very dark.



tessera® create space 3
cut & loop pile



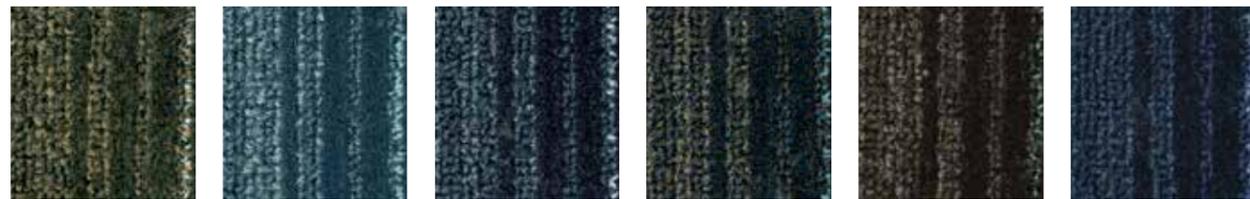
3800

Featuring a luxurious velvet stripe design and contemporary palette of 15 colourways, Create Space 3 adds stylish and tactile interest to any size of flooring scheme.

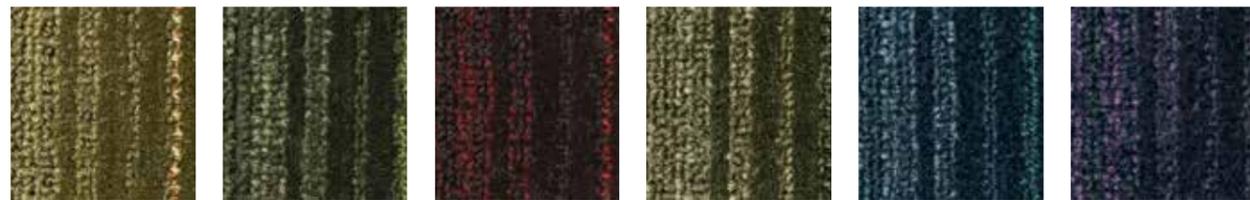
Create Space 3 carpet tiles are designed to provide the maximum flexibility in any installation as they can be fitted in multiple options including broadloom, non-directional (reduces installation waste to less than 2%), tessellated or half drop. Each creates a very modern and individual aesthetic.



3800 | agate 3801 | platinum 3802 | zinnober



3804 | flagstone 3812 | azurline 3813 | aurora 3803 | columbine 3808 | arabica 3810 | prussian



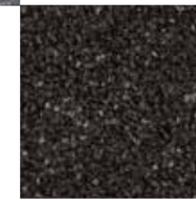
3806 | saffron 3805 | serpentine 3809 | carnelian 3807 | nankeen 3811 | verdigris 3814 | tyrian

tessera® ethos
cut & loop pile



552

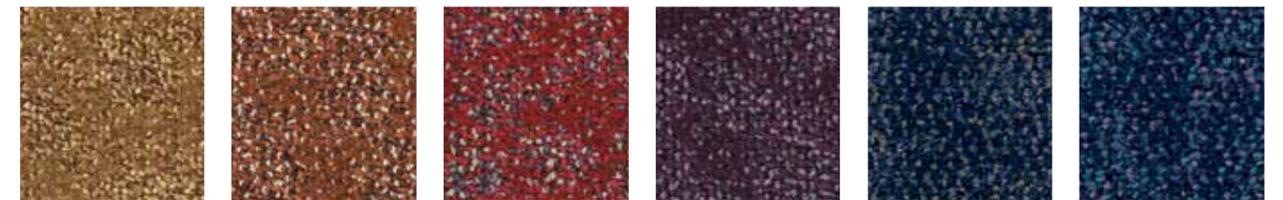
A textured loop pile carpet tile that has also been tip sheared, Ethos has a textured cut and loop effect that disguises tile edges beautifully and delivers a deceptive broadloom appearance. The cut and loop construction and the 800gsm pile weight combine to create a tile that will withstand the heaviest of foot traffic, making Ethos an ideal and practical solution for the busy office environment. The diffused visual pattern is created by a unique medley of solution-dyed yarns within the pile, ensuring that the 13 subtle colourations will not fade or dull over time, or through intensive cleaning.



562 | charcoal



568 | herb 572 | chestnut 553 | biscuit 552 | mist 569 | aegean 573 | spa



570 | pecan 571 | truffle 575 | cranberry 574 | blackberry 556 | moonlight 559 | blueberry

tessera[®] acrobat
cut pile



Acrobat combines the sheer convenience, practicality and hardwearing features of a heavy contract carpet tile with the stunning appearance and tactile benefits of a traditional cut pile carpet.

Constructed from Invista Antron polyamide 6.6 yarn, with its generous pile weight and cut pile tufted construction, Acrobat offers superior underfoot comfort and a touch of luxury.



CARPET TILES & NEEDLEFELT



Technical specifications: tessera®

Tessera meets the requirements of EN-ISO 1307

	Atrium	Tessera Arran	Tessera Barcode	Tessera Basis	Tessera Format	Tessera Create Space 1
Description	Tufted loop pile carpet tile	Tufted multi-height loop pile carpet tile	Tufted low level loop pile carpet tile	Tufted level loop pile carpet tile	Tufted multi-height loop pile carpet tile	Tufted low level loop pile carpet tile
Dimensions	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm
Total thickness	6.9mm ± 10%	7.0mm ± 10%	6.0mm ± 10%	5.7mm ± 10%	5.8mm ± 10%	5.5mm ± 10%
Pile height	3.5mm ± 0.5mm	4.0mm ± 0.5mm	3.0mm ± 0.5mm	2.8mm ± 0.5mm	3.1mm ± 0.5mm	2.7mm ± 0.5mm
Collection size	24 colourways 5m ² per box	18 colourways 4m ² per box	17 colourways 4m ² per box	44 colourways 5m ² per box	13 colourways 5m ² per box	17 colourways 5m ² per box
Application	EN 1307 Class 33, Suitable for any type of heavy contract application					
Pile composition	100% Aquafil 'Alto' polyamide	100% Invista Antron® Lumena polyamide 6.6	100% Aquafil polyamide 6	100% Aquafil polyamide 6	100% Aquafil polyamide 6	100% Aquafil ECONYL™/Alto Chroma regenerated polyamide 6
Dye method	100% piece dyed	100% solution dyed	100% solution dyed	100% space dyed	80% solution dyed, 20% space dyed	100% solution dyed
Stitch density	104,000 per m ² ± 10%	202,960 per m ² ± 10%	169,420 per m ² ± 10%	200,940 per m ² ± 10%	252,520 per m ² ± 10%	245,440 per m ² ± 10%
Pile weight		950 gsm ± 10%	580 gsm ± 10%	520 gsm ± 10%	525 gsm ± 10%	570 gsm ± 10%
Total weight		4,465 gsm ± 10%	3,895 gsm ± 10%	3,835 gsm ± 10%	4,040 gsm ± 10%	4,085 gsm ± 10%
Primary backing	Polyester/Nylon					
Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac® secondary backing					
Castor chair use	BS EN 985:2001	Minimum R value: ≥2.4				
Light fastness	BS EN ISO 105 B02	≥5	≥5	≥5	≥5	≥5
Dimensional stability	BS EN 986	≤0.2%				
Impact sound reduction	ISO 10140-3 (ΔL _w)		22dB	22dB	22dB	21dB
Creating Better Environments						
Renewable Electricity	All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources					
Recycled Content	Contains over 50% recycled content by weight					
Indoor Air Quality	Tessera meets 01350 Indoor Air Quality standard					
Ska	Tessera meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes					
Guarantee	Tessera carpet tiles are guaranteed for 10 years under heavy contract conditions (15 years guaranteed with SOFTbac®) provided that they have been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force					
Installation method	Broadloom (monolithic), quarter turn or tessellated	Monolithic, quarter turn or tessellated	Brick, quarter turn, tessellated or quarter-brick	Monolithic, quarter turn or tessellated		Monolithic, quarter turn or tessellated
Tessera carpet tiles meet the requirements of EN 14041						
Reaction to fire	EN 13501-1	B _s -s1				
Slip resistance	EN 13893	DS: ≥0.30				
Electrical resistance	BS ISO 10965 & EN1815	<1 x 10 ⁹ Ω. Static dissipative. Body voltage: Pass (< 2kV). Lifetime protection through the use of permanent anti-static yarn and backing				

EN 14041
CE

Shades may vary from batch to batch and should be checked before installation. Except for Tessera Mix, batches should not be mixed in the same location.

Technical specifications: tessera®

Tessera meets the requirements of EN-ISO 1307

	Tessera Create Space 2	Tessera Helix	Tessera Inline	Tessera Rippleweave	Tessera Weave	Tessera Diffusion	Tessera Layout	Tessera Outline	
Description	Tufted level loop pile carpet tile	Tufted multi-height loop pile carpet tile	Tufted textured loop pile carpet tile	Tufted multi-height loop pile carpet tile	Tufted mul-pile height loop carpet tile	Tufted multi-height loop pile carpet tile	Tufted low loop pile carpet tile	Tufted low loop pile carpet tile	
Dimensions	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	
Total thickness	5.7mm ± 10%	6.9mm ± 10%	6.5mm ± 10%	7.5mm ± 10%	7.0mm ± 10%	6.5mm ± 10%	5.8mm ± 10%	5.8mm ± 10%	
Pile height	3.1mm ± 0.5mm	3.9mm ± 0.5mm	3.9mm ± 0.5mm	4.3mm ± 0.5mm	3.5mm ± 0.5mm	3.7mm ± 0.5mm	2.9mm ± 0.5mm	2.9mm ± 0.5mm	
Collection size	10 colourways 5m ² per box	11 colourways 4m ² per box	7 colourways 4m ² per box	7 colourways 4m ² per box	19 colourways 4m ² per box	15 colourways 4m ² per box	30 colourways 5m ² per box	8 colourways 5m ² per box	
Application	EN 1307 Class 33, Suitable for any type of heavy contract application								
Pile composition	100% Aquafil ECONYL®/Alto Chroma regenerated polyamide 6	100% Invista Antron® Lumena polyamide 6.6	100% polyamide 6	100% Invista Antron® Lumena polyamide 6.6	100% ECONYL® regenerated polyamide 6	100% Universal Fibers SM Refresh™ polyamide 6.6	100% polyamide 6	100% polyamide 6	
Dye method	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	
Stitch density	245,440 per m ² ± 10%	219,480 per m ² ± 10%	198,374 per m ² ± 10%	160,480 per m ² ± 10%	179,664 per m ² ± 10%	217,120 per m ² ± 10%	193,060 per m ² ± 10%	193,060 per m ² ± 10%	
Pile weight	570 gsm ± 10%	740 gsm ± 10%	605 gsm ± 10%	950 gsm ± 10%	660 gsm ± 10%	570 gsm ± 10%	580 gsm ± 10%	580 gsm ± 10%	
Total weight	4,085 gsm ± 10%	4,255 gsm ± 10%	4,120 gsm ± 10%	4,465 gsm ± 10%	4,155 gsm ± 10%	4,085 gsm ± 10%	3,895 gsm ± 10%	3,895 gsm ± 10%	
Primary backing	Polyester/Nylon								
Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac® secondary backing								
Castor chair use	BS EN 985:2001			Minimum R value: ≥2.4					
Light fastness	BS EN ISO 105 B02		≥5	≥5	≥5	≥5	≥5	≥6	≥6
Dimensional stability	BS EN 986 ≤0.2%								
Impact sound reduction	ISO 10140-3 (ΔL _w)		23dB	21dB	25dB	27dB	22dB	27dB	27dB
Creating Better Environments									
Renewable Electricity	All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources								
Recycled Content	Contains over 50% recycled content by weight								
Indoor Air Quality	Tessera meets 01350 Indoor Air Quality standard								
Ska	Tessera meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes								
Guarantee	Tessera carpet tiles are guaranteed for 10 years under heavy contract conditions (15 years guaranteed with SOFTbac®) provided that they have been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force								
Installation method	Monolithic, quarter turn, tessellated, half drop or non-directional	Quarter turn or tessellated	Monolithic tessellated & quarter turn	Brick, quarter turn or tessellated	Broadloom (monolithic), quarter turn or tessellated	Monolithic, quarter turn or tessellated	Monolithic, brick, tessellated, quarter turn & quarter brick	Brick, tessellated, quarter turn & quarter brick	

Tessera carpet tiles meet the requirements of EN 14041



Reaction to fire	EN 13501-1		B _s -s1				
Slip resistance	EN 13893		DS: ≥0.30				
Electrical resistance	BS ISO 10965 & EN1815		<1 x 10 ⁹ Ω: Static dissipative. Body voltage: Pass (< 2kV). Lifetime protection through the use of permanent anti-static yarn and backing				

Technical specifications: tessera®

Tessera meets the requirements of EN-ISO 1307

	Tessera Circulate	Tessera Mix	Tessera Alignment	Tessera Contour	Tessera Create Space 3	Tessera Ethos	Tessera Acrobat	
Description	Tufted multi-height loop pile carpet tile, Random lay. batchless	Tufted multi-height loop pile carpet tile, Random lay. batchless	Tufted multi-height cut and loop pile carpet tile	Tufted multi-height cut and loop pile carpet tile	Tufted multi-pile height cut and loop pile carpet tile	Tufted cut and loop pile carpet tile	Tufted cut pile carpet tile	
Dimensions	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	50cm x 50cm	
Total thickness	6.5mm ± 10%	5.9mm ± 10%	6.2mm ± 10%	6.6mm ± 10%	5.7mm ± 10%	6.4mm ± 10%	8.0mm ± 10%	
Pile height	3.7mm ± 0.5mm	3.1mm ± 0.5mm	3.5mm ± 0.5mm	3.5mm ± 0.5mm	3.1mm ± 0.5mm	3.3mm ± 0.5mm	5.0mm ± 0.5mm	
Collection size	8 colourways 4m ² per box	15 colourways 5m ² per box	23 colourways 4m ² per box	10 colourways 4m ² per box	10 colourways 4m ² per box	12 colourways 4m ² per box	31 colourways 5m ² per box	
Application	EN 1307 Class 33, Suitable for any type of heavy contract application						Class 32, Suitable for any type of general contract application	
Pile composition	100% Universal Fibers SM Refresh™ polyamide 6.6	100% Invista Antron® Lumena polyamide 6.6	100% Invista Antron® Lumena polyamide 6.6	100% Universal Fibers SM Refresh™ polyamide 6.6	100% Aquafil ECONYL®/Alto Chroma regenerated polyamide 6	100% Aquafil Alto Chroma polyamide 6	100% Antron® polyamide 6.6	
Dye method	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	100% solution dyed	100% piece dyed	
Stitch density	254,880 per m ² ± 10%	200,600 per m ² ± 10%	217,488 per m ² ± 10%	255,053 per m ² ± 10%	236,000 per m ² ± 10%	202,960 per m ² ± 10%	181,102 per m ² ± 10%	
Pile weight	520 gsm ± 10%	650 gsm ± 10%	700 gsm ± 10%	580 gsm ± 10%	595 gsm ± 10%	755 gsm ± 10%	1,050 gsm ± 10%	
Total weight	4,035 gsm ± 10%	4,165 gsm ± 10%	4,195 gsm ± 10%	4,095 gsm ± 10%	4,110 gsm ± 10%	4,270 gsm ± 10%	4,650 gsm ± 10%	
Primary backing	Polyester/Nylon							
Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac® secondary backing						Modified bitumen and polyester fleece.	
Castor chair use	BS EN 985:2001		Minimum R value: ≥2.4					
Light fastness	BS EN ISO 105 B02		≥5	≥5	≥5	≥5	≥6	≥5
Dimensional stability	BS EN 986 ≤0.2%							
Impact sound reduction	ISO 10140-3 (ΔL _w)		22dB	24dB	23dB	23dB	23dB	n/a
Creating Better Environments								
Renewable Electricity	All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources						Contains 10% recycled content by weight	
Recycled Content	Contains over 50% recycled content by weight						n/a	
Indoor Air Quality	Tessera meets 01350 Indoor Air Quality standard						n/a	
Ska	Tessera meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes						7 years under general contract conditions	
Guarantee	Tessera carpet tiles are guaranteed for 10 years under heavy contract conditions (15 years guaranteed with SOFTbac®) provided that they have been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force							
Installation method	Random	Random	Monolithic, quarter turn or tessellated	Monolithic, quarter turn, tessellated, half drop or non-directional	Monolithic, quarter turn, tessellated, half drop or non-directional	Monolithic, quarter turn or tessellated	Monolithic, quarter turn or tessellated	

Tessera carpet tiles meet the requirements of EN 14041



Reaction to fire	EN 13501-1		B _s -s1				
Slip resistance	EN 13893		DS: ≥0.30				
Electrical resistance	BS ISO 10965 & EN1815		<1 x 10 ⁹ Ω: Static dissipative. Body voltage: Pass (< 2kV). Lifetime protection through the use of permanent anti-static yarn and backing				



Following on from the success of our Tessera Layout & Outline 50 x 50 carpet tiles, we've extended the range with 100 x 25 cm planks to create even more possibilities for stunning floor designs. The collection consists of 14 sophisticated uni colours and 4 linear designs that offer endless possibilities to mix & match.



WESTBOND SOPHISTICATED FLEXIBILITY

Let the world inspire your creativity.

Realise it with Westbond.

Westbond carpet tiles are synonymous with total flexibility and sophistication. Blending yarns to order and manufacturing premium quality fusion bonded tiles in an almost infinite number of colourways, with no minimum order quantity. Westbond allows customers to take control of the process of designing luxurious, bespoke carpet tiles with exceptionally heavy pile weights for the most prestigious installations.



Fusion bonding is a sophisticated method of carpet tile manufacture where individual yarn pile is bonded onto the backing material to make an extremely dense and luxurious product.

Each tuft is individual and a high proportion of the yarn is in the wear surface providing a beautiful, rich velour carpet tile which gives an excellent broadloom appearance.

2 working days we'll send you a 'pom' that offers a realistic impression of the finished carpet tile. To create your own Flex combination, you can use our online Westbond Flex Creator WESTBOND FLEX CREATOR To stimulate your imagination, we have made a core collection of 30 Flex combinations, which are shown below.

westbond[®] ibond

The Westbond Ibond Naturals colour range is available in a variety of qualities including polyamide or wool, and pile weights up to 2400 g/m².

westbond[®] flex

Westbond Flex carpet tiles are the ideal solution for those seeking a truly individual look to the floor. Simply create your own Westbond Flex carpet tile by selecting up to 4 colours from the Westbond Ibond colour palette, or a colour you've created, and within

westbond[®] natural

Westbond Natural is a unique collection of commercial carpet tiles containing pure & natural undyed British wool. The range is the perfect answer to today's ecological concerns. The carpet tile backing minimises environmental impact through its use of up to 74% recycled materials and wool is a sustainable, natural and renewable resource.

westbond® naturals



westbond® reds



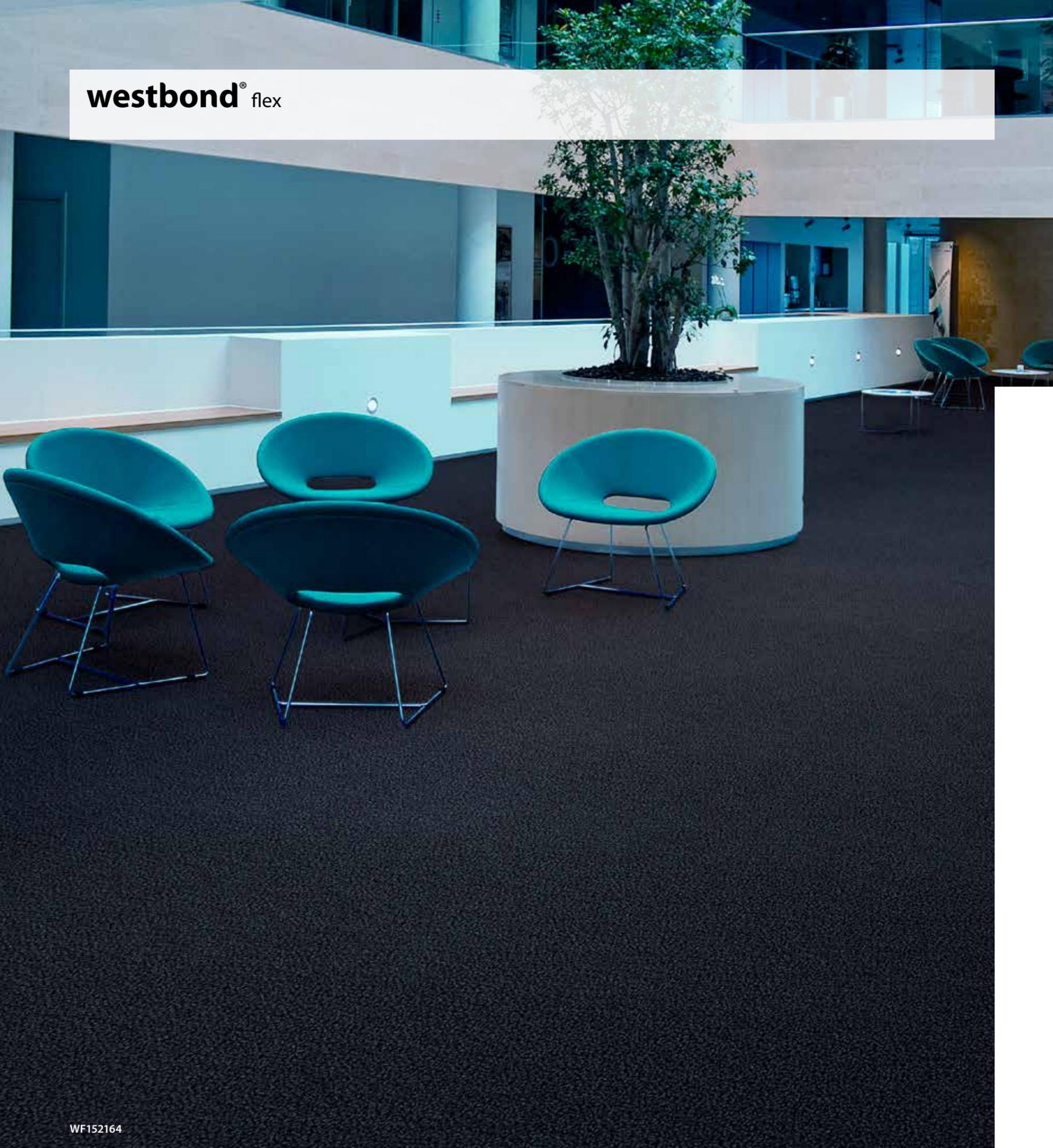
westbond® greens



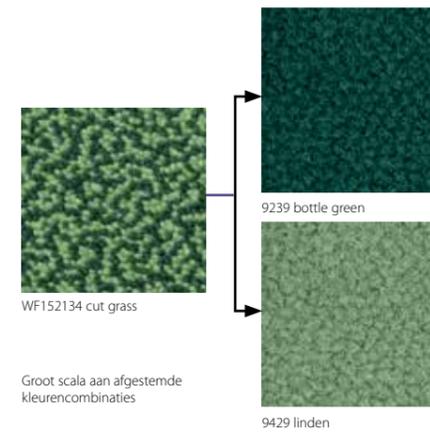
westbond® blues



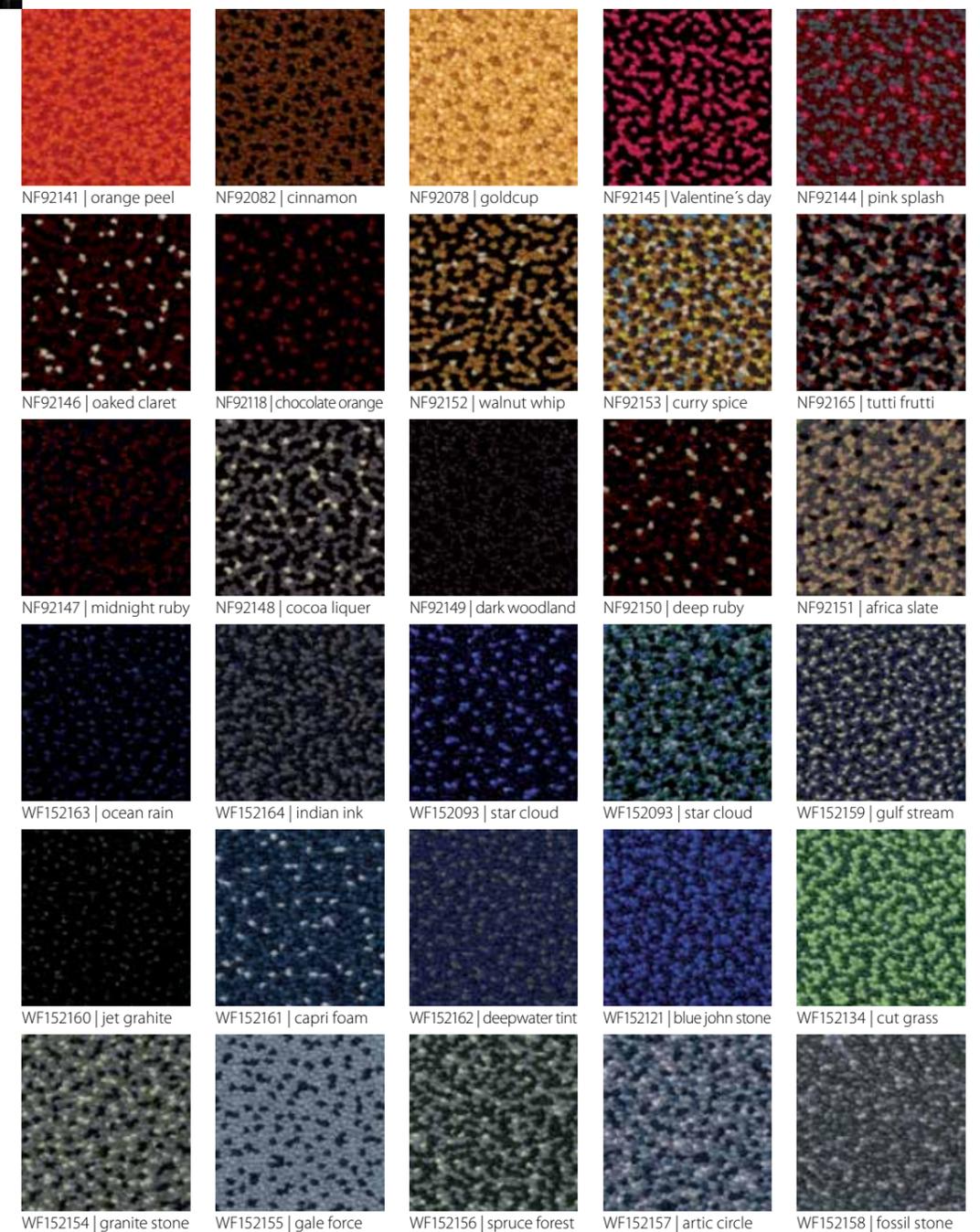
CARPET TILES & NEEDLEFELT



WF152164



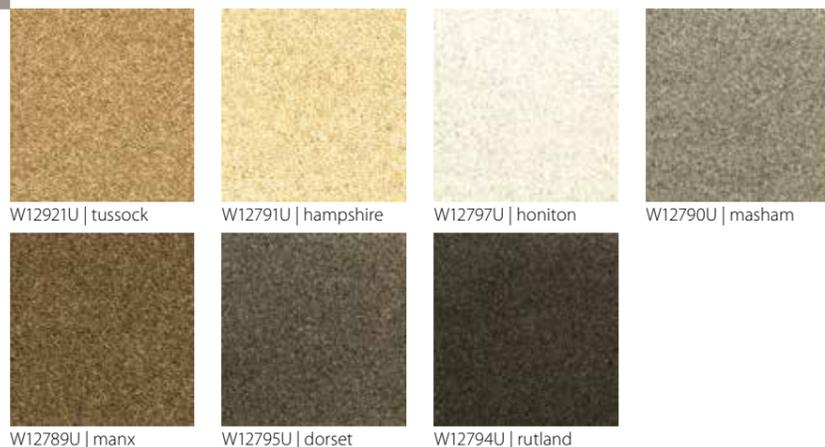
Westbond Flex carpet tiles are the ideal solution for those seeking a truly individual look to the floor. Simply create your own Westbond Flex carpet tile by selecting up to 4 colours from the Westbond Ibond colour palette, or a colour you've created, and within 2 working days we'll send you a 'pom' that offers a realistic impression of the finished carpet tile. To create your own Flex combination, you can use our online Westbond Flex Creator WESTBOND FLEX CREATOR To stimulate your imagination, we have made a core collection of 30 Flex combinations, which are shown below.



westbond® natural



W12790U



Westbond Natural is a unique collection of commercial carpet tiles containing pure & natural undyed British wool. The range is the perfect answer to today's ecological concerns. The carpet tile backing minimises environmental impact through its use of up to 74% recycled materials and wool is a sustainable, natural and renewable resource.

Technical specifications: **westbond®**

Westbond meets the requirements of EN-ISO 1307

		Westbond (Nylon)
Description		Fusion bonded cut pile carpet tile
Dimensions		50cm x 50cm
Total thickness		8.1mm ± 10%
Pile height		5.0mm ± 0mm/-0.5mm
Collection size		Any colour from 1m ² 4,5m ² per box
Application	EN 1307	Class 33, Suitable for any type of heavy contract application
Pile composition		100% polyamide 6.6
Dye method		Hank dyed
Stitch density		272,000 per m ² ± 10%
Pile weight		950 gsm ± 10%
Total weight		4,000 gsm ± 10%
Primary backing		n/a
Secondary backing		PVC incorporating at least 70% pre-consumer recycled content
Castor chair use	BS EN 985:2001	Minimum R value: ≥2.4
Light fastness	BS EN ISO 105 B02	≥5
Dimensional stability	BS EN 986	≤0.2%
Impact sound reduction	ISO 10140-3 (ΔL _v)	27dB
Creating Better Environments		
Renewable Electricity		All Tessera and Westbond carpet tiles are manufactured using 100% electricity made from renewable sources
Recycled Content		Contains 43% recycled content by weight
Indoor Air Quality		Westbond meets 01350 Indoor Air Quality standard
Ska		Meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes
Guarantee		10 years under heavy contract conditions Provided that they have been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force
Installation method		Monolithic, tessellated or quarter turn

Tessera and Westbond carpet tiles meet the requirements of EN 14041

		EN 14041
Reaction to fire	EN 13501-1	B _f -s1
Slip resistance	EN 13893	DS: ≥0.30
Electrical resistance	BS ISO 10965 & EN1815	<1 x 10 ⁹ Ω: Static dissipative. Body voltage: Pass (< 2kV). Lifetime protection through the use of permanent anti-static yarn and backing

Shades may vary from batch to batch and should be checked before installation. Except for Tessera Circulate, batches should not be mixed in the same location.

ROBUST AND INADVERTENTLY NEEDLEFELT

Needlefelt

The robust, hard-wearing properties of Needlefelt make it ideal for installations that meet high traffic or in those areas where chairs with castors are likely to be in use, such as in offices, administrative premises and retail establishments.

The textile look and typical range of colouring blend harmoniously and inadvertently into any interior-design scheme. Needlefelt carpet often provides a cost-efficient alternative to conventional broadloom carpeting in heavily-used areas that require a practical and durable textile-type floor covering. Forbo uses high quality polyamide fibres and a full latex impregnation for all its needlefelt carpets.

showtime®

This fine fibre needlefelt collection offers a large choice of uni colours which coordinate perfectly with the printed designs allowing the demarcation of individual spaces and the creation of different moods.

forte

Forte is the premium product in our needlefelt range, offering the maximum feeling of comfort that comes with a fibre weight of approximately 750 g/m². Forte is an impressive premium product. It is available in a range of 24 attractive colours. A very dense texture, with more than three million needle punches per square metre, guarantees a combination of attractive looks and hard-wearing performance for use in highly-frequented areas.

markant

Markant is a high-quality, coarse-texture covering made of 100% polyamide fibres, equipped with all the characteristics required for hard-wearing performance in frequently used places. Markant comes with a fibre weight of approximately 600 g/m².

akzent

Akzent is the value-for-money alternative and the only collection in the range that is made of a combination of 80% polyamide and 20% polypropylene fibres (fibre weight of 500 g/m²), which is nevertheless no lightweight when it comes to hard-wearing performance.

showtime[®] nuance



900202

This fine fibre needlefelt collection offers a large choice of uni colours which coordinate perfectly with the printed designs allowing the demarcation of individual spaces and the creation of different moods.



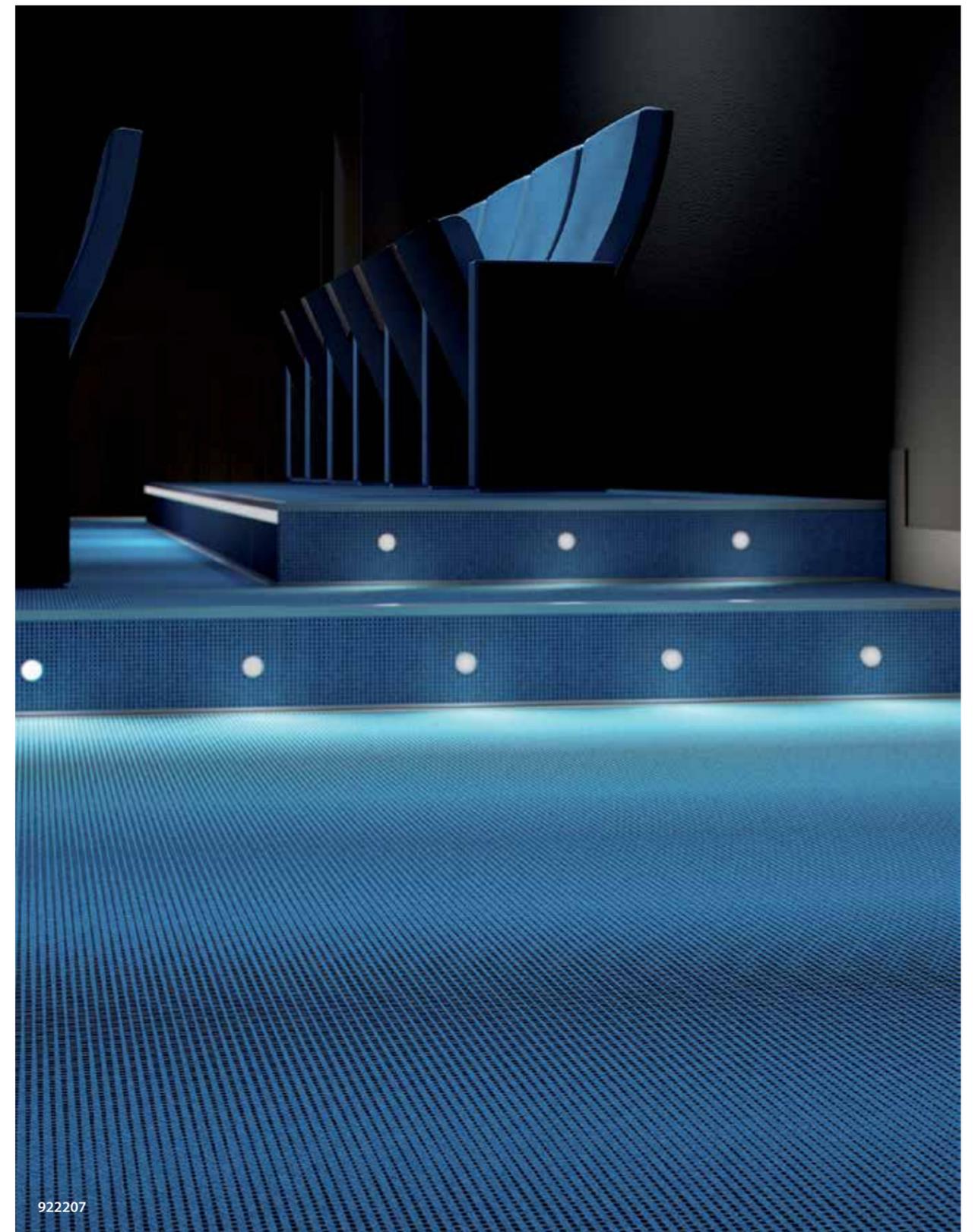
Rose indien | 900206 Rouge | 900216



Olive | 900208 Emeraude | 900228 Kaki | 900218 Bleu canard | 900207 Indigo | 900217 Violet | 900227
 Beige | 900203 Grège | 900213 Camel | 900204 Taupe | 900244 Fauve | 900214 Chocolat | 900224
 Perle | 900200 Souris | 900201 Gris moyen | 900202 Anthracite | 900212 Carbone | 900209 Cacao | 900234

showtime[®] experience wonderlab

Showtime experience Wonderlab consists out of a range of four individual graphic geometric designs that offer elegance to the room with a classic textile look and feel.



922207

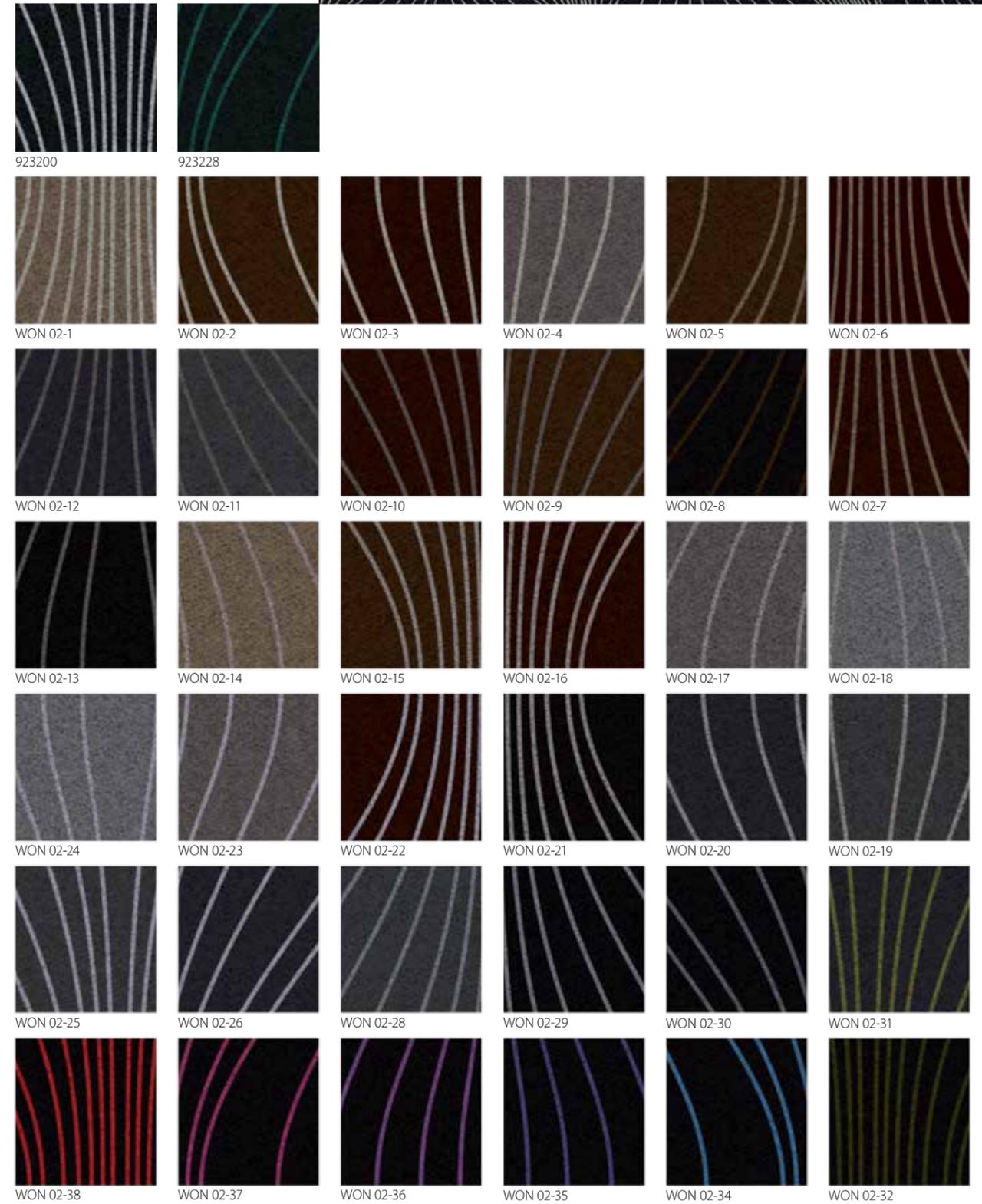
wonderlab 01

922207



wonderlab 02

923200



wonderlab 03

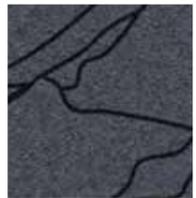


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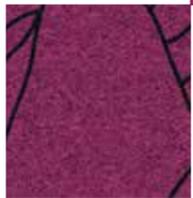
wonderlab 04



925200



924202



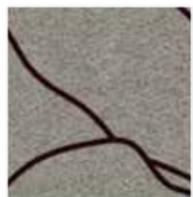
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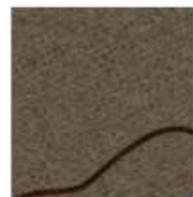
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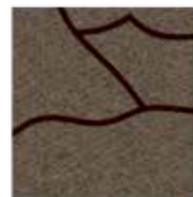
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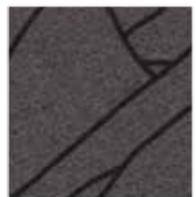
WON 03-4



WON 03-5



WON 03-6



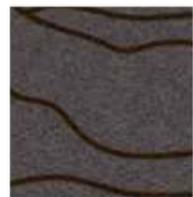
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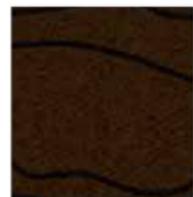
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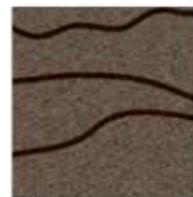
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WON 03-9



WON 03-8



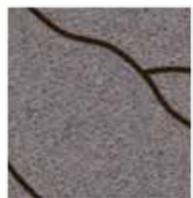
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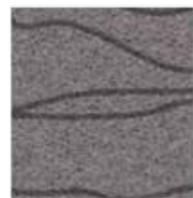
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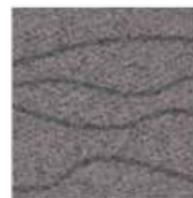
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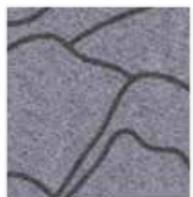
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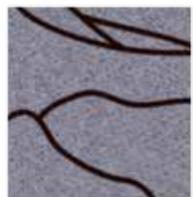
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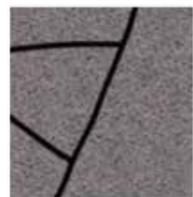
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WON 03-23



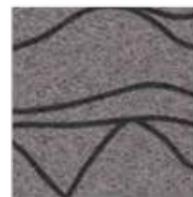
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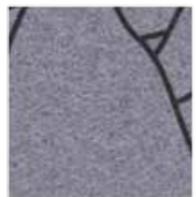
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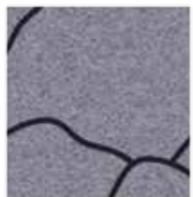
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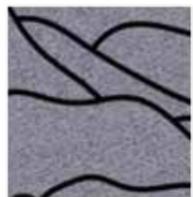
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WON 03-26



WON 03-27



WON 03-28



WON 03-29



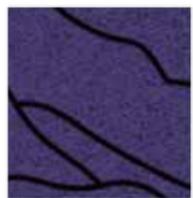
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WON 03-38



WON 03-36



WON 03-35



WON 03-34



WON 03-33



WON 03-32



925200



925216



WON 04-1



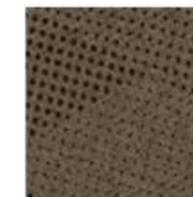
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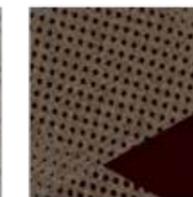
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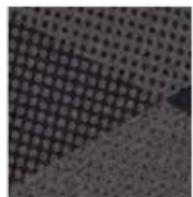
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WON 04-6



WON 04-12



WON 04-11



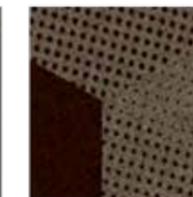
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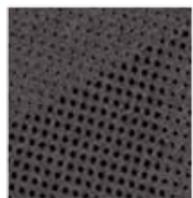
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WON 04-8



WON 04-7



WON 04-13



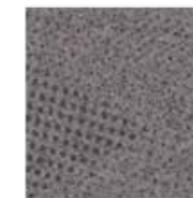
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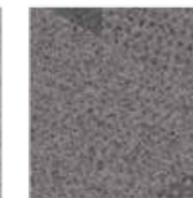
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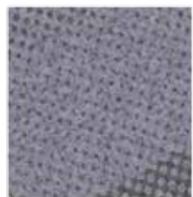
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WON 04-17



WON 04-18



WON 04-24



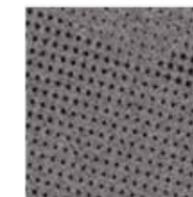
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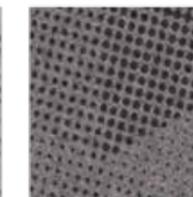
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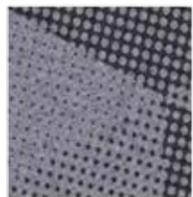
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WON 04-20



WON 04-19



WON 04-25



WON 04-26



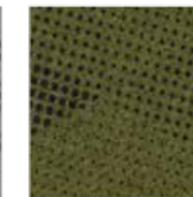
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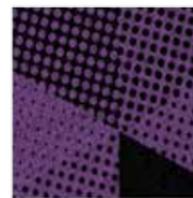
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WON 04-31



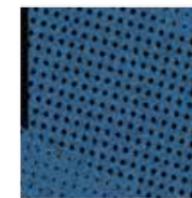
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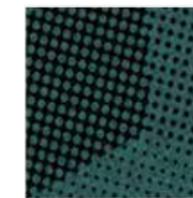
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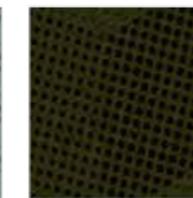
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WON 04-34



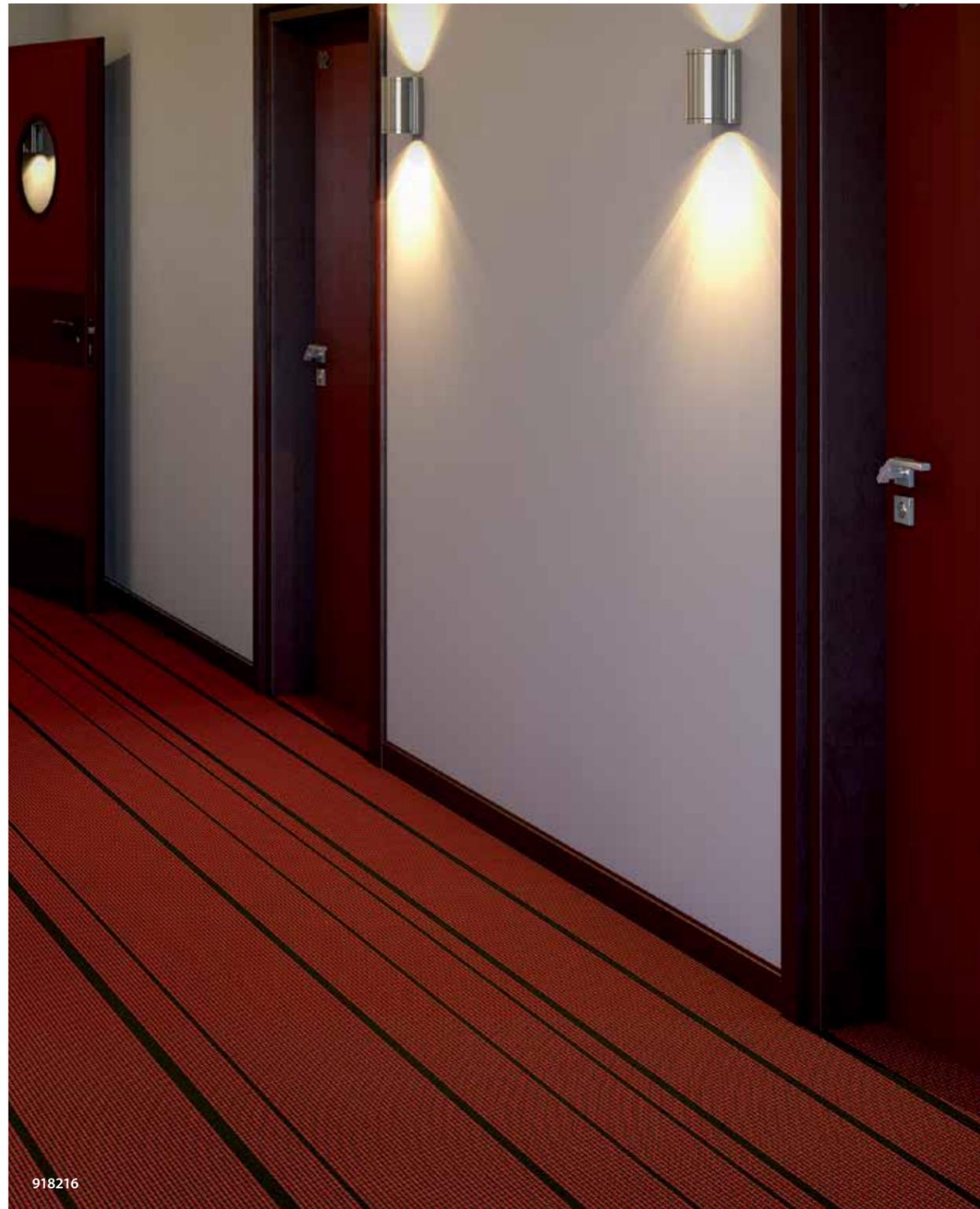
WON 04-33



WON 04-32

showtime[®] experience metropolis

Showtime Experience Metropolis consists out of a range of four individual graphic modern rhythmic designs that refer to the city landscape experience. Showtime Experience Metropolis print designs are available in a large range of colours.



918216

metropolis 01

918216



CARPET TILES & NEEDLEFELT

metropolis 02

919227



919202



919227



MET 02-1



MET 02-2



MET 02-3



MET 02-4



MET 02-5



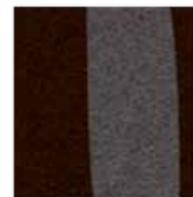
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MET 02-12



MET 02-11



MET 02-10



MET 02-9



MET 02-8



MET 02-7



MET 02-13



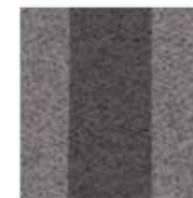
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MET 02-15



MET 02-16



MET 02-17



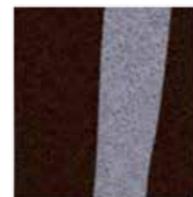
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MET 02-23



MET 02-22



MET 02-21



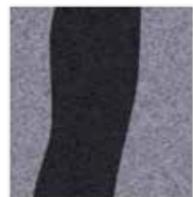
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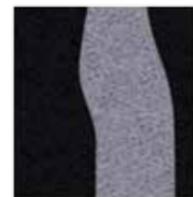
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MET 02-27



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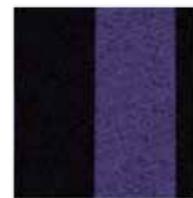
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MET 02-34



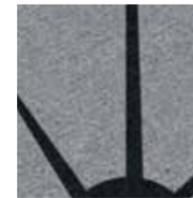
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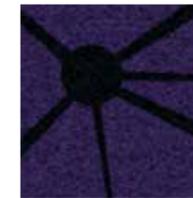
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metropolis 03

920217



920201



920217



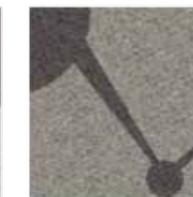
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MET 03-2



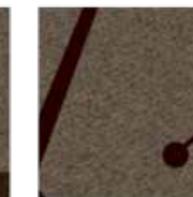
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MET 03-4



MET 03-5



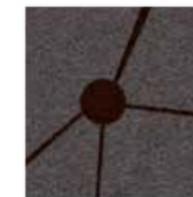
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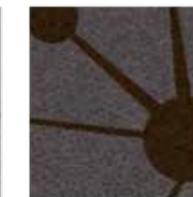
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MET 03-11



MET 03-10



MET 03-9



MET 03-8



MET 03-7



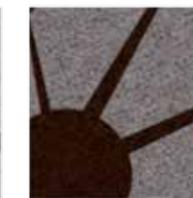
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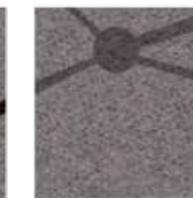
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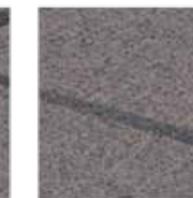
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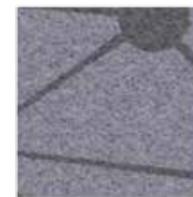
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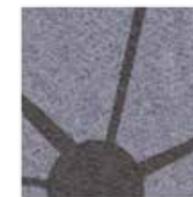
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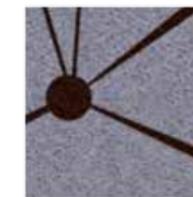
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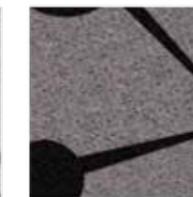
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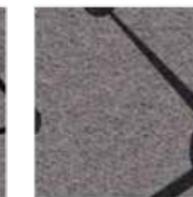
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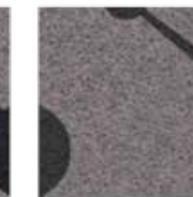
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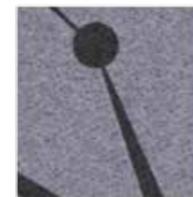
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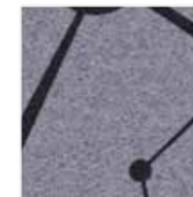
MET 03-20



MET 03-19



MET 03-25



MET 03-26



MET 03-27



MET 03-28



MET 03-30



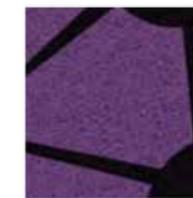
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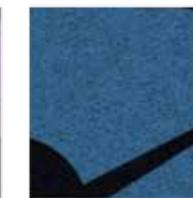
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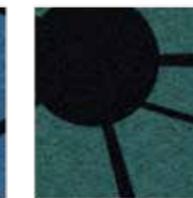
MET 03-37



MET 03-36



MET 03-34



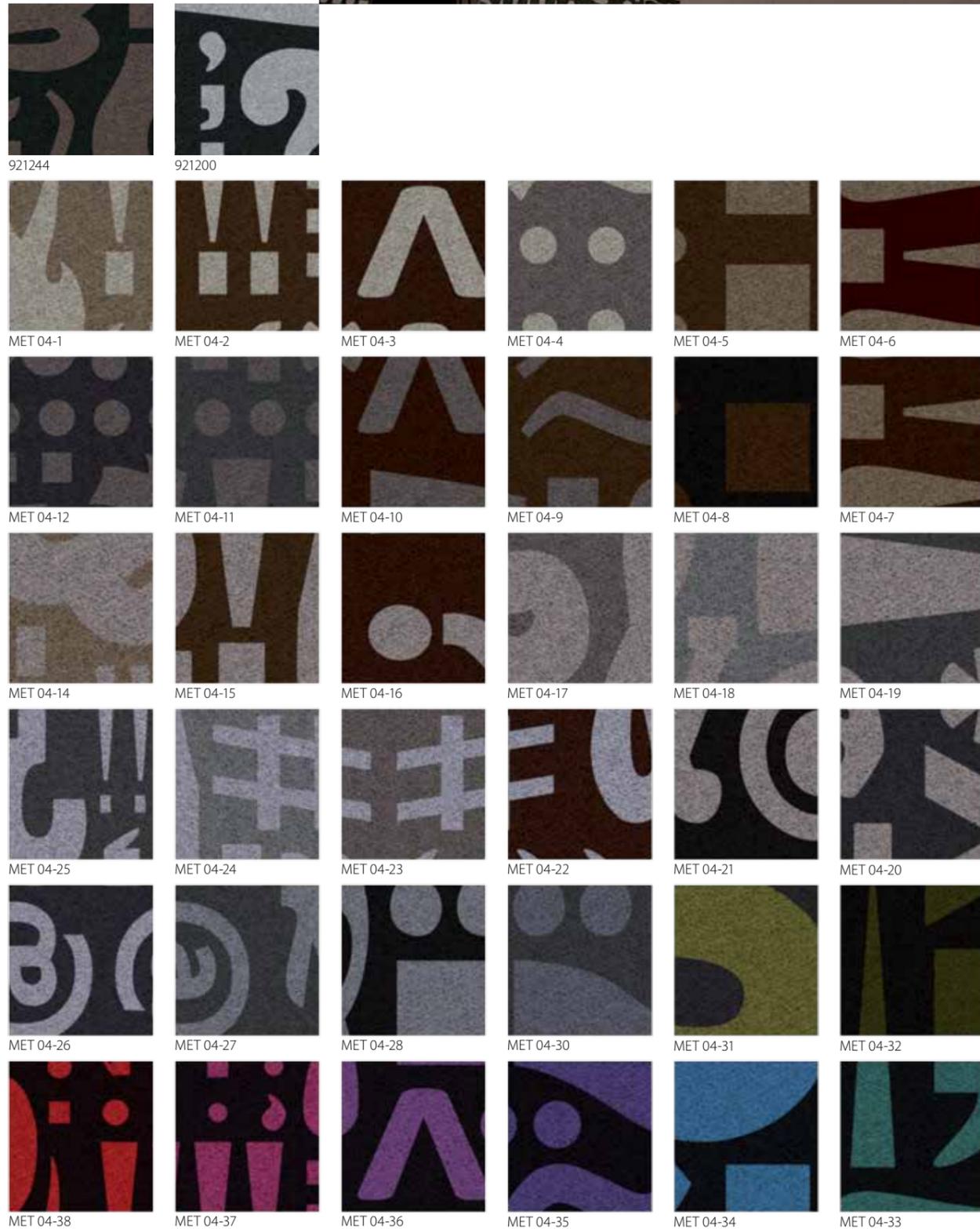
MET 03-33



MET 03-32

metropolis 04

900244
921244



921244

921200

MET 04-1

MET 04-2

MET 04-3

MET 04-4

MET 04-5

MET 04-6

MET 04-12

MET 04-11

MET 04-10

MET 04-9

MET 04-8

MET 04-7

MET 04-14

MET 04-15

MET 04-16

MET 04-17

MET 04-18

MET 04-19

MET 04-25

MET 04-24

MET 04-23

MET 04-22

MET 04-21

MET 04-20

MET 04-26

MET 04-27

MET 04-28

MET 04-30

MET 04-31

MET 04-32

MET 04-38

MET 04-37

MET 04-36

MET 04-35

MET 04-34

MET 04-33

showtime® experience ecosystems

Showtime Experience Ecosystems consists out of a range of four individual graphic nature designs that hint to the great outdoors with a playful twist. The four Ecosystems prints are available in a wide choice of colours

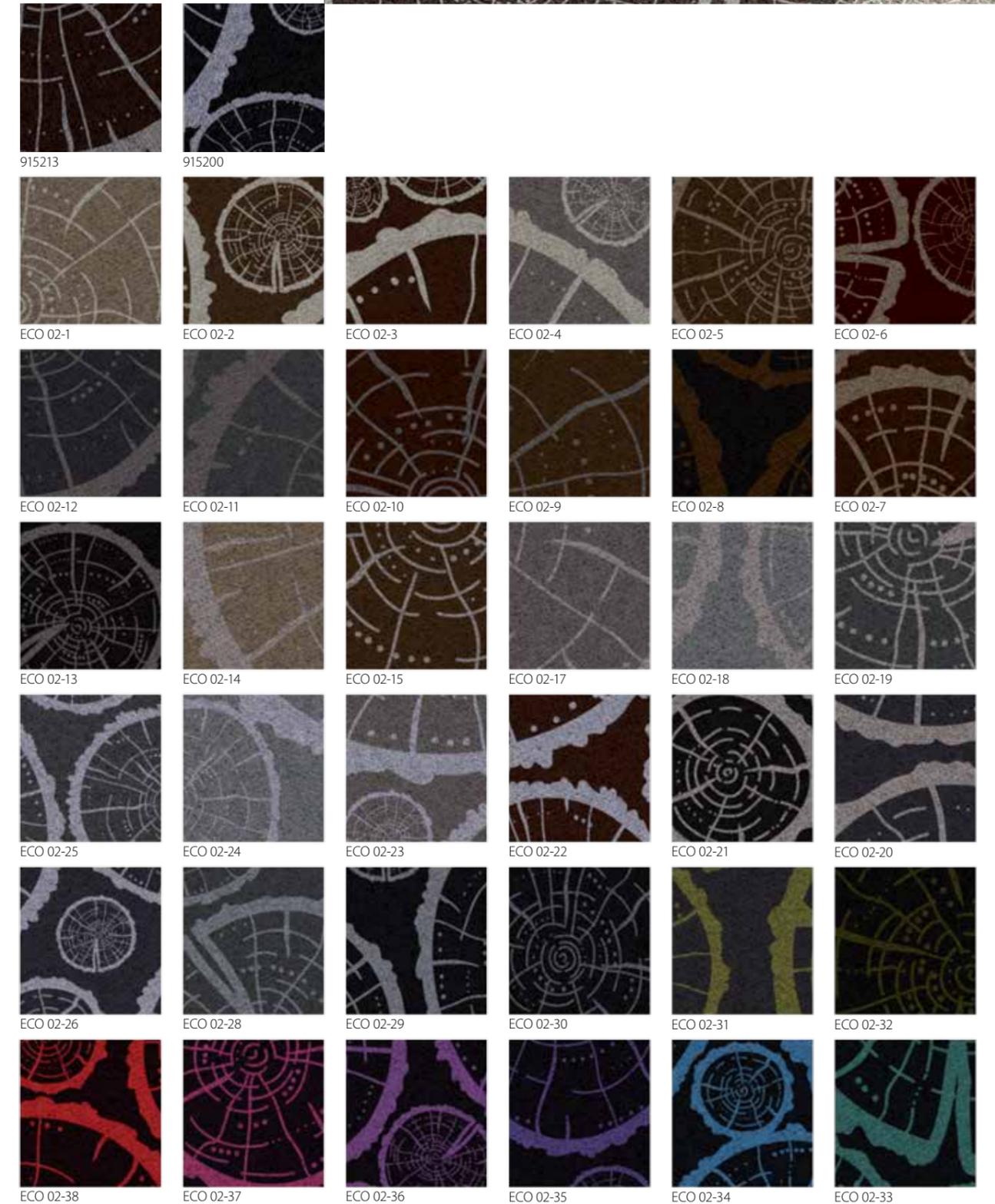


914208

CARPET TILES & NEEDLEFELT

ecosystems 01

ecosystems 02



CARPET TILES & NEEDLEFELT

ecosystems 03

ecosystems 04

uni 900208
design 916208

917207



916214



916208



ECO 03-1



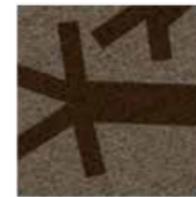
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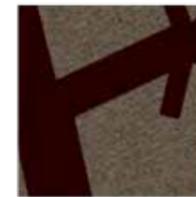
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ECO 03-4



ECO 03-5



ECO 03-6



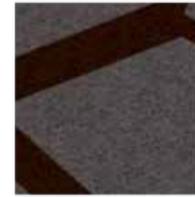
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ECO 03-12



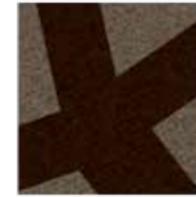
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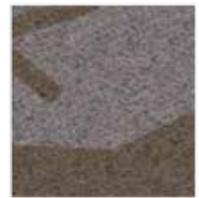
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ECO 03-9



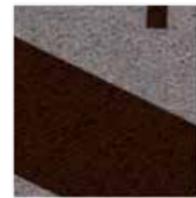
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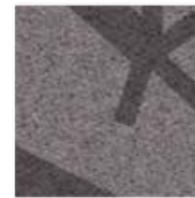
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ECO 03-15



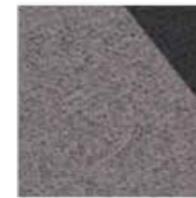
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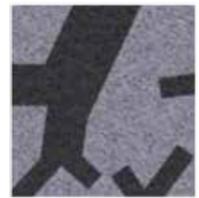
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ECO 03-18



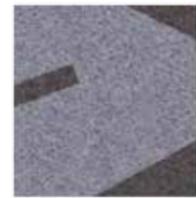
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ECO 03-25



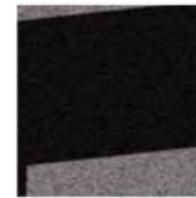
ECO 03-24



ECO 03-23



ECO 03-22



ECO 03-21



ECO 03-20



ECO 03-26



ECO 03-28



ECO 03-29



ECO 03-30



ECO 03-31



ECO 03-32



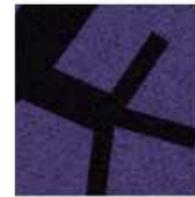
ECO 03-38



ECO 03-37



ECO 03-36



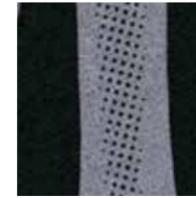
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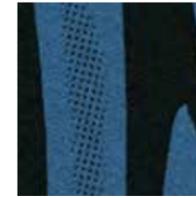
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ECO 03-33



917200



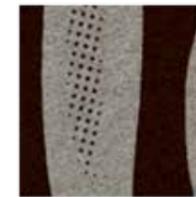
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ECO 04-1



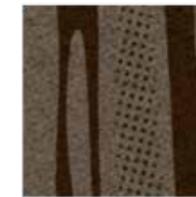
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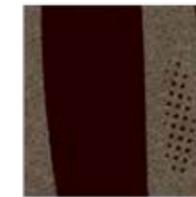
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ECO 04-4



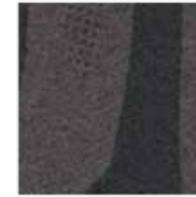
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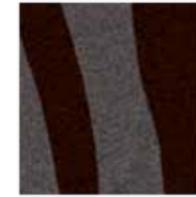
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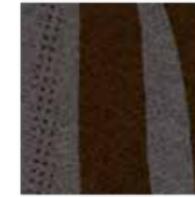
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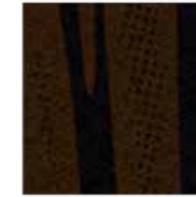
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ECO 04-10



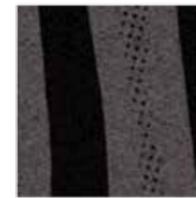
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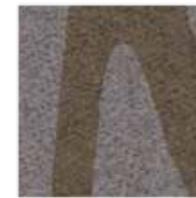
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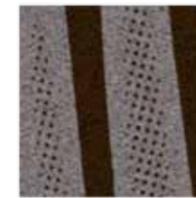
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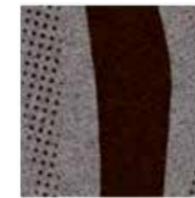
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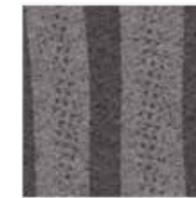
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ECO 04-15



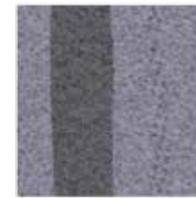
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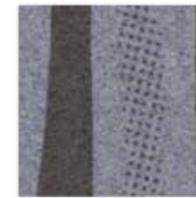
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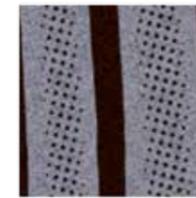
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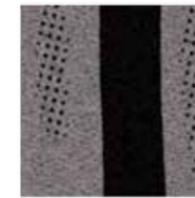
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ECO 04-23



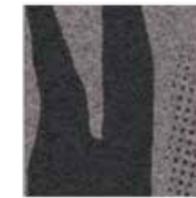
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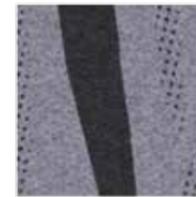
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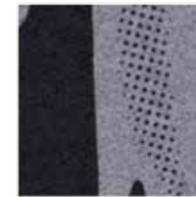
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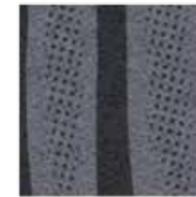
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ECO 04-25



ECO 04-26



ECO 04-28



ECO 04-29



ECO 04-30



ECO 04-31



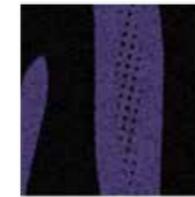
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ECO 04-37



ECO 04-36



ECO 04-35



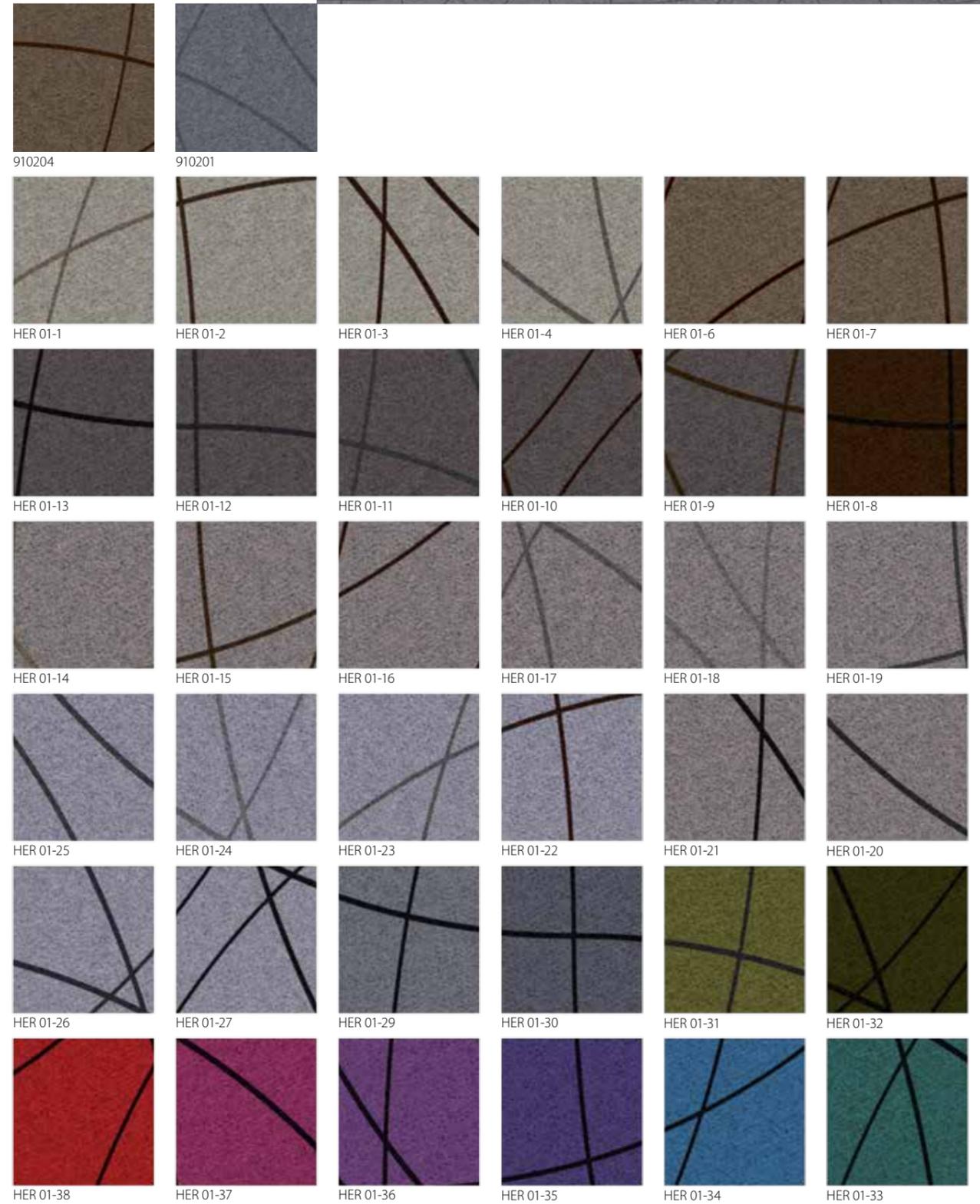
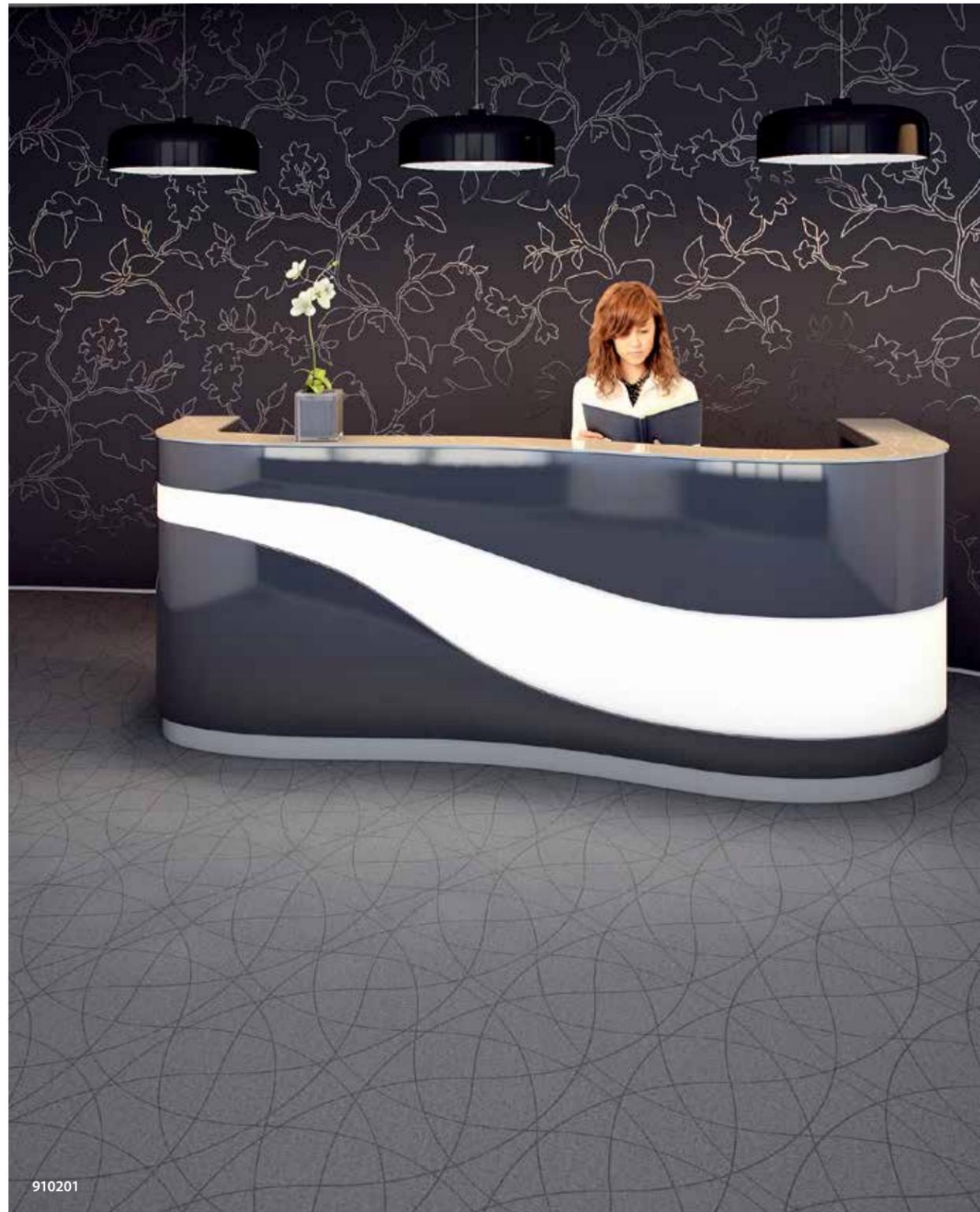
ECO 04-33



ECO 04-32

showtime® experience héritage

Showtime Experience Heritage consists out of a range of four individual graphic classic textile designs that refer to the classic textile experience. Showtime Experience Heritage print designs are available in a wide range of colours.



CARPET TILES & NEEDLEFELT

héritage 02

héritage 03

911200

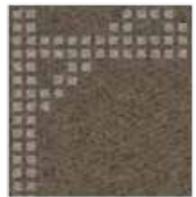
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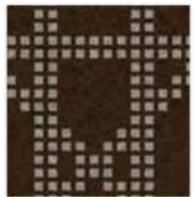
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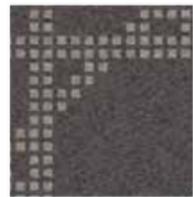
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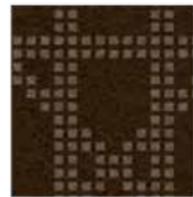
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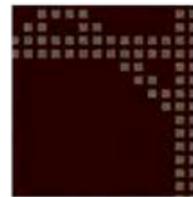
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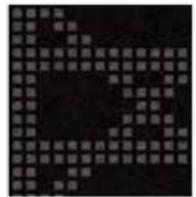
HER 02-4



HER 02-6



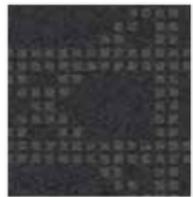
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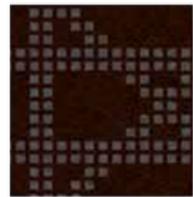
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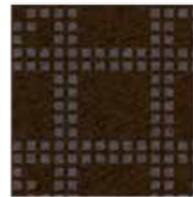
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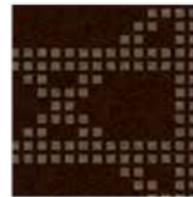
HER 02-11



HER 02-10



HER 02-9



HER 02-8



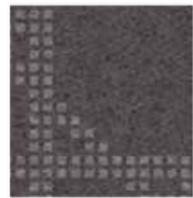
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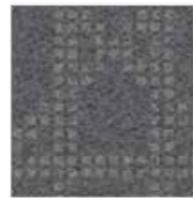
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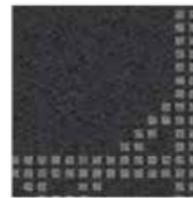
HER 02-16



HER 02-17



HER 02-18



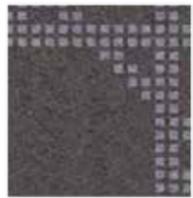
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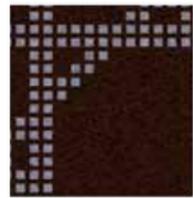
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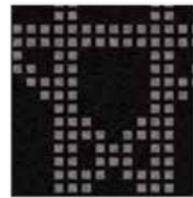
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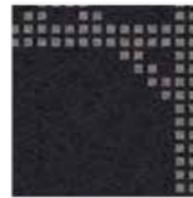
HER 02-23



HER 02-22



HER 02-21



HER 02-20



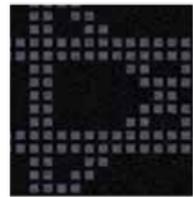
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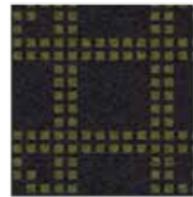
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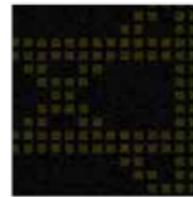
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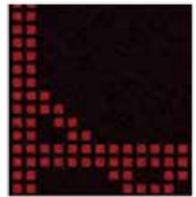
HER 02-30



HER 02-31



HER 02-32



HER 02-38



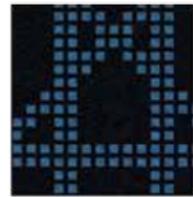
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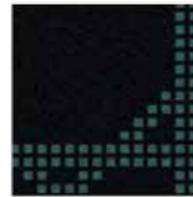
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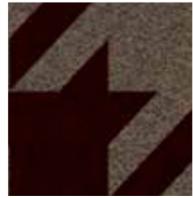
HER 02-35



HER 02-34



HER 02-33



912204



912244



HER 03-1



HER 03-2



HER 03-3



HER 03-4



HER 03-5



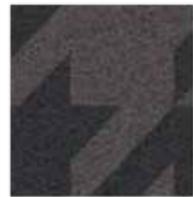
HER 03-7



HER 03-14



HER 03-12



HER 03-11



HER 03-10



HER 03-9



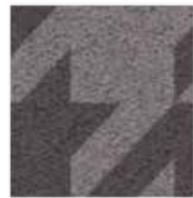
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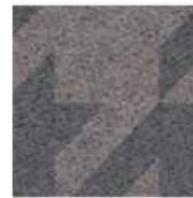
HER 03-15



HER 03-16



HER 03-17



HER 03-18



HER 03-19



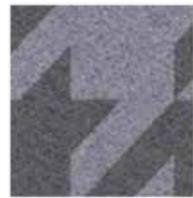
HER 03-20



HER 03-26



HER 03-25



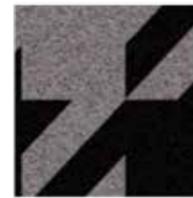
HER 03-24



HER 03-23



HER 03-22



HER 03-21



HER 03-27



HER 03-28



HER 03-29



HER 03-30



HER 03-31



HER 03-32



HER 03-38



HER 03-37



HER 03-36



HER 03-35



HER 03-34



HER 03-33

héritage 04

913227



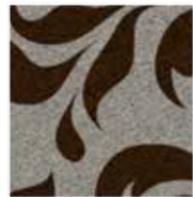
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HER 04-1



HER 04-2



HER 04-3



HER 04-4



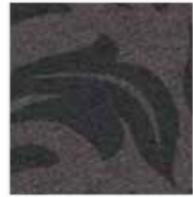
HER 04-5



HER 04-6



HER 04-12



HER 04-11



HER 04-10



HER 04-9



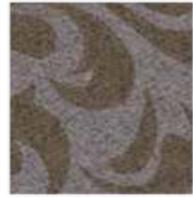
HER 04-8



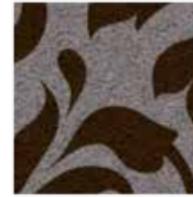
HER 04-7



HER 04-13



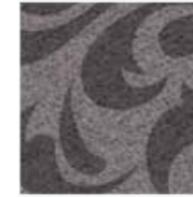
HER 04-14



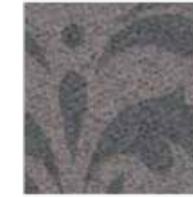
HER 04-15



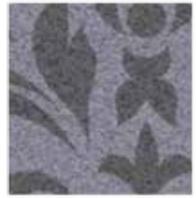
HER 04-16



HER 04-17



HER 04-18



HER 04-24



HER 04-23



HER 04-22



HER 04-21



HER 04-20



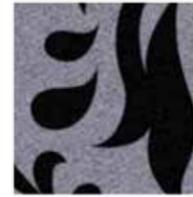
HER 04-19



HER 04-25



HER 04-26



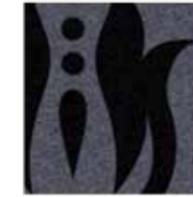
HER 04-27



HER 04-28



HER 04-29



HER 04-30



HER 04-37



HER 04-35



HER 04-34



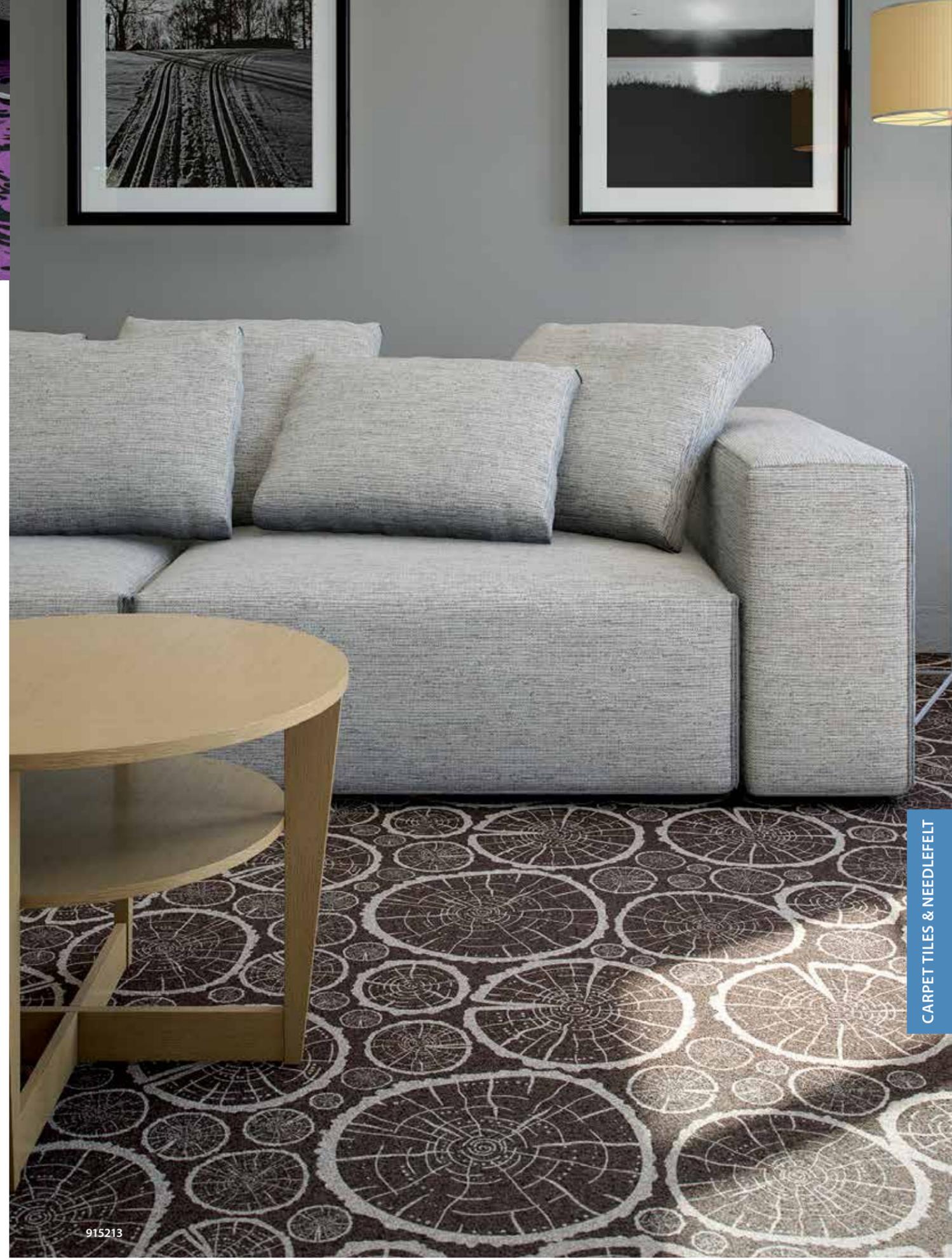
HER 04-33



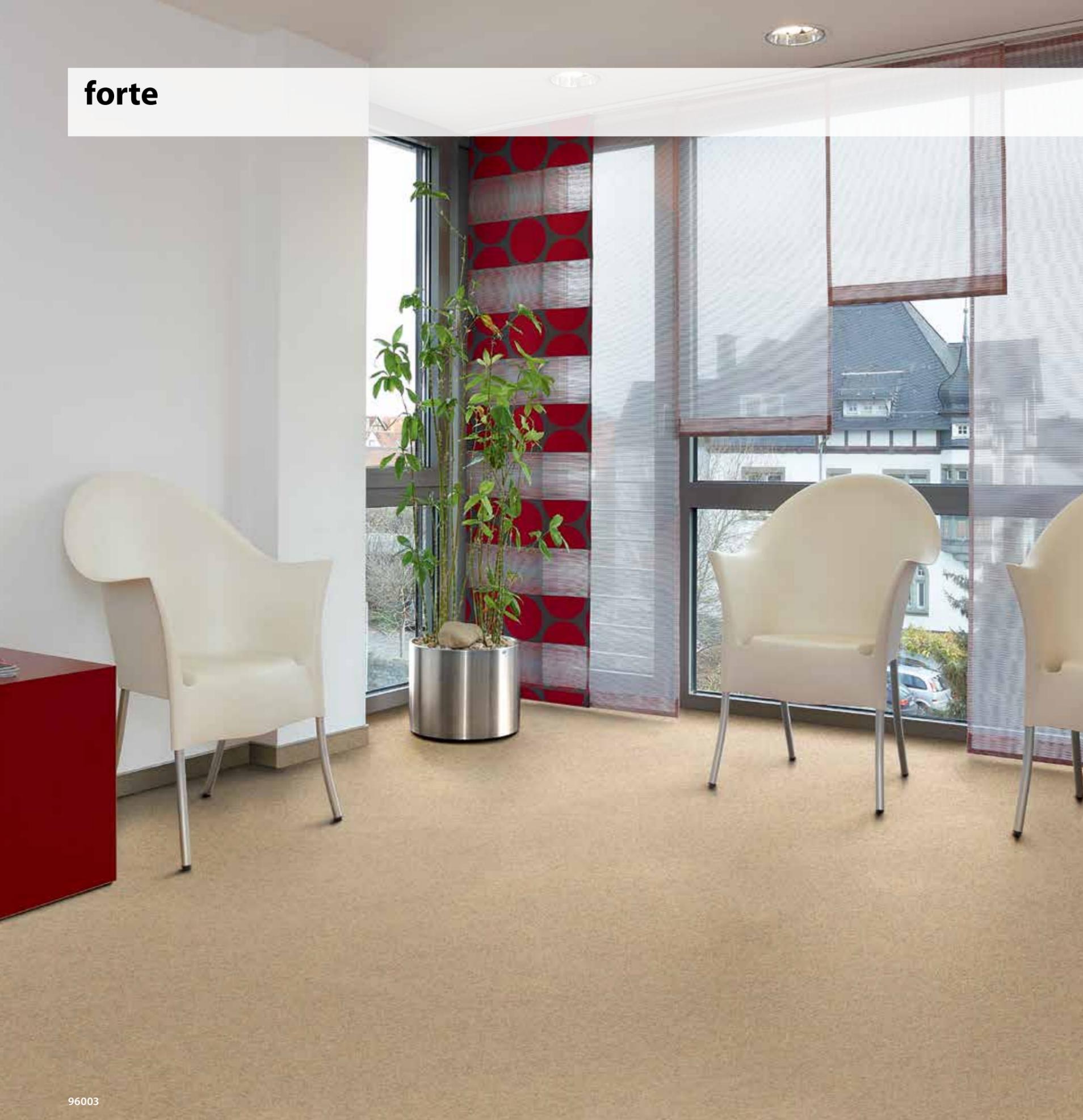
HER 04-32



HER 04-31

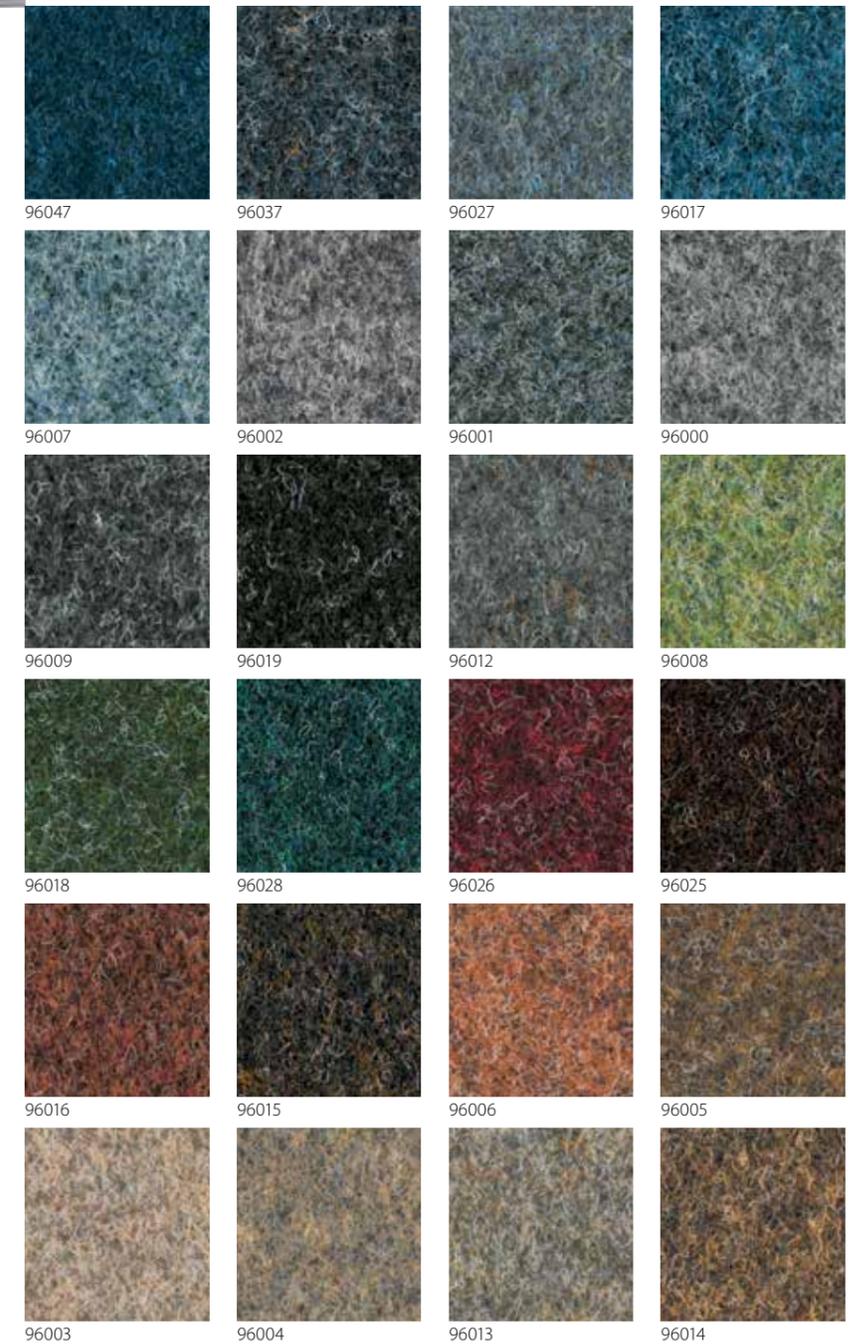


forte



96003

Forte is the premium product in our needlefelt range, offering the maximum feeling of comfort that comes with a fibre weight of approximately 750 g/m². Forte is an impressive premium product. It is available in a range of 24 attractive colours. A very dense texture, with more than three million needle punches per square metre, guarantees a combination of attractive looks and hard-wearing performance for use in highly-frequented areas.

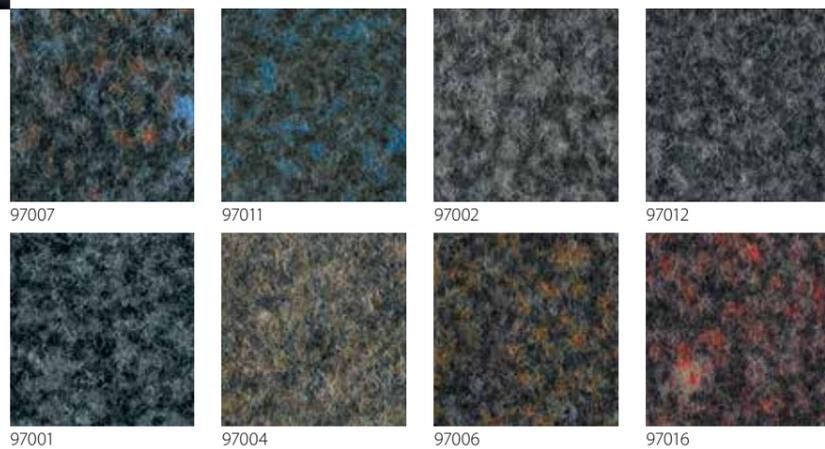


forte graphic reef



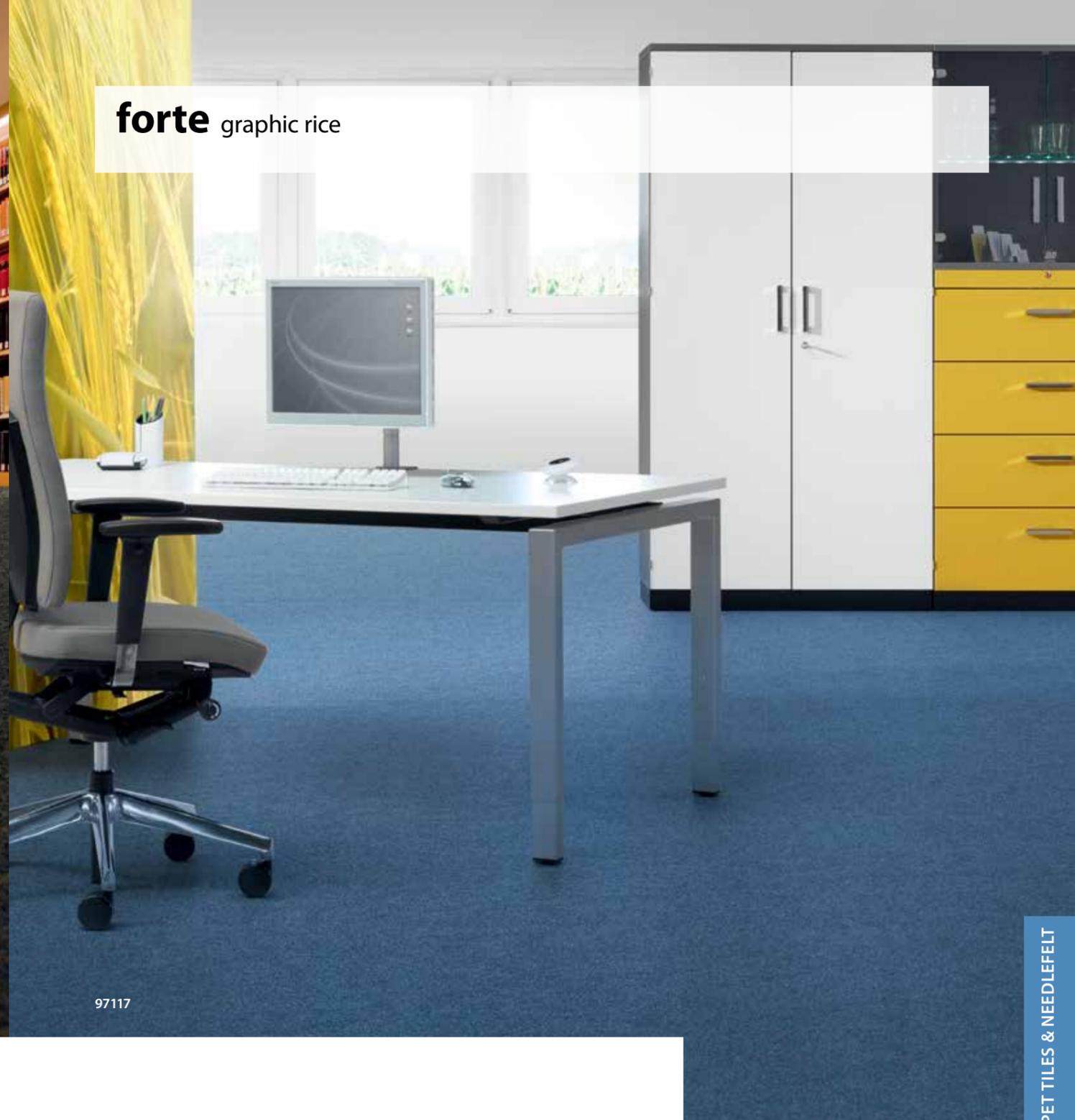
97006

Forte Graphic Reef provides the basis for this newly-developed print design, with colour contrasts that nevertheless work together in total harmony. The range of attractive colour shades shares the common element of varying grey background mottling.

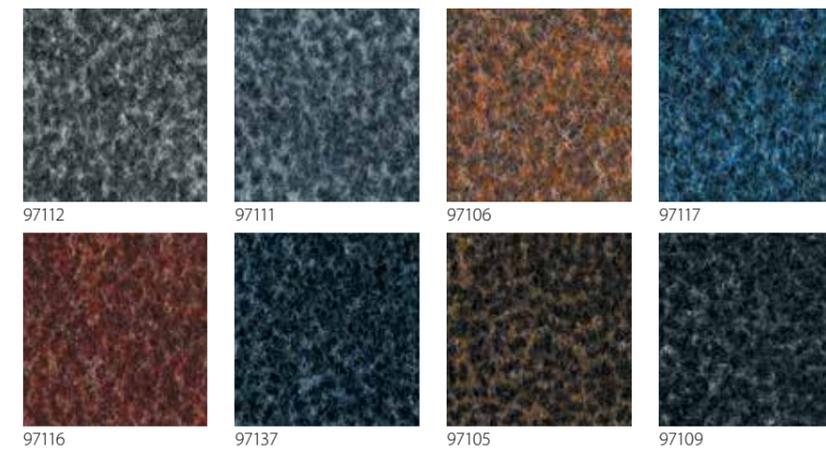


97007 97011 97002 97012
97001 97004 97006 97016

forte graphic rice



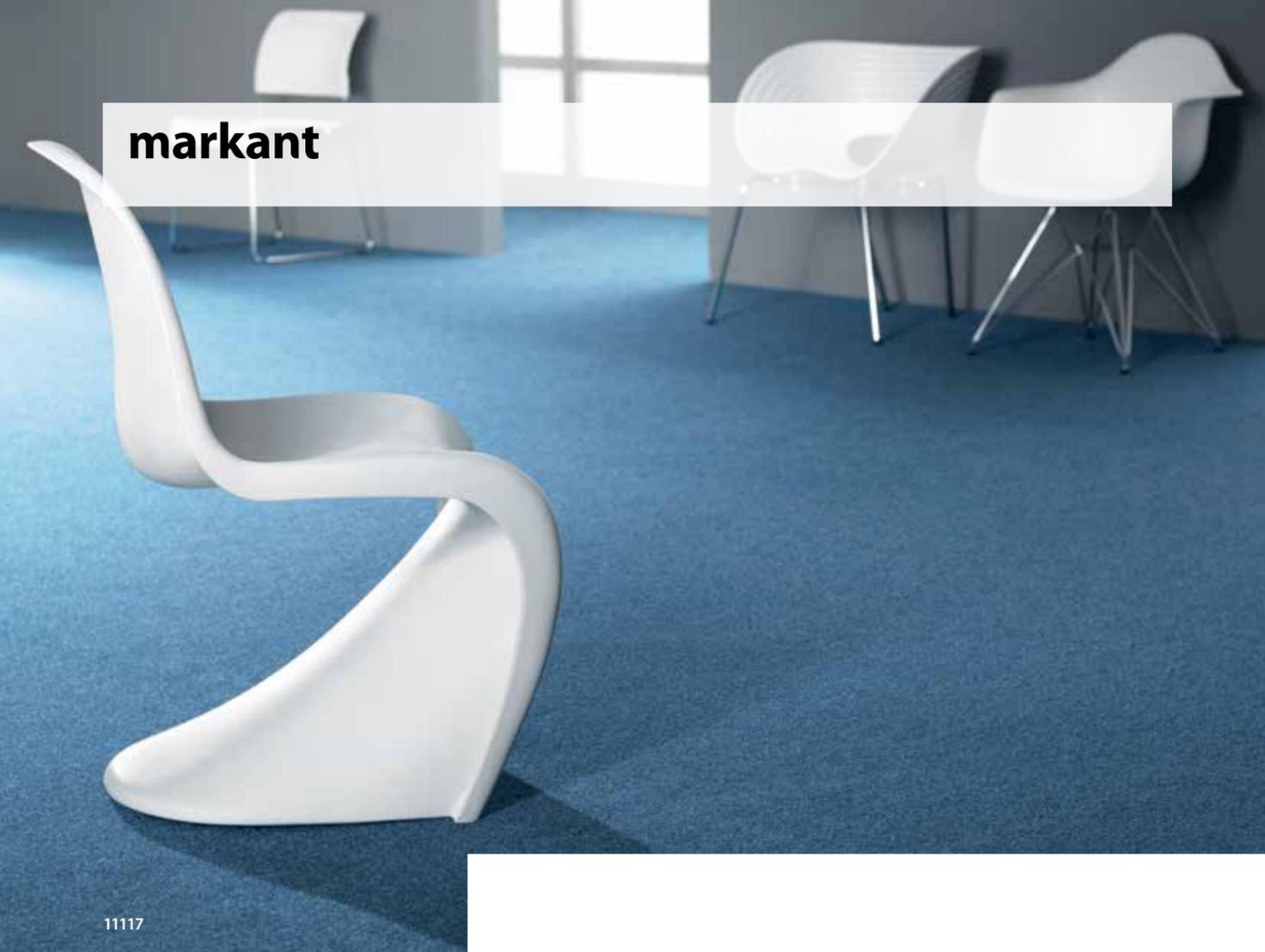
97117



97112 97111 97106 97117
97116 97137 97105 97109

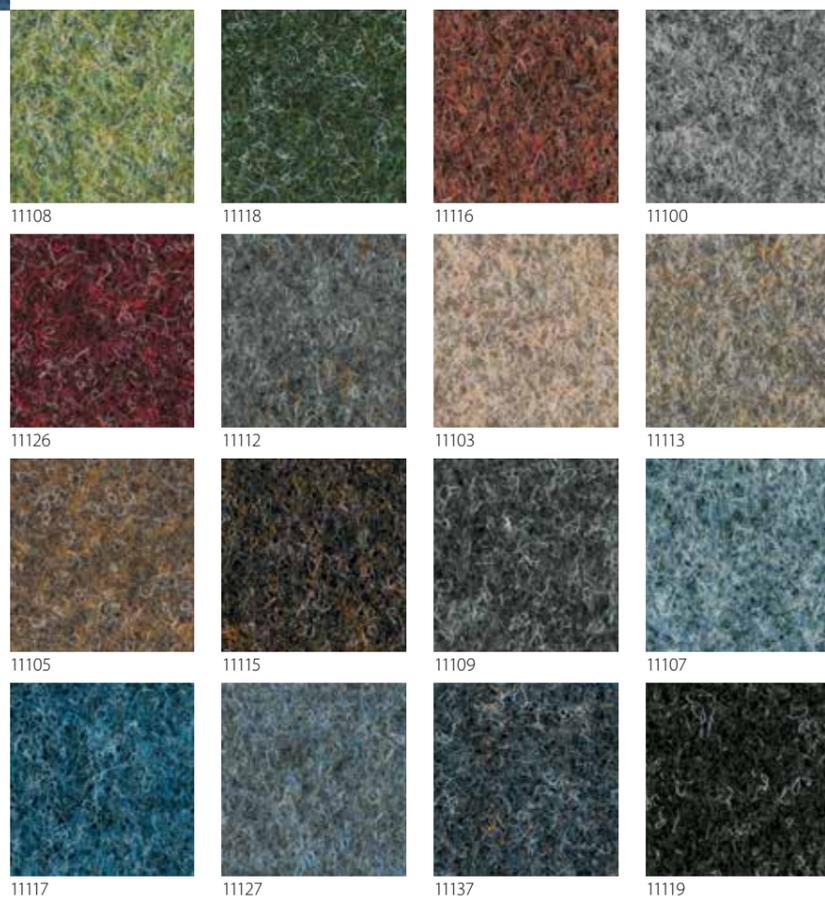
The fine print design of this member of the Forte range accents the delicate texture of its textile-like finish. Forte Graphic Rice is available in 8 attractive colour shades.

markant



11117

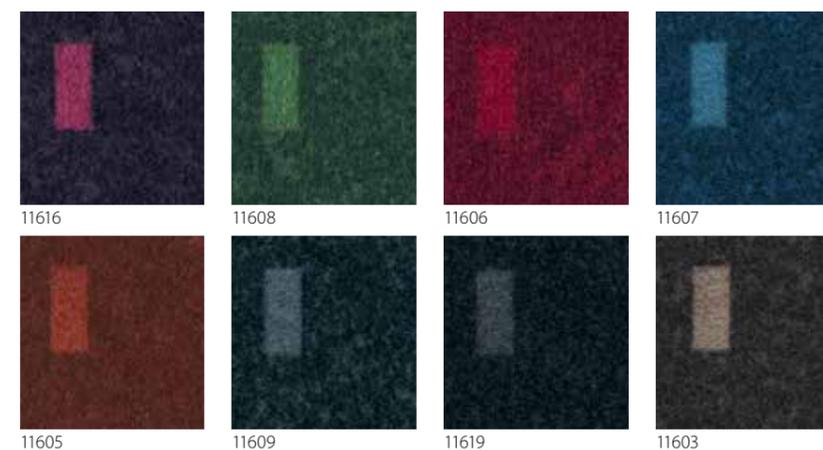
Markant is a high-quality, coarse-texture covering made of 100% polyamide fibres, equipped with all the characteristics required for hard-wearing performance in frequently used places. Markant comes with a fibre weight of approximately 600 g/m².



markant graphic city



11609



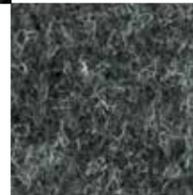
This modern print design, of Markant Graphic Rice as the basis, helps accentuate an interior designer's pure lines. The classical "box" pattern makes it especially suitable for use on large floor-areas.

CARPET TILES & NEEDLEFELT

akzent



10709



10709

Akzent is the value-for-money alternative and the only collection in the range that is made of a combination of 80% polyamide and 20% polypropylene fibres (fibre weight of 500 g/m²), which is nevertheless no lightweight when it comes to hard-wearing performance.



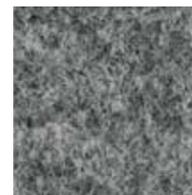
10707



10717



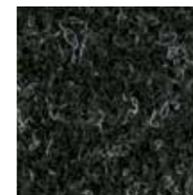
10737



10700



10712



10719



10718



10726



10703



10713



10714



10715

Technical specifications: **needlefelt** and **showtime**

		Forte / Forte Graphic	Markant / Markant Graphic	Akzent	Showtime nuance	Showtime experience
Total thickness	ISO 1765	ca. 6.5 mm	ca. 5.5 mm	ca. 5.0 mm	3.8 mm	3.8 mm
Thickness of wear layer					1.3 mm	1.3 mm
Residential application					Class 23	Class 23
Commercial application	EN 1470	class 33	class 33	class 33	Class 32	Class 32
Roll length		ca. 30 m	ca. 30 m	ca. 30 m	40 m	40 m
Roll width		200 cm	200 cm	200 cm	200 cm	200 cm
Installation method	NF 262				Rolls laid in same direction	Design dependent, refer to brochure
Fibre composition of the wear layer		100% PA	100% PA	80% PA / 20% PP	100% polyamide	100% polyamide
Backing		100% recycled PES	100% recycled PES	100% recycled PES	100% recycled polyester	100% recycled polyester
Construction		fully impregnated	fully impregnated	fully impregnated	Fully impregnated	Fully impregnated
Fibre weight of the wear layer		ca. 750 g/m ²	ca. 600 g/m ²	ca. 500 g/m ²		
Total weight	ISO 8543	ca. 1,5 Kg/m ²	ca. 1,2 Kg/m ²	ca. 1,0 Kg/m ²	750 g/m ²	750 g/m ²
Antistatic properties ISO 10965		≤ 10 ⁷ Ω	≤ 10 ⁷ Ω	≤ 10 ⁷ Ω		
Impact sound reduction	ISO 140-8	22 dB	21 dB	20 dB	ΔLw = 19 dB	ΔLw = 19 dB
Sound absorption	EN ISO 354	aw = 0,20 (H)	aw = 0,20 (H)	aw = 0,20 (H)	aw = 0,15 (H)	aw = 0,15 (H)
Suitability for castor chairs	EN 985	Yes	Yes	Yes	Yes	Yes
Indoor air emissions : TVOC* at 28 days	EN ISO 16000				< 100 µg/m ³	< 100 µg/m ³
Requirement for class A+	(ISO 10580)				< 1000 µg/m ³	< 1000 µg/m ³
GuT label					Application underway	Application underway
REACH - European regulation (Regulation, Evaluation, Authorisation & Restriction of Chemicals)	1907/2006/CE				compliant ⁽¹⁾	compliant ⁽¹⁾
Light fastness	ISO 105/B02	> 6	> 6	> 6		
Water fastness	ISO 105/E01	> 3-4	> 3-4	> 3-4		
Rubbing fastness wet	ISO 105-X12	> 3	> 3	> 3		
Rubbing fastness dry	ISO 105-X12	> 3-4	> 3-4	> 3-4		

All Needlefelt products meet the requirements of EN 14041

EN 14041
CE

Reaction to fire	EN 13501-1	B _n -s1	B _n -s1	B _n -s1	C _n -s1 ⁽²⁾	C _n -s1 ⁽²⁾
Slip resistance	EN 13893	DS ≥ 0.30	DS ≥ 0.30	DS ≥ 0.30	DS (μ ≥ 0,30)	DS (μ ≥ 0,30)
Personal charging	ISO 6356	≤ 2 kV	≤ 2 kV	≤ 2 kV	E ≤ 2 kV, Antistatic	E ≤ 2 kV, Antistatic
Heat transmission resistance	ISO 8302	0,07 m ² K/W	0,06 m ² K/W	0,05 m ² K/W	0,06 W/(m.K), suitable for use with underfloor heating	0,06 W/(m.K), suitable for use with underfloor heating

⁽¹⁾ Showtime products do not contain substances from the candidate list (substances of very high concern) published by the ECHA within the REACH regulation framework

⁽²⁾ When laid on a wood substrate. Achieves A1fl or A2fl when laid on concrete

* TVOC : Total volatile organic compounds : quantity emitted to indoor air



ENTRANCE FLOORING SYSTEMS



3207

ENTRANCE FLOORING SYSTEMS

332 coral

Ever thought about slowing down or stop to wipe your feet when you walk into a store, an office, hospital clinic or school, or other public space? Chances are you don't. Most of us just stride on in, which is why it's important to install an entrance flooring product to keep the world outside, outside.

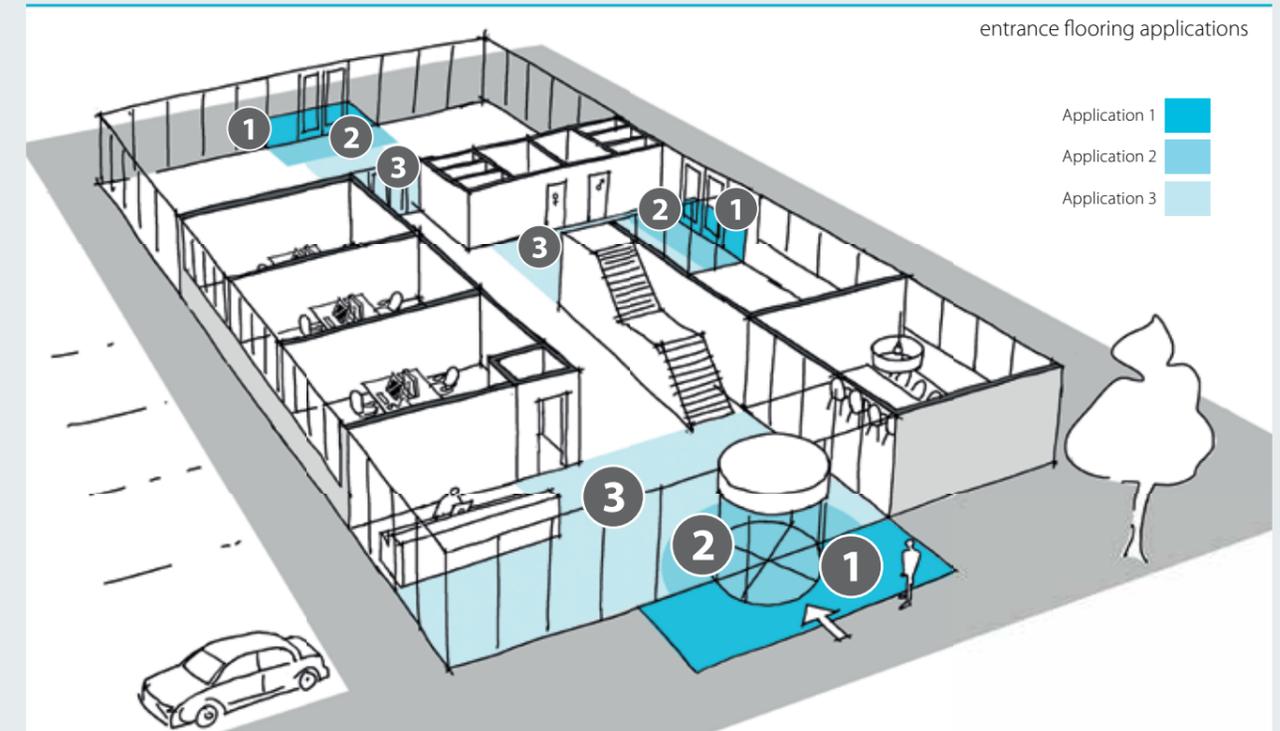
350 nuway

No entrance area is too big, too small or too awkwardly shaped for a Nuway rigid matting system. No level of traffic is too heavy and no level of soiling is too high. Whatever type of rigid engineered system you have in mind, Nuway's experienced sales and technical teams can guide you to a solution tailored perfectly to your needs.

CORAL ENTRANCE FLOORING SYSTEMS

THE FIRST STEPS IN PROTECTING YOUR BUILDING

ENTRANCE FLOORING STARTS OUTSIDE AND BRINGS YOU INSIDE



If you really want to keep your building clean and safe, it's not enough to just put down an entrance mat in front of the door. Creating a good entrance flooring system means thinking about footfall - the number of people walking in and out in a given period - and walking routes

(the directions they take once inside) and applying that information in the design of the entrance area. One of the best ways to plan an entrance flooring system is to think in terms of applications. The table opposite is designed to help you select which Coral entrance product best meets your needs.

Application 1: Outside use
Any matting placed outside the building entrance creates the first line of defense against feet-borne soil by scraping the coarsest dirt from the soles of shoes before they cross the threshold.

Application 2: Inside use
Moving inside, the next line of defense, is used to remove moisture and finer dirt particles from all feet entering the building.

Application 3: Other circulation areas
Other areas in the building also suffer from soil and moisture; reception areas, corridors, walkways to other parts of the building, elevators, staircase exits, etc. All these areas are prone to residual soiling and will benefit highly from a purposely designed Coral entrance floor to absorb this soiling.

Application	moisture removal	dirt removal	ECO	33
coral [®] grip MD 1 + 2	●○○○	●●●●	●○○○	x
coral [®] grip HD 1 + 2	●○○○	●●●●	●○○○	x
coral [®] duo 2	●●●●	●●●●	●●○○	x
coral [®] brush 2 + 3	●●●●	●●●○	●●○○	x
coral [®] welcome 2 + 3	●●●●	●●●○	●●●●	x
coral [®] classic 2 + 3	●●●●	●●○○	●●○○	x
coral [®] luxe 2 + 3	●●●●	●●○○	●○○○	-
coral [®] logo 2 + 3	●●●○	●●○○	●○○○	-



95%

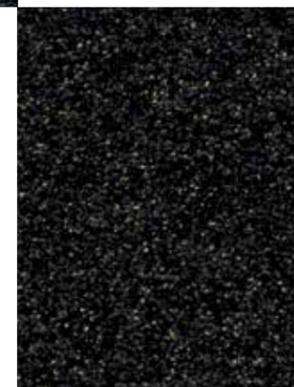
6 metres of Coral can stop up to 95% of dirt and moisture entering a building.

Coral Luxe is particularly designed to enhance the aesthetic appeal of entrance lobbies, corridors and reception areas. Because of its luxurious look and feel, this deceptive soil and moisture barrier blends particularly well with other carpeted areas of the building.

- Rich and elegant appearance
- Comfortable and soft feel
- Offers effective moisture and soil absorption
- Dries quickly for maximum functionality
- Complies with the highest fire class standard: B_{fl}-s1
- Suitable for light industrial use and private applications
- Ideal for circulation areas
- Produced with phthalate free technology



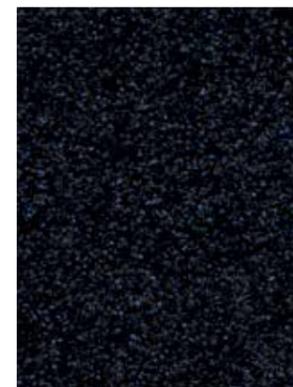
2905



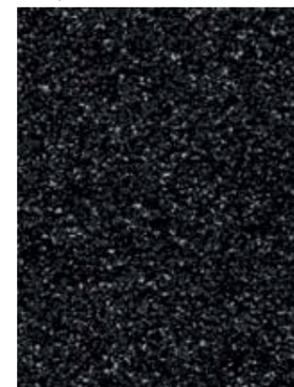
2902 | citrine



2906 | garnet



2907 | sapphire



2901 | diamond



2905 | topaz



2910 | onyx



Primary backing is made from recycled PET bottles

With its contemporary linear design and rich, deep pile, Coral Welcome packs the style and aesthetic appeal of a luxury carpet. But Coral Welcome is more than just a fabulous looking floor covering – it's an environmentally advanced one as well. The secret lies in its use of Econyl® yarn, which is made from regenerated industrial and postconsumer waste. In the creation of Econyl® products our supplier is waste positive, which means the amount of waste removed from the earth is greater than the amount of waste resulting from production. On top of that, the production has a low environmental impact because we limit the consumption of natural resources and energy to a minimum.

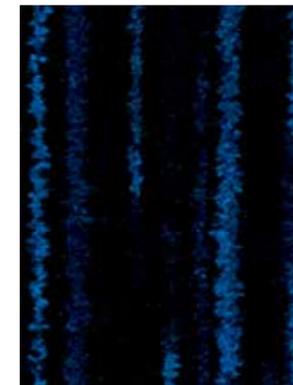
- Made with Econyl® 100% regenerated yarns
- Primary backing made from recycled PET bottles
- Produced with phthalate free technology
- Keeps out moisture and dirt
- Complies with the highest fire class standard: B_{fl}-s1
- Suitable for the toughest commercial use
- Ideal for inside entrance and circulation areas



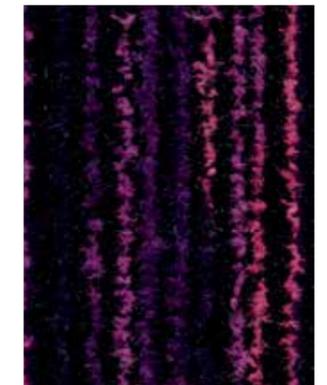
3210 | black magic



3206 | volcano



3207 | blue velvet



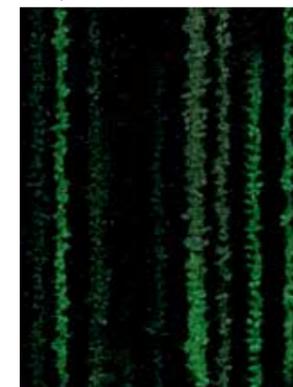
3219 | colour purple



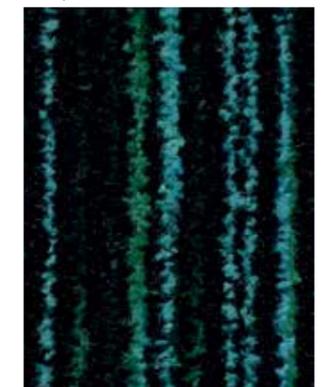
3201 | silver shadow



3202 | desperado



3208 | matrix



3205 | blue lagoon

3208

coral® brush



5709



Coral Brush is suitable for all types of entrance areas, absorbing moisture and removing dry soiling as the weather demands. Created around simple, solid colours, this collection works well with any interior design, serving as eye-catcher or self-effacing support for the rest of the floor design.

- Good all-rounder that keeps out moisture and dirt
- Made with Econyl® 100%-regenerated yarns
- Appealing colours complement every floor
- Complies with the highest fire class standard: B_{fl}-s1
- Suitable for the toughest commercial use
- Ideal for inside entrance and circulation areas
- Produced with phthalate free technology



Many Coral ranges are available with an FR version for fire sensitive areas.



5724 | chocolate brown



5714 | shark grey



5706 | brick red



5723 | cardinal red



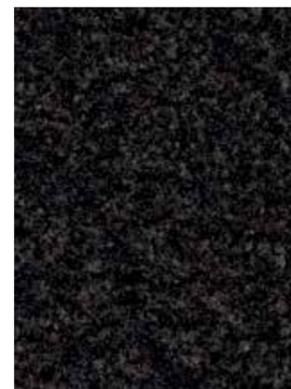
5764 | petrified grey



5767 | slate blue



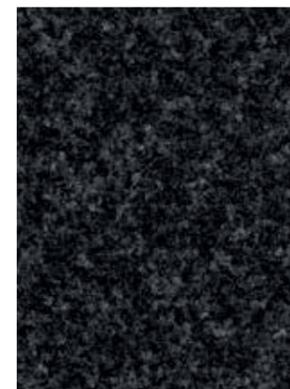
5741 | cannon grey



5715 | charcoal grey



5730 | vulcan black



5710 | asphalt grey



5721 | hurricane grey



5754 | straw brown



5716 | masala brown



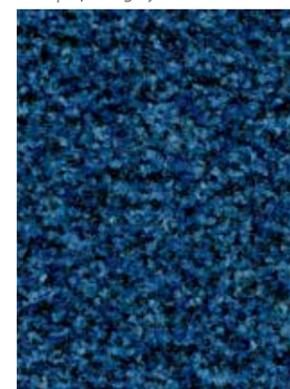
5750 | aztec black



5709 | royal purple



5705 | Bondi blue



5722 | cornflower blue



5727 | stratos blue



TWO SIMPLE STEPS ARE ENOUGH FOR CORAL CLASSIC TO ABSORB...



Research shows that taking just two steps on Coral Classic's moisture absorbing yarns is enough to absorb half of the foot-borne moisture that would otherwise be carried inside on the soles of people's shoes. A few steps more and your feet are as dry as possible. This has clear benefits. First, the floor coverings further inside stay cleaner, longer. Second, resilient floors like vinyl, linoleum, wood and concrete are less likely to become slippery and dangerous.

- Maximum moisture absorption and scrapes off dirt
- Choice of attractive contemporary colours
- Maximum colour fastness
- Complies with the highest fire class standard: B_{f1}-s1
- Suitable for the heaviest commercial and light industrial use
- Ideal for inside entrance and circulation areas
- Produced with phthalate free technology



4727 | navy blue



4730 | raven black



4721 | mouse grey



4701 | anthracite



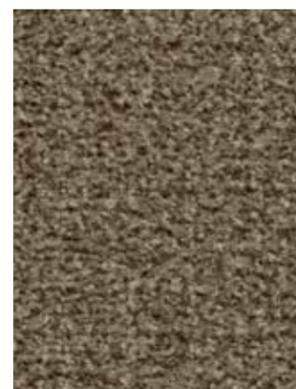
4751 | silver grey



4744 | espresso



4756 | bronzetone



4774 | khaki



4758 | olive



4750 | warm black



4753 | bright red

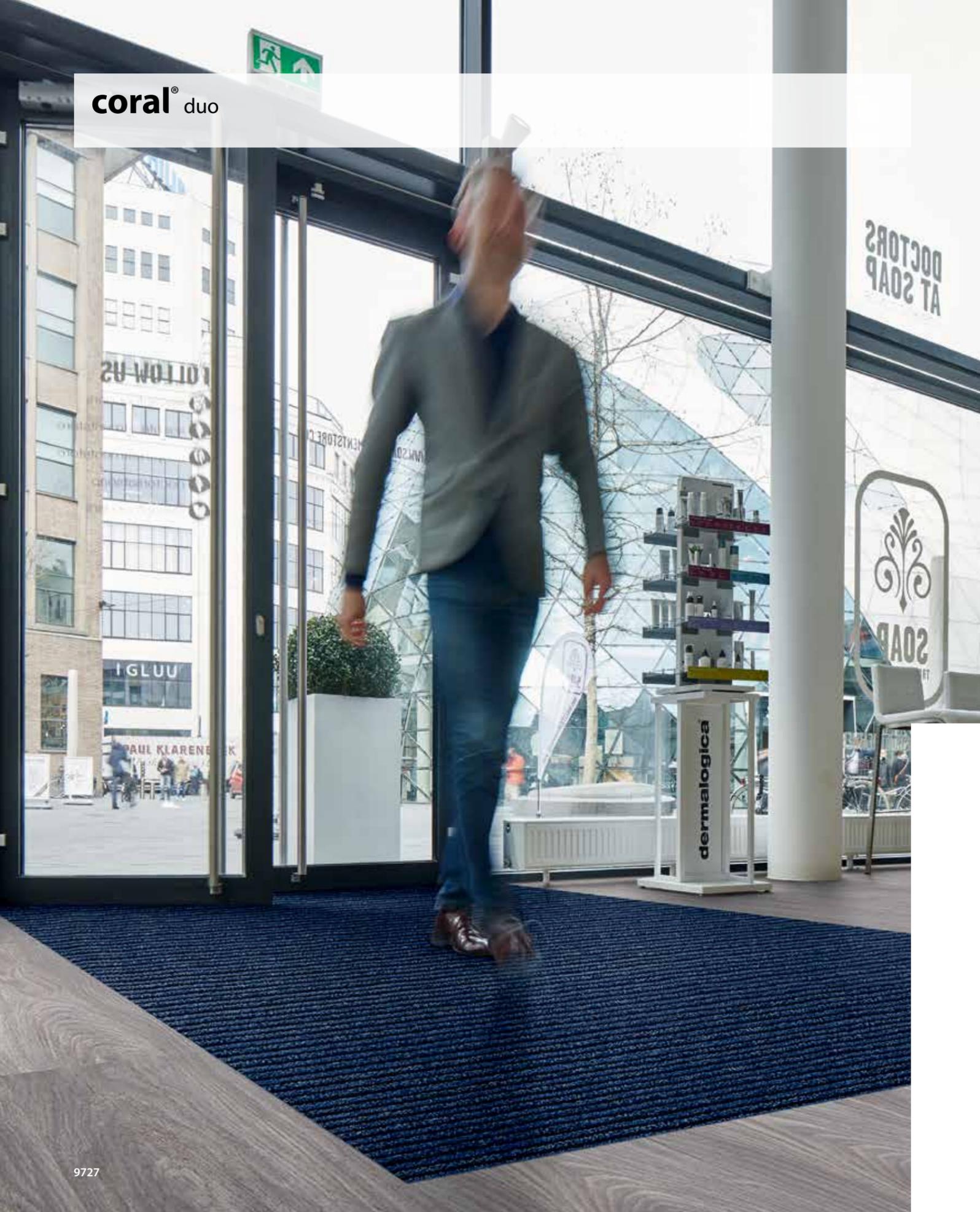


4759 | old rose



4764 | taupe

coral[®] duo



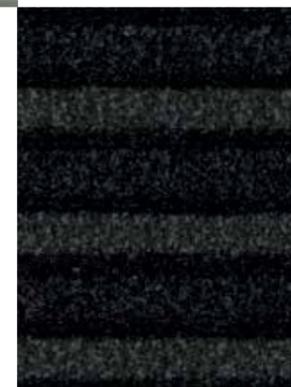
9727

Many Coral products use Econyl[®] yarn which is made from used and abandoned fishing nets.

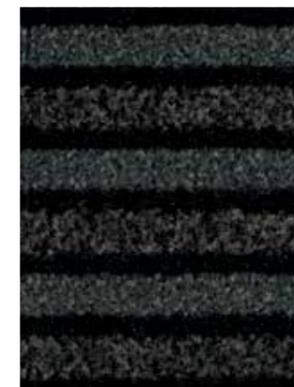


Coral Duo is the go-to solution when you need maximum dirt removal, unrivalled dirt retention and exceptional moisture absorption all in the short distance of just a couple of paces. Research has shown that Coral Duo retains 10% more dirt in the first few metres than any other textile entrance flooring solution on the market.

- Excellent solution for every entrance
- Made for 75% with Econyl[®] 100% regenerated yarns
- Produced with phthalate free technology
- Unbeatable performance on both moisture and dirt
- Complies with the highest fire class standard: B_{fl}-s1
- Suitable for the toughest commercial use
- Ideal for inside entrances with limited entrance floor space



9730 | black diamond



9721 | dark steel



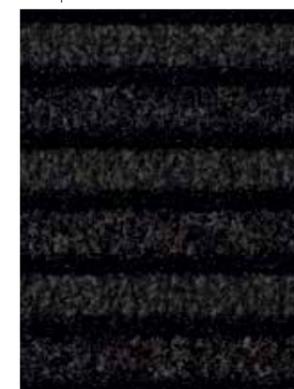
9710 | luna pearl



9723 | African red



9727 | Volga blue



9725 | cafe bahia



9724 | cafe supreme



9714 | Sicilian sand



6145

**REDUCTION
in cleaning
time**
65%

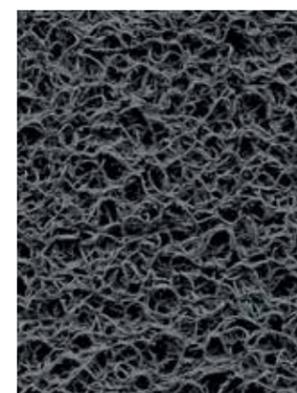
Don't start your entrance floor protection inside, start outside – by scraping off the largest soil particles before your visitors even cross the threshold. Coral Grip is a versatile, non-woven clean off barrier mat for outdoor and indoor use that comes in medium duty (MD) and heavy duty (HD) formats.

Standard Coral Grip has an open, non-backed, pervious structure, though it can also be manufactured with an Everfort vinyl backing to make it impervious.

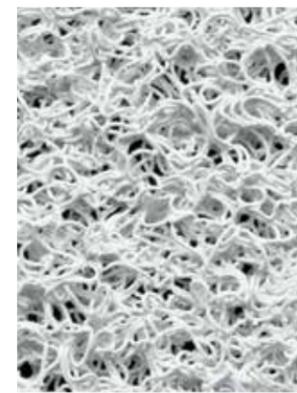
- Contains granulates for maximum non-slip performance
- Cleans off the worst dirt before it can get inside
- Helps protect an inviting interior design street-side
- Suitable for the heaviest commercial use
- Ideal for outside and inside entrance



6141 6121 | ash



6941 6921 | ash



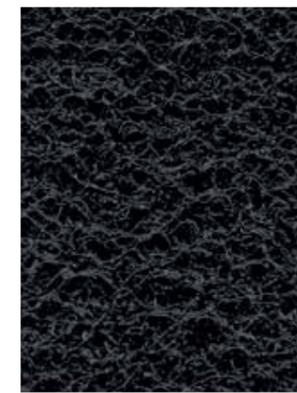
6142 6122 | salt



6942 6922 | salt



6150 6130 | ink



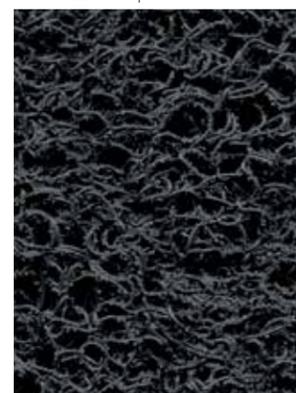
6950 6930 | ink



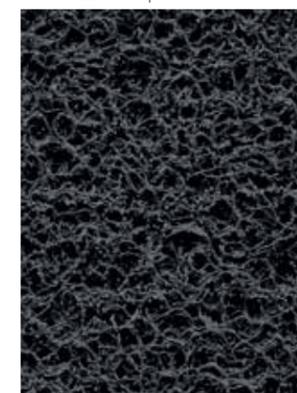
6143 6123 | wine



6943 6923 | wine

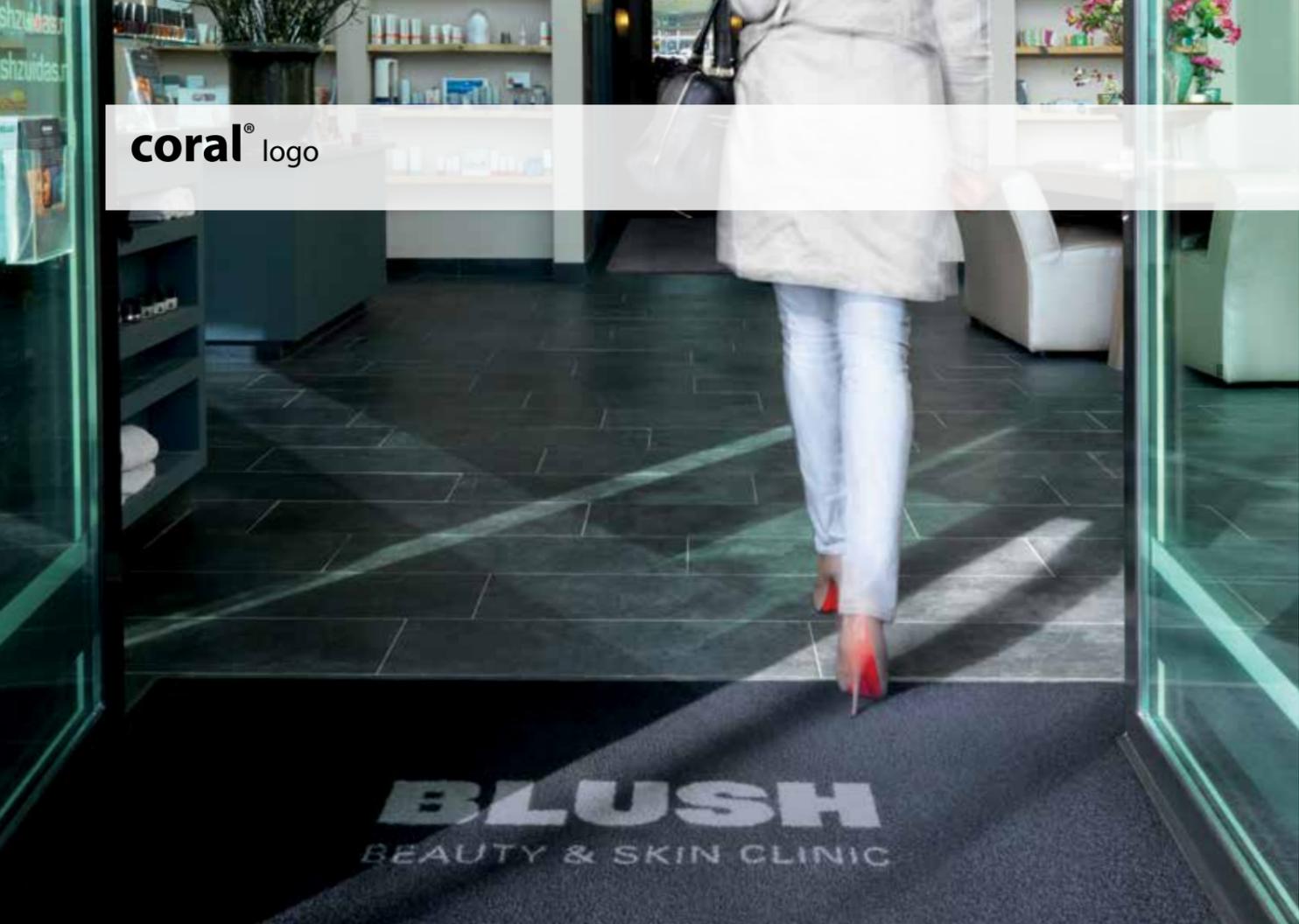


6145 6125 | lead



6945 6925 | lead

61xx = HD
69xx = MD
open structure with backing



Forbo has the capability to offer a bespoke print or cut-out design service that can be tailored to your precise design specification, offering individuality and a unique point of difference. Our Coral Logo collection offers a wide range of bright attractive colours. Depending on the colours and design of your corporate identity, you can choose between a printed mat or one with a cut inset logo. The Coral Logo collection is designed to the same standards as all other Coral products, which means it will retain its looks whilst keeping out dirt and moist for years to come.

Technical specifications coral® logo

Coral Logo (43xx)*		
	Total thickness	ISO 1765 Approx. 8 mm
	Wear classification	EN 1307 31, commercial light
	Available sizes (all sizes are approx.) Roll sizes with 2.5 cm edge each side	Standard mat sizes (sizes with edges)
		Special sizes (sizes without edges)
	Mat sizes with 2.5 cm edge all sides	55 x 90 cm
		105 x 155 cm, 105 x 300 cm
		155 x 197 cm, 155 x 300 cm
		197 x 197 cm, 197 x 300 cm
		up to 192 cm wide
Colour fastness ratings:		
	Light	EN ISO 105/B02 > 5
	Rubbing	EN ISO 105/X12 4-5
	Water	EN ISO 105/E01 4-5
Manufacturing method/type		Tufted, 1/8" cut-pile
Designs		Hi-definition custom print
Pile material		100% High Twist Nylon polyamide
Tuft base		Non-woven polyester
Backing phthalate free vinyl		EVERFORT vinyl
	Total weight	ISO 8543 Approx. 3350 gram/m ²
	Pile installation weight	ISO 8543 Approx. 680 gram/m ²
	Pile thickness	ISO 1766 Approx. 5 mm
	Pile density	ISO 8543 0.113 gram/cm ³
	Number of tufts	ISO 1763 Approx. 110.000/m ²
	Comfort class	EN 1307 LC2
Other remarks		Dirt absorption capacity: 600 g/m ² Moisture absorption capacity: 3-4 l/m ² Production tolerance of 5% on size and colour
		CE EN 14041
All Coral products meet the requirements of EN 14041, excluding loose-laid mats and rugs		
	Fire behaviour	EN 13501-1 B _s -s1
	Slip resistance	EN 13893 DS
	Personal charging	< 2 kV

Re-use waste. All the waste yarn from Coral production is re-used by the yarn supplier.



Printed logo mat

- Excellent visual quality and bright, attractive colours
- Perfect for complicated designs featuring multiple colours
- Choose from any of the colours shown plus Pantone and RAL colour matching
- Stays flat on the floor, causing less trips, due to heavy vinyl backing
- Long lasting and high resistance to sun light
- Excellent performance in removing dirt from your shoes
- Produced with phthalate free technology

Cut inset logo mat

- Ideal for extreme traffic conditions and maximum functional performance
- Choose from any colour from the standard Forbo Coral collection for the base background and logo colours
- Excellent performance due to use of Coral quality products
- Easy to combine as inlay in larger Coral installations
- Produced with phthalate free technology

Technical specifications coral®

		Coral Luxe (29xx)	Coral Welcome (32xx)*	Coral Brush (57xx)*			
 Total thickness	ISO 1765	Approx. 8.5 mm	Approx. 9 mm	Approx. 9 mm			
 Total thickness Coral tiles	ISO 1765	-	-	Approx. 9 mm			
 Wear classification	EN 1307	31, commercial light	33, commercial heavy	33, commercial heavy			
Colours		6	8	18			
 Available sizes (all sizes are approx.) Roll sizes with 2.5 cm edge each side		Rolls	Mats	Rolls	Mats	Rolls	Mats
		105 cm	105 x 155 cm	205 cm	105 x 155 cm	105 cm	55 x 90 cm
		205 cm	135 x 205 cm			155 cm	90 x 155 cm
 Mat sizes with 2.5 cm edge all sides		Roll lengths approx. 20 m				205 cm	135 x 205 cm
				Roll lengths approx. 27.5 m		Roll lengths approx. 27.5 m	205 x 300 cm
Available in tiles		No	No	yes - size: 50 x 50 cm (12 tiles in a box = 3 m ²)			
Colour fastness ratings:							
 Light	EN ISO 105/B02	8	7	>5			
 Rubbing	EN ISO 105/X12	4-5	5	5			
 Water	EN ISO 105/E01	4-5	4-5	4-5			
 Seawater	EN ISO 105/E02	4-5	4-5	4-5			
 Waterstains	EN 1307 annex G	5	5	5			
 Shampoo	BS 1006	4	4-5	4-5			
 Organic solvents	EN ISO 105/X05		4-5	4-5			
Manufacturing method/type		Tufted, 5/32" cut-pile	Tufted, 5/32" cut-pile	Tufted, 5/32" cut-pile			
Designs		Plain colored	Multi-coloured linear	Plain designed/ coloured blend			
Pile material		100% polyamide	100% regenerated Econyl® Nylon	100% regenerated Econyl® Nylon			
Tuft base		Non-woven polyester	100% recycled non-woven PET/Econyl®	Non-woven polyester			
Backing phthalate free vinyl		EVERFORT vinyl	EVERFORT vinyl	EVERFORT vinyl			
 Total weight	ISO 8543	Approx. 4100 gram/m ²	Approx. 3950 gram/m ²	Approx. 4050 gram/m ²			
 Total weight Coral tiles	ISO 8543	-	-	Approx. 4700 gram/m ²			
 Pile installation weight	ISO 8543	Approx. 1000 gram/m ²	Approx. 750 gram/m ²	Approx. 920 gram/m ²			
 Pile thickness	ISO 1766	Approx. 5.5 mm	Approx. 6.3 mm	Approx. 7 mm			
 Pile density	ISO 8543	0.140 gram/cm ³	0.111 gram/cm ³	0.105 gram/cm ³			
 Number of tufts	ISO 1763	Approx. 93000/m ²	Approx. 79300/m ²	Approx. 58000/m ²			
 Comfort class	EN 1307	LC3	LC3	LC3			
All Coral products meet the requirements of EN 14041, excluding loose-laid mats and rugs							
 Fire behaviour	EN 13501-1	B _n -s1	B _n -s1	B _n -s1			
 Slip resistance	EN 13893	DS	DS	DS			
 Personal charging	ISO 6356	< 2 kV	< 2 kV	< 2 kV			

* Also available with fire retardant backing.

Technical specifications coral®

	Coral Classic (47xx)*	Coral Duo (97xx)*	Coral Grip HD (61xx)	Coral Grip MD (69xx)				
	Approx. 9 mm	Approx. 9 mm	With backing approx. 17 mm Open structure approx. 16 mm	With backing approx. 12 mm Open structure approx. 11 mm				
	Approx. 9 mm	-	-	-				
	33, commercial heavy	33, commercial heavy	33, commercial heavy	33, commercial heavy				
	13	8	5	5				
	Rolls	Mats	Rolls	Mats	Rolls	Mats	Rolls	Mats
	105 cm	55 x 90 cm	205 cm	No mats	open 122 cm, with backing 127 cm	60 x 90 cm	open 122 cm, with backing 127 cm	60 x 90 cm
	155 cm	90 x 155 cm				Mats only with open structure		Mats only with open structure
	205 cm	135 x 205 cm						
	Roll lengths approx. 27.5 m	205 x 300 cm	Roll lengths approx. 27.5 m		Roll lengths approx. 10 m		Roll lengths approx. 15 m	
	yes - size: 50 x 50 cm (12 tiles in a box = 3 m ²)	No	No	No				
	7-8	>5	7	7-8				
	4-5	4-5	4-5	4-5				
	4-5	4-5	5	5				
	4-5	5	5	5				
	4-5	5	5	5				
	4-5	4-5	5	5				
	4-5	4-5	4-5	4-5				
	Tufted, 5/32" cut-pile	Tufted, 5/32" cut-pile	Non Woven scraping mat with embossing	Non Woven scraping mat				
	Multi coloured designed/coloured	ribbed	3-dimensional interconnected monofilaments	3-dimensional interconnected monofilaments				
	100% polyamide-BCF solution dyed	100% polyamide-BCF, where 75% is regenerated Econyl® Nylon	100% vinyl Solution dyed	100% vinyl Solution dyed				
	Non-woven polyester	Non-woven polyester						
	EVERFORT vinyl	EVERFORT vinyl	Open structure or with EVERFORT vinyl backing	Open structure or with EVERFORT vinyl backing				
	Approx. 4000 gram/m ²	Approx. 3800 gram/m ²	With backing: approx. 8100 gram/m ² Open structure: approx. 5500 gram/m ²	With backing: approx. 6500 gram/m ² Open structure: approx. 3500 gram/m ²				
	Approx. 4700 gram/m ²	-	-	-				
	Approx. 870 gram/m ²	Approx. 670 gram/m ²						
	Approx. 7 mm	Approx. 6 mm						
	0.100 gram/cm ³	0.095 gram/cm ³						
	Approx. 61500/m ²	Approx. 32000/m ²						
	LC3	LC2						
	B _n -s1	B _n -s1	With backing: B _n -s1	With backing: B _n -s1				
	DS	DS	DS: μ0,78	DS: μ0,82				
	< 2 kV	< 2 kV	< 2 kV	< 2 kV				



NUWAY ENTRANCE FLOORING SYSTEMS



Nuway

The recognised market leader in engineered entrance flooring systems, Nuway matting has been efficiently removing dirt, grit and moisture from the soles of shoes and tyre treads in heavily trafficked entrance areas for over eighty years. No entrance area is too big, too small or too awkwardly shaped for a Nuway matting system. No level of traffic or soiling is too high. Whatever type of rigid engineered system you have in mind, Nuway's experienced sales and technical teams can guide you to a solution tailored perfectly to your needs.

The tough and durable rigid engineered mats can be integrated seamlessly into your interior design scheme and once installed appear to be part of the fabric of your building. They can be supplied to meet every conceivable aesthetic and technical specification, with an almost infinite range of designs, colour ways, sizes and constructions available for internal and external entrance areas. They can also be teamed up perfectly with Coral textile entrance matting to create stunning fully integrated, colour coordinated entrance areas.

nuway[®] tuftiguard

At the heart of the Nuway range, the standard Tuftiguard entrance mat is the most widely used rigid engineered entrance mat. It has the durability, strength and structural integrity to deliver excellent performance and appearance retention in very heavy traffic locations and where high levels of soil have to be removed from the soles of shoes and wheeltreads.

Each Tuftiguard mat is assembled according to the client's individual specification using their chosen combinations of aluminium (100% recycled), brass or PVC scraper bars, and buffed or unbuffed prime

rubber and polyamide fibre composite wiper strips. These wiper strips and PVC scraper bars are offered in a wide range of colours, enabling the Tuftiguard mat to be perfectly coordinated with a Coral clean off system or other surrounding floor finishes. The wiper bars and scraper strips are assembled in an open or closed construction with high tensile electro galvanised steel wire linkages running through the components to give the mat its structural integrity and superior load bearing capacity.

Linkages:

High tensile steel linkages give the system an engineered, constructional integrity.



Scraper bars:

As the name suggests scraper bars literally scrape soil from the traffic crossing the entrance system.



Wiper strips:

Wiper strips can be specified in both single and double format. Double offers twice the wiping area to increase moisture absorption over a shorter distance.

Reversible:

Tuftiguard are double sided mats which can be reversible, effectively doubling their lifespan.



Options available:

Height

Standard Tuftiguard mats incorporating aluminium and PVC scraper bars are available in 12mm and 17mm heights to suit the size of the matwell. Mats incorporating brass scraper bars are available in 17mm height only.

Wiper strips

Tuftiguard wiper strips can be specified in both single and double format. Double format offers twin wiper strips to increase moisture absorption over a shorter distance and enables more colour to be used to reflect the interior colour scheme. If the Nuway entrance system extends less than 3m into the building, we recommend that an entrance with double wiper strips is used.

Closed construction

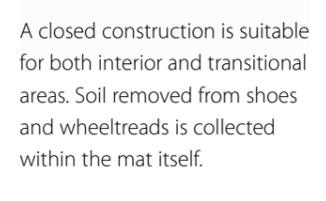
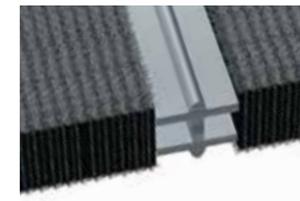
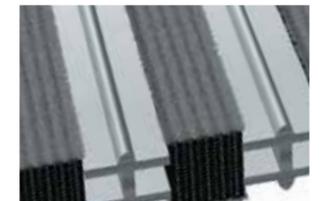
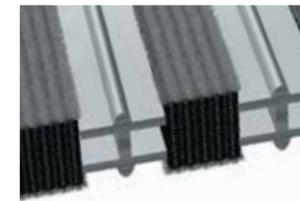
A closed construction is suitable for both interior and transitional areas. Soil removed from shoes and wheel-treads is collected within the mat itself. The gapless nature of the closed construction allows for maximum use of coloured wiper strips to complement interior design schemes.

Open construction

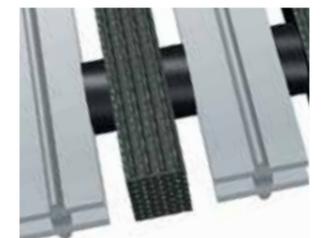
An open construction provides more storage capacity for wet and dry soil and is therefore particularly suitable for external use. Removed particles and moisture can fall through the open sections in the mat to be collected in the matwell.

Mix and match

As Tuftiguard is produced in modules to individual specifications, a single section of matting may contain any number of different combinations, including open and closed constructions, single and double wiper bars, unbuffed and buffed finishes, featuring any combination of colours.



Wiper strips can be specified in both single and double format. Double offers twice the wiping area to increase moisture absorption over a shorter distance.



An open construction provides more storage capacity for wet and dry soil. Removed particles and moisture can fall through the open sections in the mat.

nuway[®] tuftiguard HD

Nuway Tuftiguard HD is the ideal matting solution for all internal and external entrance areas where heavy duty loads and intense pedestrian and/or wheeled traffic need to be catered for.

Matting placed outside will defend against soil and the coarsest of foot-borne dirt. Inside it will defend against foot-borne moisture and finer dirt particles.

The location, type and level of traffic affects the choice of product. Tuftiguard HD is suitable for very heavy and intense traffic areas and for entrances with high point loads up to 900kg/cm²

Nuway Tuftiguard HD is double sided which means it can be reversible where the configuration of the entrance mat allows, effectively doubling its lifespan.

Nuway Tuftiguard HD offers products suitable for both internal and external entrances.

nuway[®] flameguard

Suitable for internal and external use, Nuway flameguard is specifically designed for particularly fire sensitive areas such as underground railway stations. Nuway Flameguard is suitable for both internal and external entrance applications. Flameguard is double sided which means it can be reversible where the configuration of the entrance mat allows, effectively doubling its lifespan.



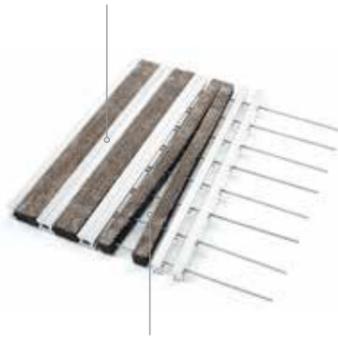
Linkages:

High tensile steel linkages give the system an engineered, constructional integrity.



Scraper bars:

As the name suggests scraper bars literally scrape soil from the traffic crossing the entrance system.



Wiper strips:

Prime rubber and polyamide fibre composite provides optimum removal of dirt and moisture.

Reversible:

Nuway Tuftiguard HD is double sided which means it can be reversible where the configuration of the entrance mat allows, effectively doubling its lifespan.



nuway[®] grid

Nuway Grid is a contemporary alternative to Nuway Tuftiguard and is ideal solution in very heavy traffic entrance areas where aesthetic considerations are paramount. Grid is also easy to shape on site.

Every Nuway Grid mat features 100% recycled, extruded aluminium interlocking carrier sections for durability, with infill strips joined together by rubber double connecting strips. The aluminium sections have a low-lustre anodised finish to comply with DDA requirements. Grid is constructed to spread heavy loads and to offer long lasting effective performance in demanding locations. The carrier sections can be coupled with infill materials providing maximum design flexibility, allowing beautifully colour co-ordinated entrance areas to be created with primary and secondary entrance matting products that are perfectly matched. These materials include strips of textile infill in 13 different colourways drawn from the Coral classic and brush activ ranges. Other textile inserts from the Coral range are available to special order. Rubber inlays are also available, which allow grid mats to be used outside.

	Nuway Grid rubber	Nuway Grid textiel
Indoor application	✓	
Outdoor application		✓
Wiper strip	Black rubber	Coral Classic, Brush Pure
Scraper bars	Aluminium and brass	
Aluminium height	12 mm or 17 mm	12 mm or 17 mm
Inlay height	14 mm – 23 mm	14 mm – 23 mm
Mat construction	Closed	
Dirt removal	✓	✓
Moisture absorption		✓
Guarentee	5 year	
Level of traffic	Very heavy	

Component structure:

Inserts:

Extensive choice of standard inserts includes a selection of thirteen different textile inserts from the Coral classic, brush activ and burford ranges and rubber inserts (for exterior entrances).



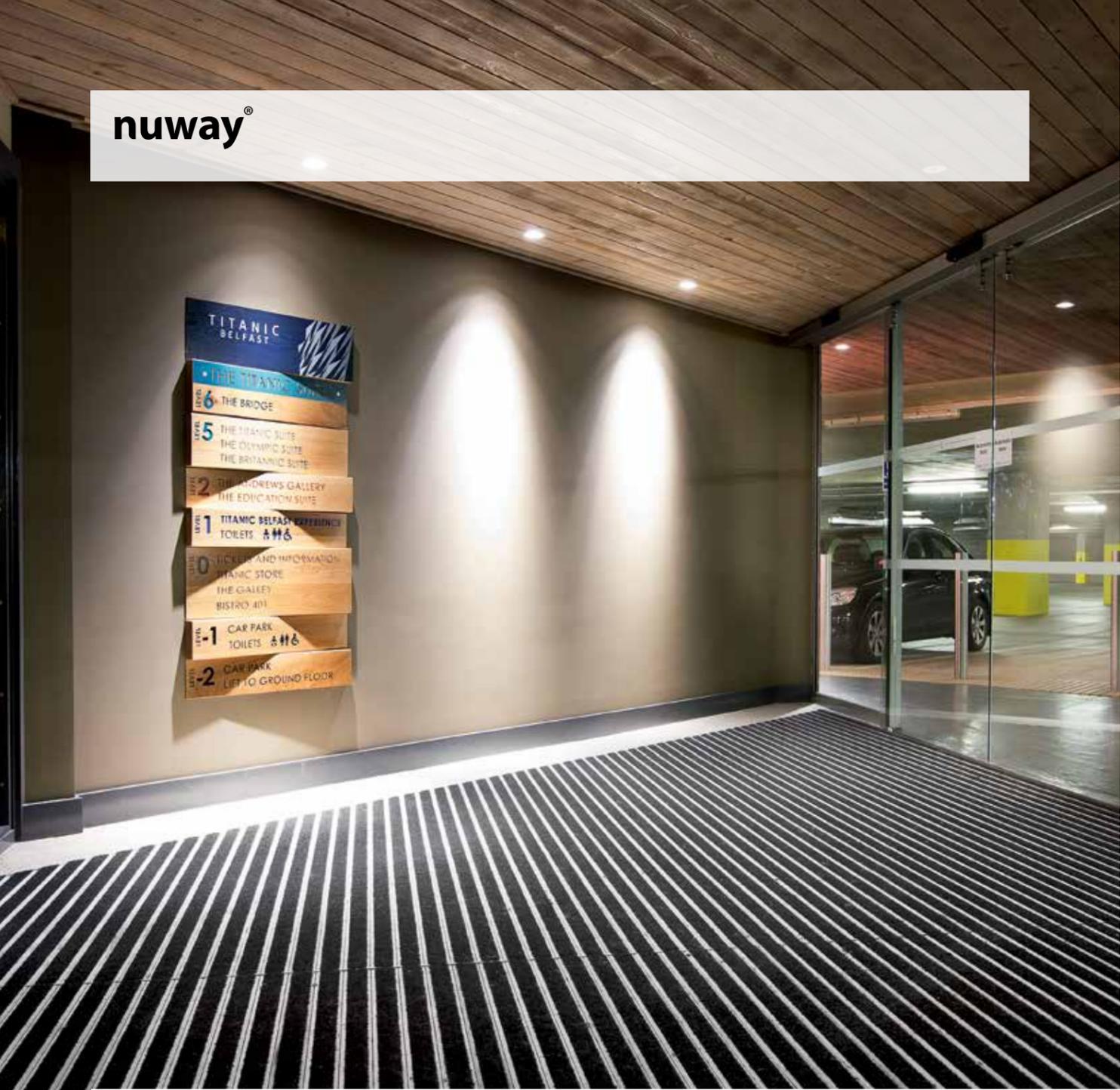
Carrier section:

Low lustre anodised finish complies with DDA requirements as detailed in the Equality Act. Patented crimping action firmly secures textile or rubber insert within the carrier section.

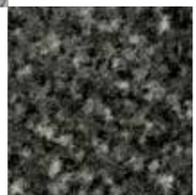
Considerations

As with all aluminium matting systems of this type, in very brightly lit entrances, the strong contrast between a light aluminium carrier and a dark coloured insert can sometimes create a strobe effect which should be prevented. To avoid disorientating pedestrians affected by this type of visual disturbance, consider using a less contrasting insert.

If you are considering using rubber inserts for an exterior mat in an exposed entrance we recommend using a combination of rubber and bristle or Ultragrip rubber for maximum slip resistance.



Coral Classic



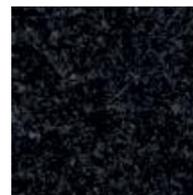
4701 | anthracite



4730 | raven black



4727 | navy blue



5730 | vulcan black



5714 | shark grey



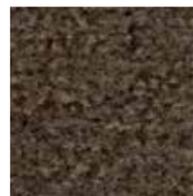
5727 | stratos blue



4752 | striking red



4744 | espresso



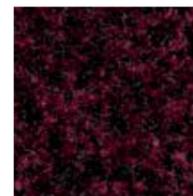
4766 | spice brown



5719 | bossanova purple



5724 | chocolate brown



5729 | sangria red

Coral Brush Pure

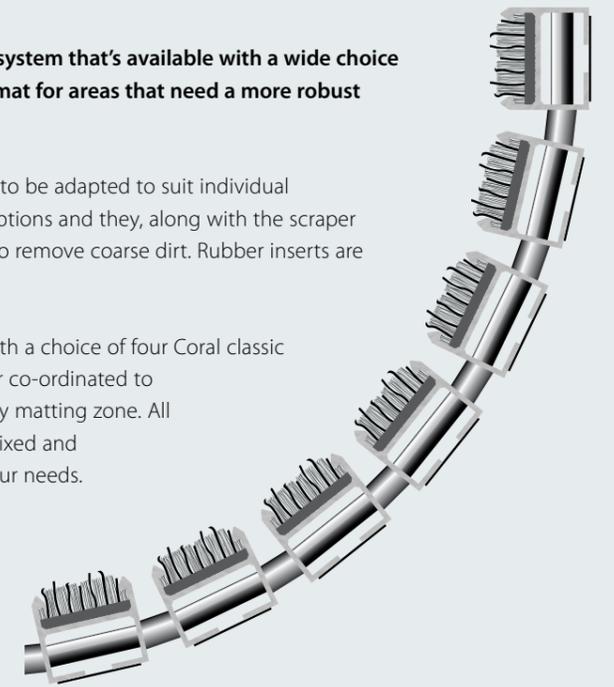
nuway® cable

Nuway cable is a versatile roll-up single sided entrance system that's available with a wide choice of inserts and accessories. It's also available in a MD format for areas that need a more robust single sided mat.

With a wide choice of inserts, Nuway cable allows the mat to be adapted to suit individual requirements. Bristles are available in single or three row options and they, along with the scraper accessory, can be used for exterior and interior entrances to remove coarse dirt. Rubber inserts are available for use in exterior entrances.

For the internal primary matting zone, Cable is available with a choice of four Coral classic inserts which allows the rigid entrance system to be colour co-ordinated to matching Coral classic sheet product used in the secondary matting zone. All four elements, Coral, bristles, scraper and rubber, can be mixed and matched to create the precise entrance system to meet your needs.

Cable is also available in a wide choice of heights from 10mm depth to 22mm with the 22mm option also available in a medium duty format. Open construction Cable mats can be rolled up for ease of cleaning of the matwell. Due to the construction of the mat, Cable mats are unsuitable for shaping on site.



Specials

There may be times when different colourways are needed. Different colours are available at a small price premium, but there is a minimum order quantity of 10m² and the lead time will increase slightly.



	Nuway Cable	
	Nuway Cable textile	Nuway Cable rubber and bristle
Outdoor		✓
Indoor	✓	✓
Insert	Coral Classic (4 colours)	Rubber or 3 row bristle
Replaceable inserts	No	
Carrier	Aluminium	
Depth to height of aluminium	10, 17, 22 and 22mm MD (3 row bristles in 17 and 22mm only)	
Depth to height of insert	13, 20, 25 and 25mm MD (3 row bristles in 20 and 25mm only)	
Construction	Open	
Mix and match inserts	✓	✓
Accessoires	3 row bristle available in 17 and 22mm product. Scraper and 1 row bristle available in 22mm product only	
Removes dirt	✓	✓
Removes moisture	✓	
Rollable	✓	✓
Guarentee	1 year	
Suitable for shaping on site	No	
Level of traffic	Very heavy*	

* Level of traffic
Medium: small office
Heavy: school, shop, large office
Very heavy: Shopping mall entrance

nuway[®] connect

Nuway Connect is a very versatile roll-up single sided entrance system that's easy to shape on site, making it ideal for awkwardly shaped entrances. It's also available with a wide choice of inserts allowing the mat to be adapted to suit individual requirements.

- Bristles can be used for exterior and interior entrances to remove coarse dirt.
- Rubber inserts can be used for interior and exterior use.
- Ultragrip rubber inserts have been tested using the Pendulum (the HSE recommended test method) in accordance with BS7976-2 and the UK Slip Resistance Group Guidelines and offer a low slip risk in wet and dry conditions.
- Ultragrip rubber offers excellent sure footing and is ideal for multi-directional entrances. Its high rubber content prevents it getting slippery when wet.
- Ultragrip rubber offers improved underfoot comfort and moisture removal due to its 'pocket' design. It also offers excellent fire rating properties.
- A choice of 6 Coral classic inserts allows colour co-ordination with matching Coral classic sheet product used in the secondary matting zone.
- All four elements, Coral, bristles, rubber and Ultragrip rubber, can be mixed and matched to create the precise entrance system to meet your needs.
- All inserts can also be replaced on site helping to extend the wear life of the product.
- Available in a wide choice of heights from 10mm depth to 22mm and in open or closed construction.
- Open construction Connect mats can be rolled up for ease of cleaning
- The patented product design ensures that the mat can only be rolled inwardly, helping to prevent the bow wave that can occur on other rollable products.



Technical specifications: nuway

NUWAY CONNECT WITH CORAL CLASSIC TEXTILE INSERT

Combination	Textile only						Textile and 4 row bristle					
	Open			Closed			Open			Closed		
System	10mm	17mm	22mm	10mm	17mm	22mm	10mm	17mm	22mm	10mm	17mm	22mm
Depth to height of aluminium (mm)	8	14	19	8	14	19	8	14	19	8	14	19
Depth to height of insert (mm)	11	17	22	11	17	22	15	21	26	15	21	26
Distance between the profiles (mm)	5			0			5			0		
Weight (kg)	9.5	13.2	14.9	10.5	15.1	17.1	11.1	15.1	16.9	12.4	17.4	19.4
Max width per module (mm)	3000											
Max depth per module (mm)	Relates to the weight											
Max weight per module (kg)	23											
Dynamic load (kg) 2 wheels, 80mm 20,000 passes	200	200	200	200	200	200	50	50	50	50	50	50
Static load (kg/sqcm)	200	200	200	200	200	200	100	100	100	100	100	100
Fire behaviour EN ISO 9239-1	B _{fl} s1						C _{fl} s1					
Frame	A selection of recessed matwell frames are available, please see page 4.0.2 for details											
Ramp frame	ARF 50	ARF 70		ARF 50	ARF 70		ARF 50	ARF 70		ARF 50	ARF 70	
Material and manufacturing method	Anodised aluminium profiles with PVC connector profiles, stainless steel clips											
Wiper design	Coral clean-off system						Coral clean-off system and 4 row bristles					
Wiper material	100% polyamide BCF						100% polyamide BCF for both textile and bristles					

NUWAY CONNECT WITH BRISTLE

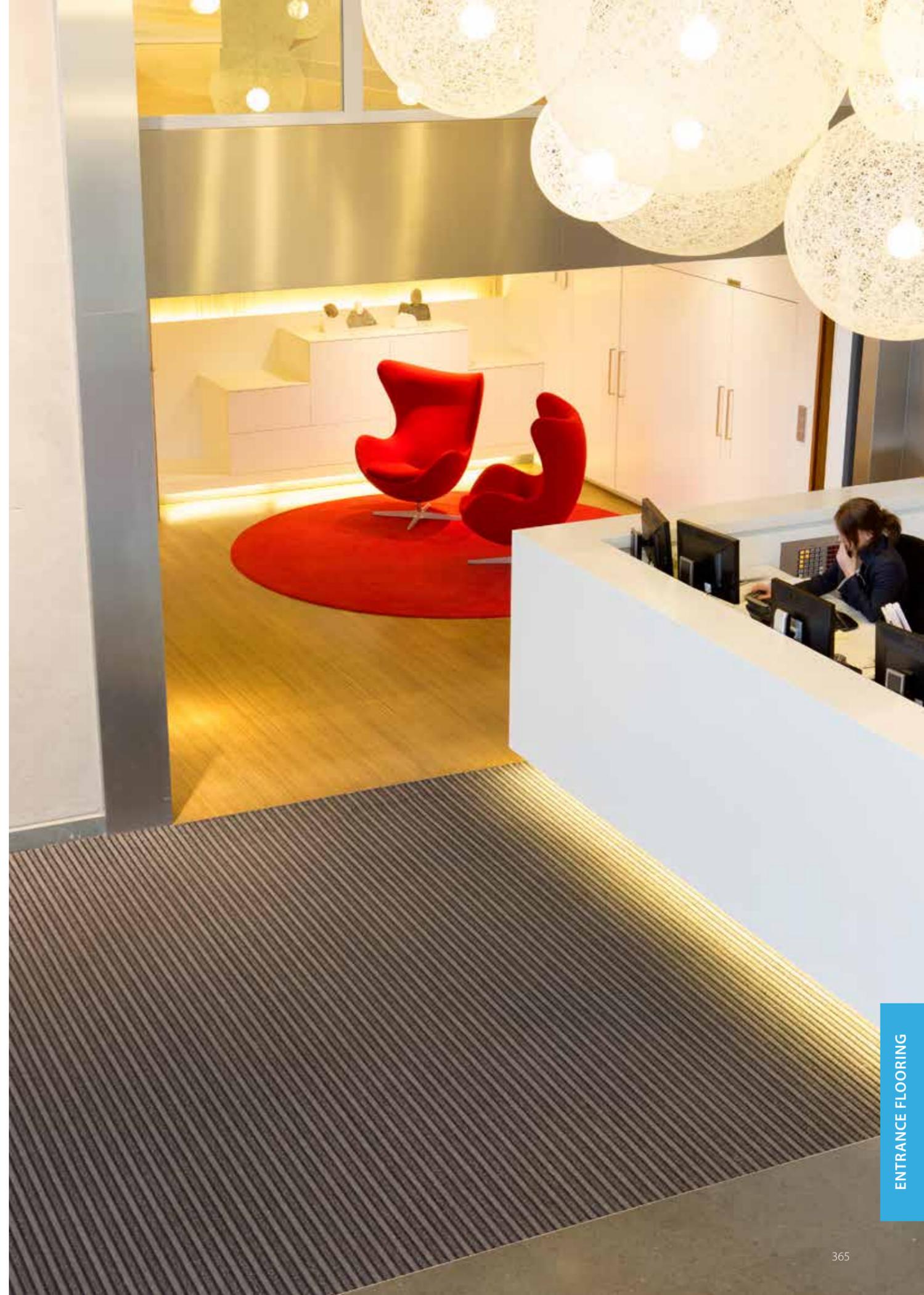
Combination	Bristle only						Bristle and Rubber					
	Open			Closed			Open			Closed		
System	10mm	17mm	22mm	10mm	17mm	22mm	10mm	17mm	22mm	10mm	17mm	22mm
Depth to height of aluminium (mm)	8	14	19	8	14	19	8	14	19	8	14	19
Depth to height of insert (mm)	15	21	26	15	21	26	15	21	26	15	21	26
Distance between the profiles (mm)	5			0			5			0		
Weight (kg)	12.7	17.1	18.8	14.2	19.6	21.6	12.3	16.6	18.3	13.8	19.1	21.1
Max width per module (mm)	3000											
Max depth per module (mm)	Relates to the weight											
Max weight per module (kg)	23											
Dynamic load (kg) 2 wheels, 80mm 20,000 passes	50	50	50	50	50	50	50	50	50	50	50	50
Static load (kg/sqcm)	100	100	100	100	100	100	100	100	100	100	100	100
Fire behaviour EN ISO 9239-1	C _{fl} s1						C _{fl} s1					
Frame	A selection of recessed matwell frames are available, please see page 4.0.2 for details											
Ramp frame	ARF 50	ARF 70		ARF 50	ARF 70		ARF 50	ARF 70		ARF 50	ARF 70	
Material and manufacturing method	Anodised aluminium profiles with PVC connector profiles, stainless steel clips											
Wiper design	4 row bristles						4 row bristles and ribbed rubber					
Wiper material	100% polyamide BCF						100% polyamide BCF for bristles and 100% EPDM for rubber					

Please note EPDM rubber is Ethylene Propylene Diene Monomer.

Technical specifications: **nuway**

NUWAY CONNECT WITH RUBBER OR ULTRAGRIP RUBBER

Combination	Rubber only						Ultragrip safety rubber only					
	Open			Closed			Open			Closed		
System	10mm	17mm	22mm	10mm	17mm	22mm	10mm	17mm	22mm	10mm	17mm	22mm
Depth to height of aluminium (mm)	8	14	19	8	14	19	8	14	19	8	14	19
Depth to height of insert (mm)	12	18	23	12	18	23	10	16	21	10	16	21
Distance between the profiles (mm)	5			0			5			0		
Weight (kg)	12	16.2	17.9	12	16.2	17.9	12	16.2	17.9	12	16.2	17.9
Max width per module (mm)	3000											
Max depth per module (mm)	Relates to the weight											
Max weight per module (kg)	23											
Dynamic load (kg) 2 wheels, 80mm 20,000 passes	100	100	100	100	100	100	100	100	100	100	100	100
Static load (kg/sq cm)	100	100	100	100	100	100	100	100	100	100	100	100
Fire behaviour EN ISO 9239-1	C _{fl} s1						B _{fl} s1					
Frame	A selection of recessed matwell frames are available, please see page 4.0.2 for details											
Ramp frame	ARF 50	ARF 70		ARF 50	ARF 70		ARF 50	ARF 70		ARF 50	ARF 70	
Material and manufacturing method	Anodised aluminium profiles with PVC connector profiles, stainless steel clips											
Wiper design	Ribbed rubber						Coarse rubber					
Wiper material	100% EPDM						Rubber					



Our footprint

How it's made



marmoleum®
is made from
97%
natural materials

100%
of tessera®
carpet trim is
reused in the UK

43%
recycled
content in
marmoleum®

<45%
recycled content in the
backing of our **vinyl** ranges



coral® welcome
primary backing
is made from
recycled pop
bottles

59%
recycled content
in **flotex®** tiles

100%
of aluminium
used in
nuway® tuftguard
is recycled



100%
of aluminium and
steel waste from our
nuway® production
is recycled

50+%
recycled content in all
tessera® carpet tiles
made in the UK

>70%
recycled content in
the backing of
westbond™
carpet tiles

All Forbo products
are made with
100%
Renewable
electricity

tessera®
allura and
flex Ultrasonic
cutting reduces
waste by
80%

100%
of **westbond™**
carpet trim
recycled in the UK



westbond™
natural carpet tiles
are made from undyed
wool from British sheep

Econyl® yarn made
from abandoned
fishing nets

THE CAMPAIGN FOR WOOL
PERSONS LIKE THE PRINCE OF WALES

Patron of
**Outward
Bound**
charity

All
our plants are
certified to
ISO 14001

Save a Sample and reduce
the amount of virgin
material
used

Forbo
FLOORING SYSTEMS
creating better
environments

Sustainability is about the
things you can't see

65%
reduction in
cleaning costs
when **coral®**
is installed

94%
of dirt and moisture
can be kept outside
the building with
coral®

topshield²
reduces scuffing
so less cleaning

Our innovative
random-lay carpet tiles
reduce fitting waste
to less than
2%

marmoleum®
is biodegradable
in a controlled
environment

flotex® releases
twice as many
allergens on cleaning
than standard carpet

100%
of our packaging
is recyclable

marmoleum®
inhibits the growth
of MRSA, C Difficile
and other bacteria

50% LESS
CO₂ emissions
from **marmoleum®**
than other resilient
floor coverings

nuway® tuftguard
mats are reversible,
effectively doubling
their life

flex design
tiles can be easily
removed to recycle at
the end of their life

marmoleum®
and **flotex®**
are approved
by Allergy UK

back to the floor
recycling
Forbo's flooring

We work with Carpet
Recycling UK to clean,
reuse and recycle old
carpet tiles in the UK

Your footsteps

How it performs



Forbo Flooring Systems is part of the Forbo Group, a global leader in flooring, bonding and movement systems, and offers a full range of flooring products for both commercial and residential markets. High quality linoleum, vinyl, textile, flocced and entrance flooring products combine functionality, colour and design, offering you total flooring solutions for any environment.



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