



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, flocked and entrance flooring products combine functionality, colour and design, offering you total flooring solutions for any environment.

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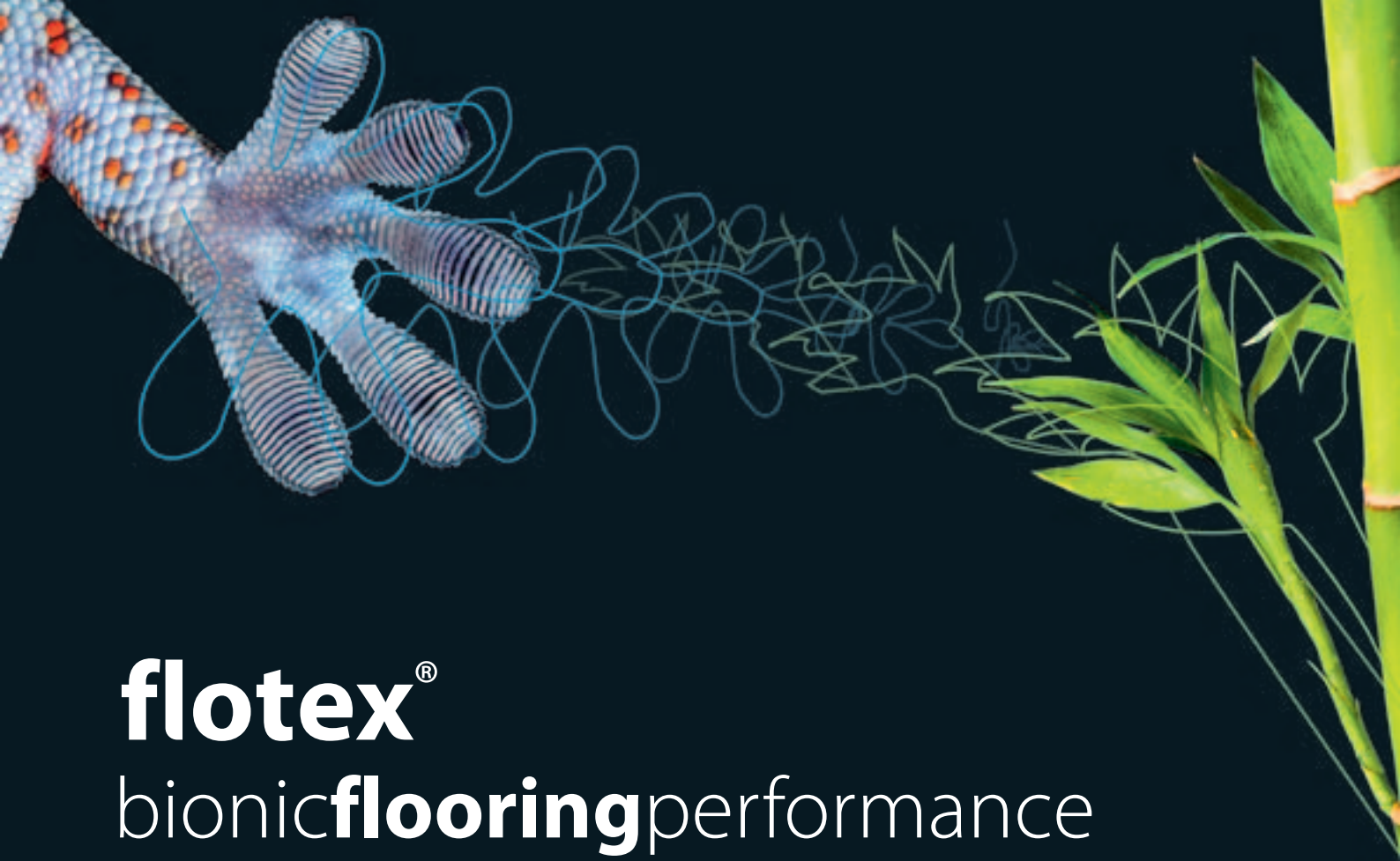
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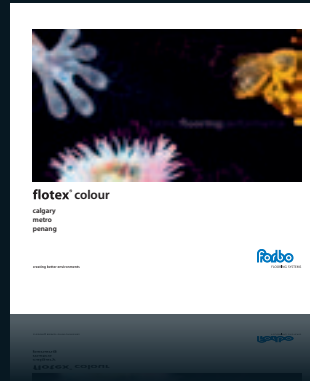
**flotex**<sup>®</sup>  
bionic**flooring**performance

creating better environments

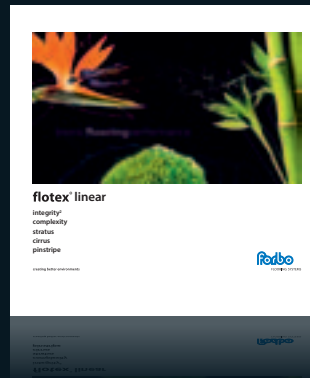
**forbo**  
FLOORING SYSTEMS

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# Three new **inspiring** Flotex collections



**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.



**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 of retail spaces.



**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.



# Flotex

## bionic flooring performance

Bionic technology combines biological methods and systems that are found in nature with man-made products and processes. This transfer of technology from the living fauna and flora help to create optimized and highly efficient products. Classic examples of bionic technologies is the development of water and dirt repellent surfaces that also can be observed from the leaves of the lotus flower.

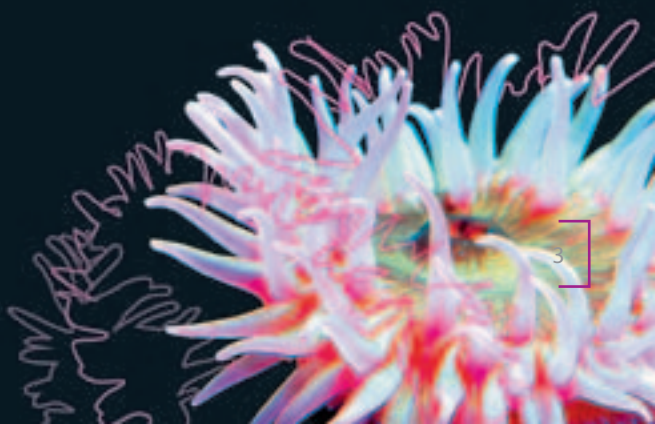
Flotex is neither a true textile, nor is it an resilient and its unique construction succeed in combining the best of both worlds, suitable for use in commercial environments however demanding the conditions. Approximately 80 million minute nylon 6.6. fibres (flock) are as strong as a bamboo construction, 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.



The anti microbial Sanitized® treatment of Flotex ensures consistent protection against bacteria without degradation through cleaning or vacuuming. It also suppresses the growth of dust mite populations. Therefore Flotex has a positive impact on the lives of allergy sufferers even more as daily vacuuming cleans away twice as many allergens compared to conventional carpets. That is why Flotex carries the British Allergy Foundation seal of approval.



# 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.**

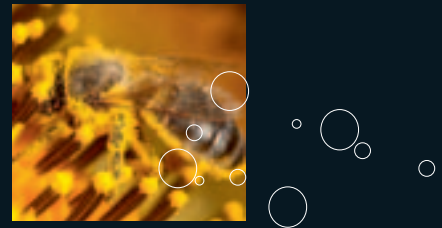
### Durable and comfortable

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.



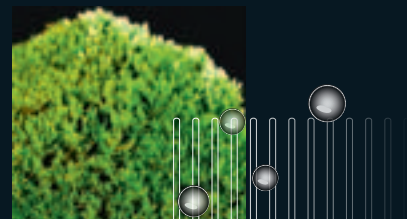
### Quiet yet Hygienic

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.



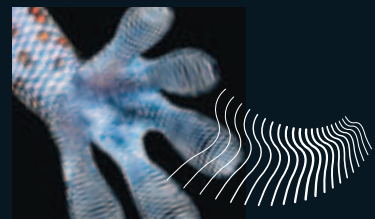
### Warm while washable

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 lively as the day the floor was installed.



### Safe but sound absorbing

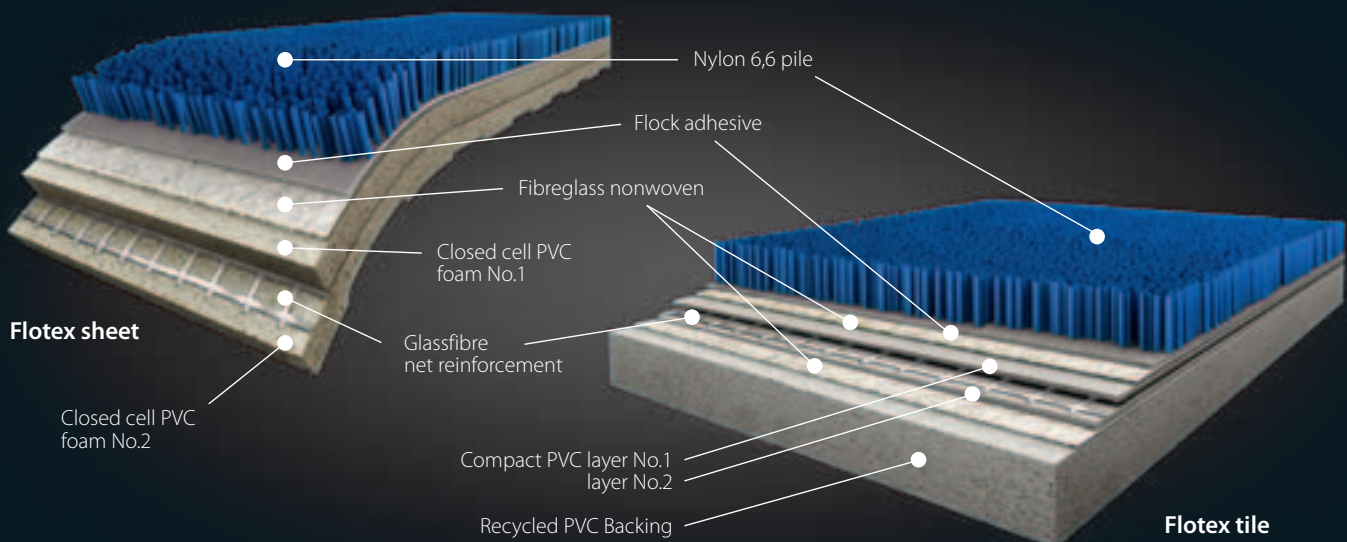
Flotex provides both low in-room impact noise performance (class A) as well as good impact sound reduction (>20dB), meaning a quiet room and a quiet building. Flotex also meets the HSE wet and dry slip resistance classifications for use of flat surfaces and ramps.



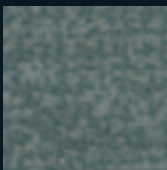


# Flotex, the high tech textile

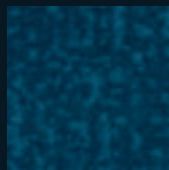
Flotex Flocked Flooring is a completely unique textile flooring that combines the hard wearing and durable characteristics of a resilient floor with the quality, warmth and comfort of a carpet. Flotex is made up from a solid vinyl, reinforced base with a densely flocked surface of nylon 6.6. fibres, that are anchored firmly into the base layer. Flotex is extremely dimensionally stable and has the optics of a textile floor covering, whilst being as functional and durable as well as easy to clean as any resilient floorcovering. Flotex is available in both Sheet and Tile formats.



flotex<sup>®</sup> metro



s246018 | mineral  
t546018



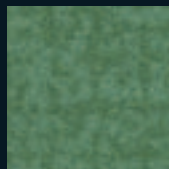
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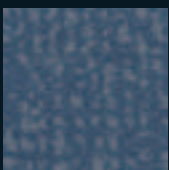
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s246001 | indigo  
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s246037 | apple  
t546037



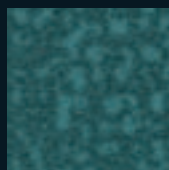
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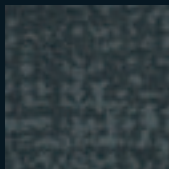
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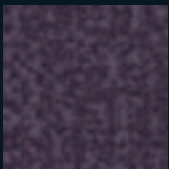
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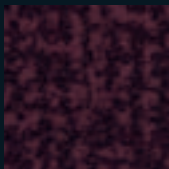
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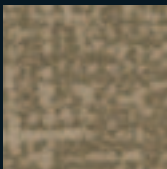
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s246016 | grape  
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s246027 | burgundy  
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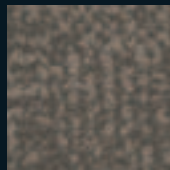
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s246032 | petrol  
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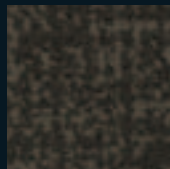
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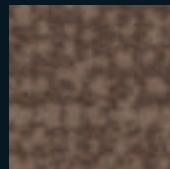
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s246009 | pepper  
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s246014 | concrete  
t546014



s246029 | truffle  
t546029



s246003 | melon  
t546003



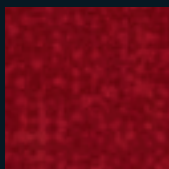
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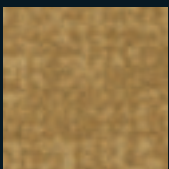
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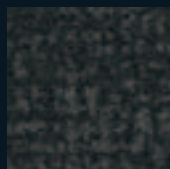
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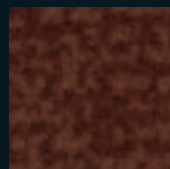
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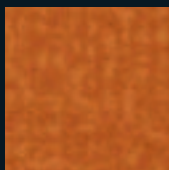
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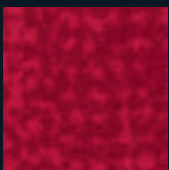
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s246030 | cinnamon  
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s246025 | tangerine  
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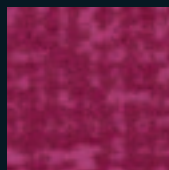
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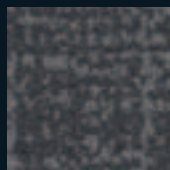
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s246036 | gold  
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s246035 | pink  
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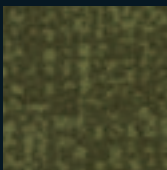
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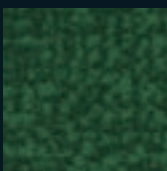




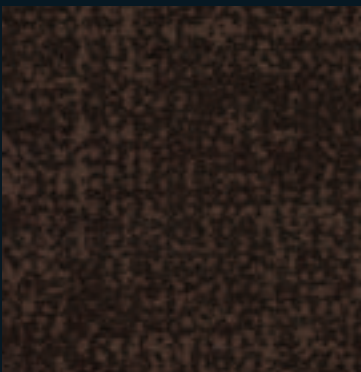
s246019 | citrus  
t546019



s246021 | moss  
t546021



s246022 | evergreen  
t546022



s246010 | chocolate  
t546010

flotex<sup>®</sup> metro neon



s287005 | graphic  
t587005



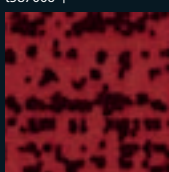
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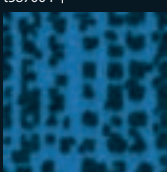
s287006 | shock  
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s287004 | splash  
t587004



s287001 | flame  
t587001



s287003 | electric  
t587003



s287008 | lava  
t587008



s287007 | acid  
t587007



flotex® penang



s482012  
t382012 | red



s482022  
t382022 | amber



s482024  
t382024 | purple



s482026  
t382026 | neptune



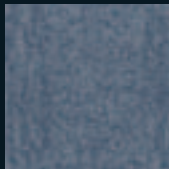
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s482116  
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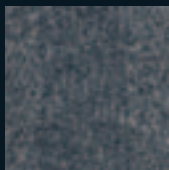
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s482001  
t382001 | anthracite



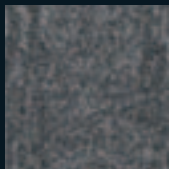
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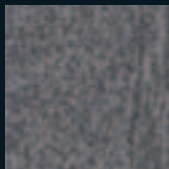
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s482031  
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s482007  
t382007 | zinc



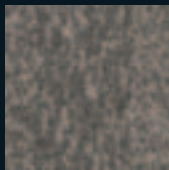
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t382017 | nimbus



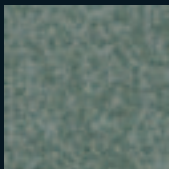
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s482020  
t382020 | shale



s482021  
t382021 | silver



s482009  
t382009 | mineral



s482010  
t382010 | evergreen



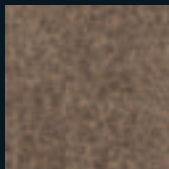
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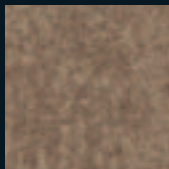
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s482108  
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s482075  
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s482018  
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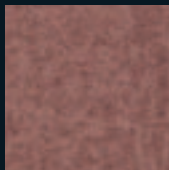
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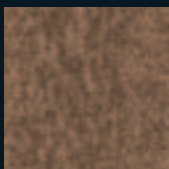
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s482014  
t382014 | copper



s482016  
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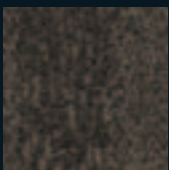
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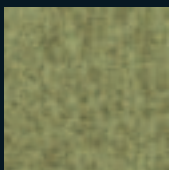
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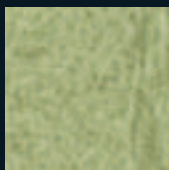
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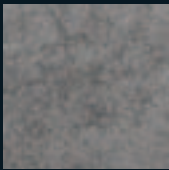
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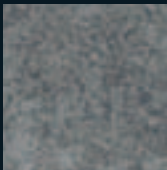
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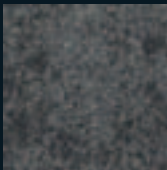
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s290012 | cement  
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s290019 | carbon  
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s290002 | grey  
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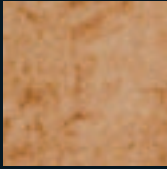
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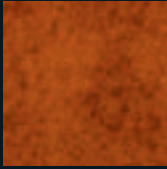
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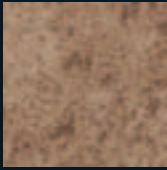
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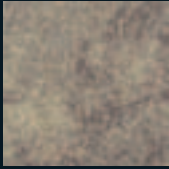
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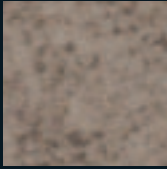
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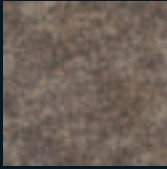
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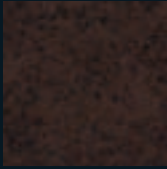
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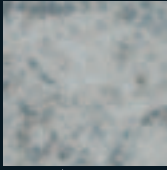
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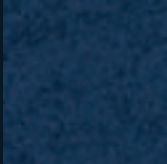
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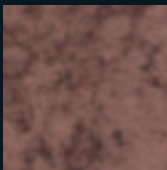
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s290030 | spa  
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s290015 | azure  
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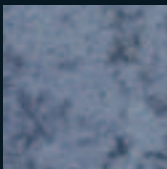
s290029 | salmon  
t590029



s290017 | crystal  
t590017



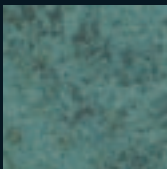
s290022 | condor  
t590022



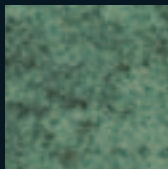
s290025 | Riviera  
t590025



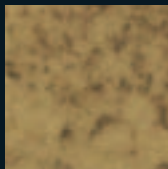
s290001 | sky  
t590001



s290004 | menthol  
t590004



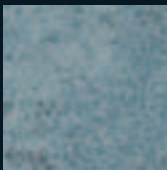
s290009 | moss  
t590009



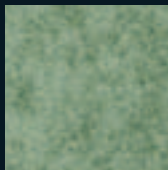
s290027 | amber  
t590027



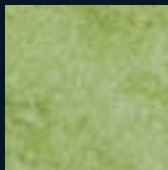
s290018 | fossil  
t590018



s290021 | aqua  
t590021



s290016 | apple  
t590016



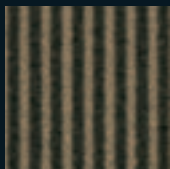
s290014 | lime  
t590014

flotex<sup>®</sup> calgary





flotex® integrity<sup>2</sup>



t350005  
cognac



t350008  
forest



t350006  
marine



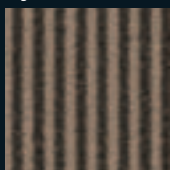
t350012  
granite



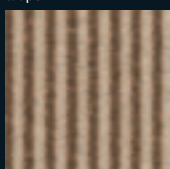
t350001  
grey



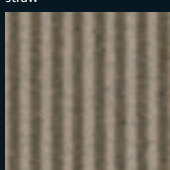
t350004  
navy



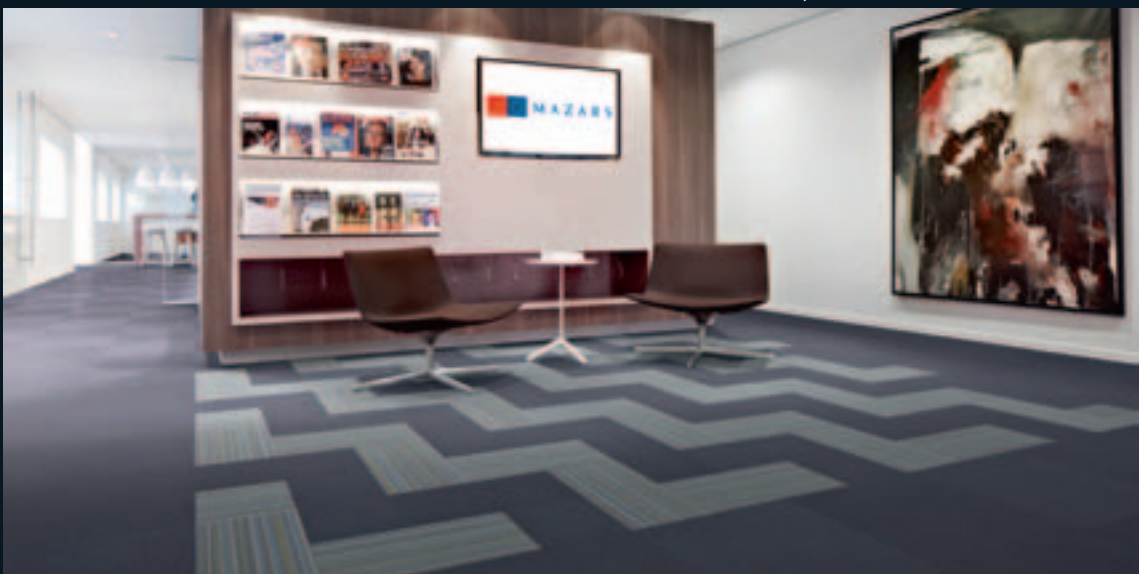
t350009  
taupe



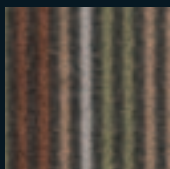
t350010  
straw



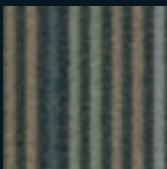
t350011  
leaf



flotex® complexity



t550009  
taupe



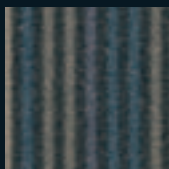
t550008  
forest



t550006  
marine



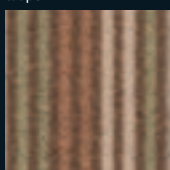
t550003  
charcoal



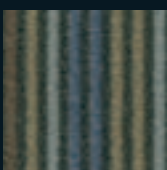
t550001  
grey



t550004  
navy



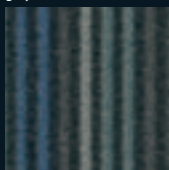
t550010  
straw



t550005  
cognac



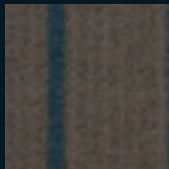
t550007  
blue



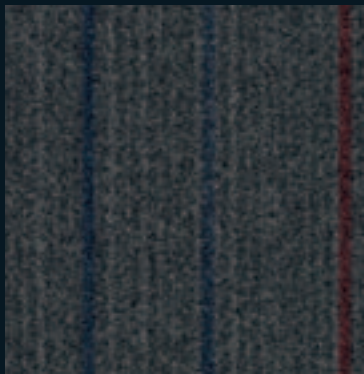
t550002  
steel



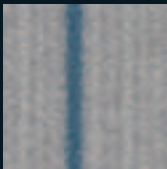




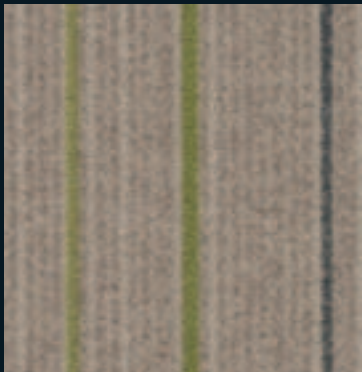
s262012 | Baker Street  
t565012



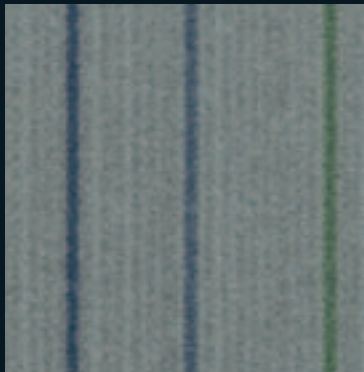
s262001 | Piccadilly  
t565001



s262003 | Westminster  
t565003



s262007 | Covent Garden  
t565007



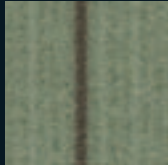
s262002 | Cavendish  
t565002



s262004 | Buckingham  
t565004



s262009 | Mayfair  
t565009



s262010 | Hyde Park  
t565010



s262011 | Paddington  
t565011



s262006 | Oxford Circus  
t565006



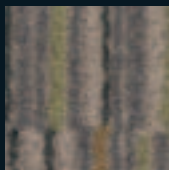
s262005 | Kensington  
t565005



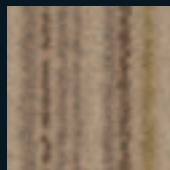
s262008 | Soho  
t565008



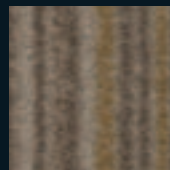
flotex® stratus



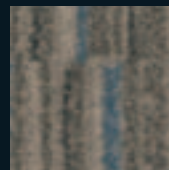
s242001 | sulphur  
t540001



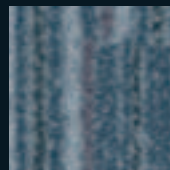
s242002 | vanilla  
t540002



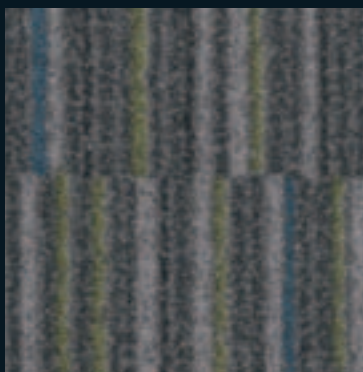
s242003 | sisal  
t540003



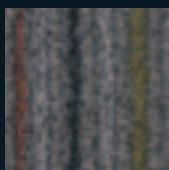
s242004 | fossil  
t540004



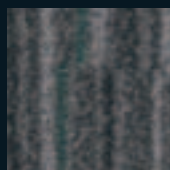
s242005 | sapphire  
t540005



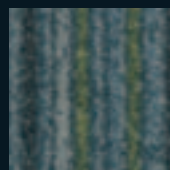
s242008 | onyx  
t540008



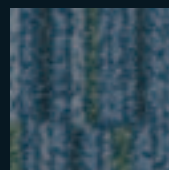
s242006 | ruby  
t540006



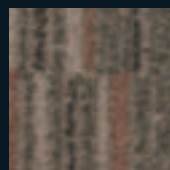
s242007 | mint  
t540007



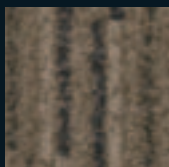
s242009 | marina  
t540009



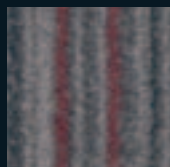
s242010 | horizon  
t540010



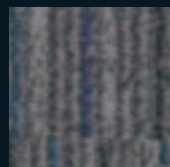
s242011 | leather  
t540011



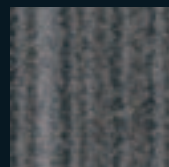
s242012 | walnut  
t540012



s242013 | lava  
t540013



s242014 | eclipse  
t540014



s242015 | storm  
t540015

## Installation methods



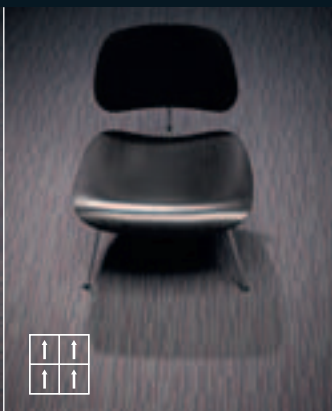
Ashlar



Brick

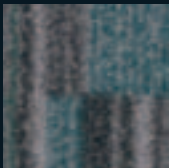


Chequerboard



Broadloom





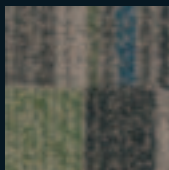
s270007 | mint  
t570007



s270008 | onyx  
t570008



s270006 | ruby  
t570006

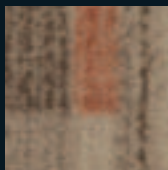


s270004 | fossil  
t570004

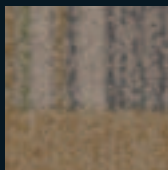


s270003 | sisal  
t570003

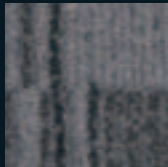
**flotex**<sup>®</sup> cirrus



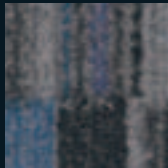
s270002 | vanilla  
t570002



s270001 | sulphur  
t570001



s270015 | storm  
t570015



s270014 | eclipse  
t570014

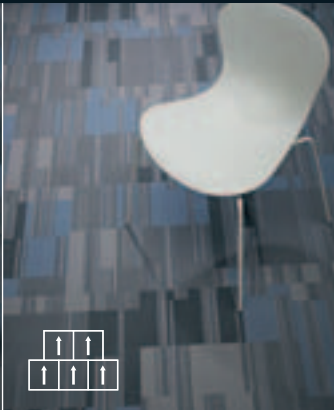


s270005 | sapphire  
t570005

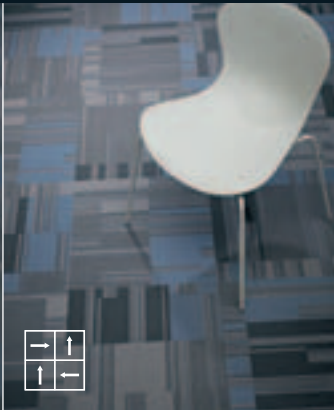
## Installation methods



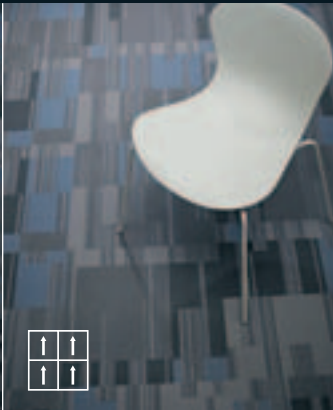
Ashlar



Brick



Chequerboard



Broadloom



# 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**

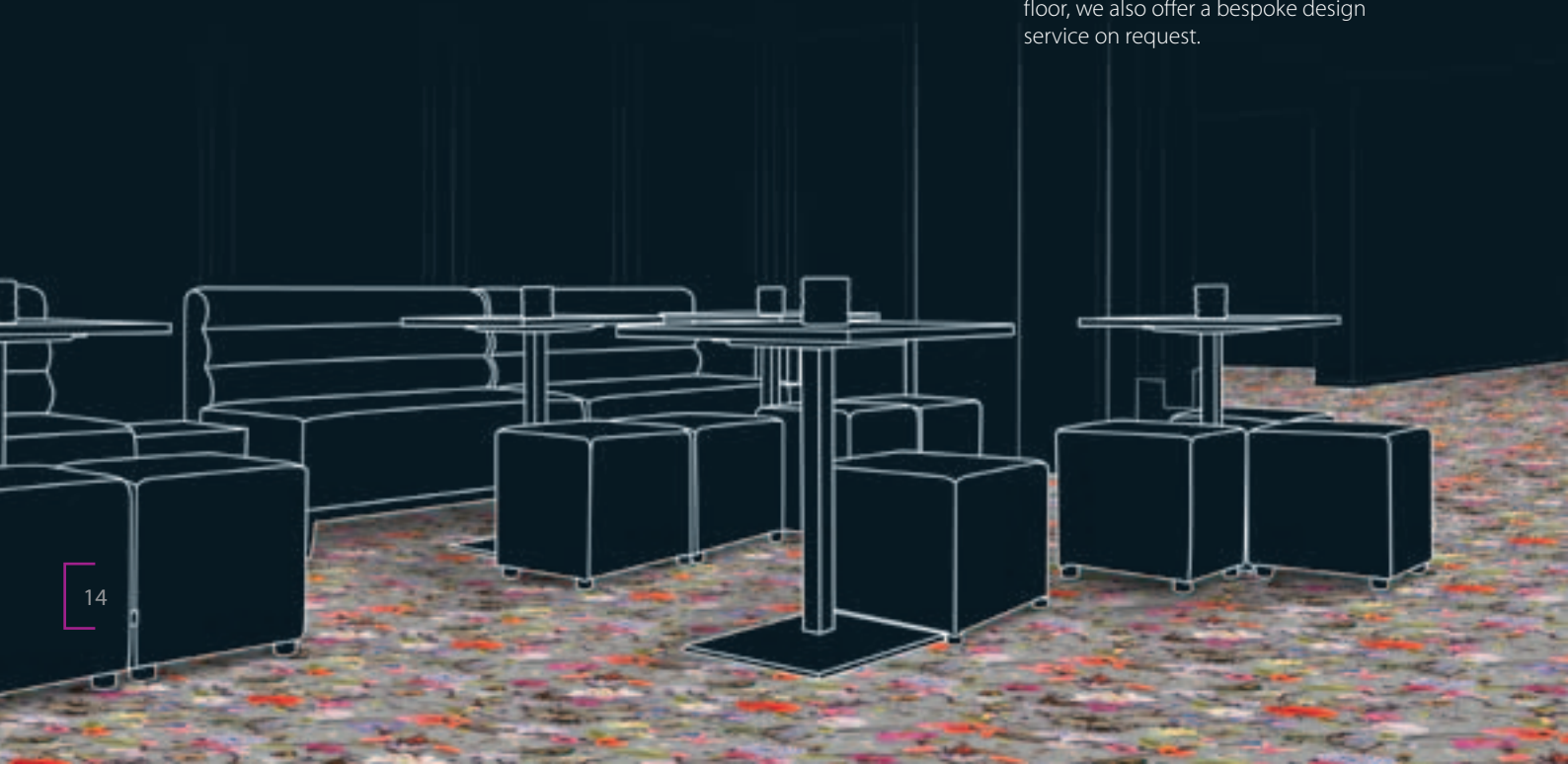
Digital print offers an infinite number of design options ranging from abstracts with an intricate colour spectre to realistic images of grass, sand or water, or any pictures projected on your floor. Create 3D depth or a "trompe d'oeil" effect on your floor. Bring nature in your room by creating a pebble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



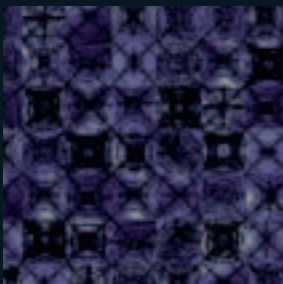
## **Linear**

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



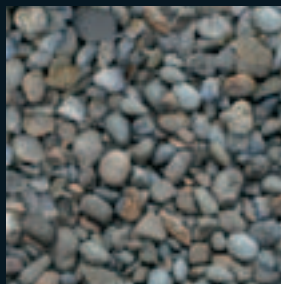
## **Shape**

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



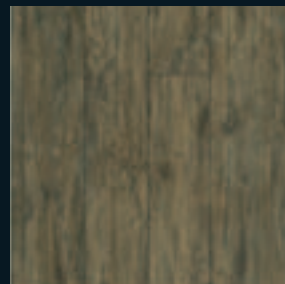
## **Pattern**

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.



## **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

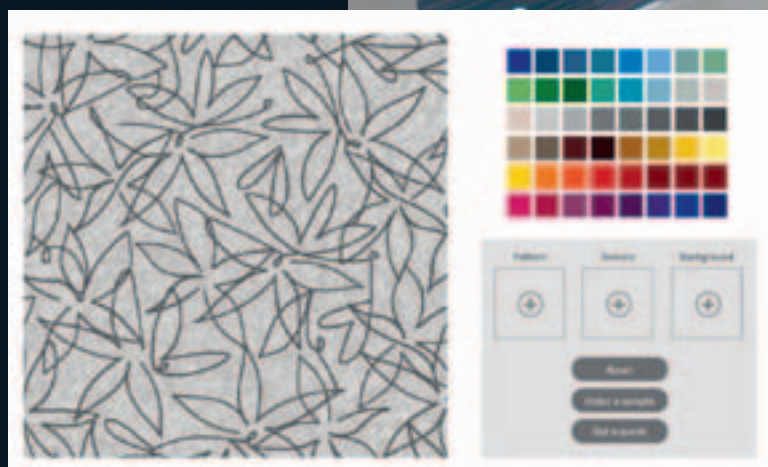
## Find your design in 4 easy steps:

1. Access [www.flotexvision.com](http://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



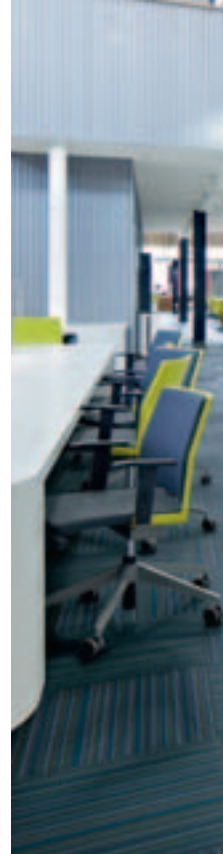
**Customise** patterns to match your corporate branding.

Some designs can even be fully matched with your taste or branding colours

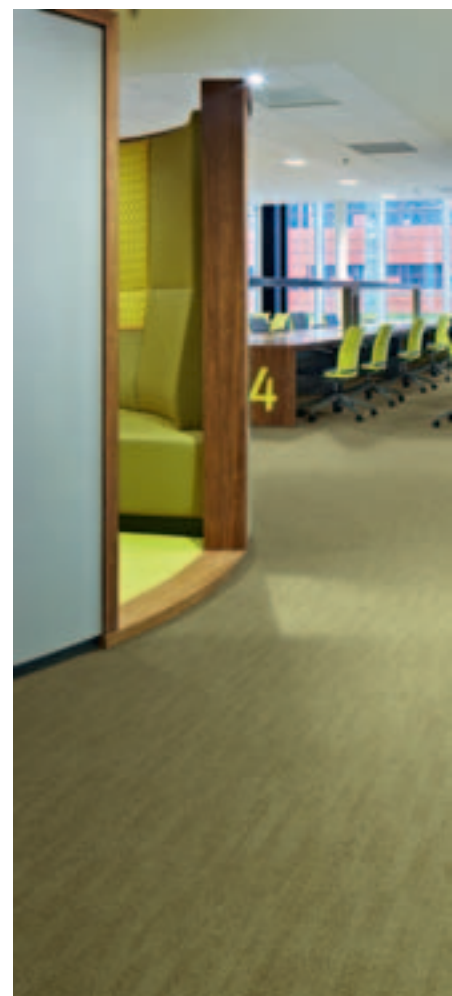
[www.flotexvision.com](http://www.flotexvision.com)

# Flotex and education

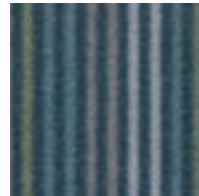
Schools are places for learning and recreation, for education and leisure, for maths and sports, for education and creativity. The many locations in a school, the library, classroom, gym, study, cafe and corridors require different materials in coordinating colour and design. Flotex and the further product portfolio of Forbo are ideally equipped to deliver you modern, joyful and tranquil environments. For schools, universities, media centers and libraries some examples of colours and materials are shown on this page.



s287002 | zest  
t587002







t550007  
blue



t550008  
forest



### Clean air improves school results

Using Flotex in class rooms has a positive impact on the clean air since dust will be captured between the fibres and will be released during vacuum cleaning. The British Allergy Foundation gave Flotex the Seal of Approval.



s482003  
t382003 citrus

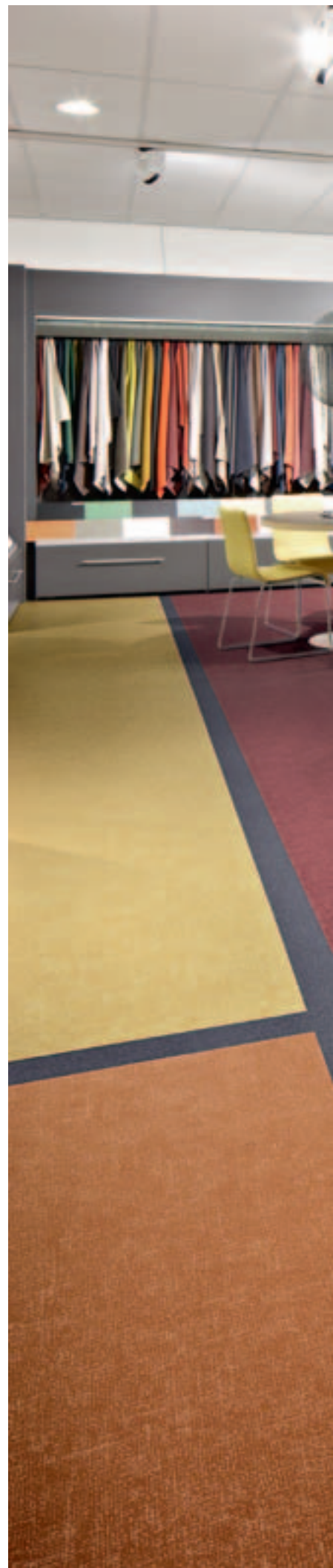


# Flotex and retail

Not a single shop or retail facility today will go without its 'brand-characteristics'. Flotex and the Forbo product portfolio have perhaps the widest range of coordinated colours in the flooring business, offering you function and design matching your corporate identity and style. Anything goes! Some examples of combinations of materials are shown on this page.



t350003  
charcoal





s246013 | amber  
t546013



s246017 | berry  
t546017



s246003 | melon  
t546003



s246027 | burgundy  
t546027

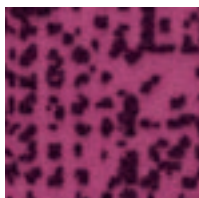
### **Stores, stores, stores...**

Whether fashion, electronics, food, gifts, literature or department stores, Forbo Flotex has a fitting design.



# Flotex and office

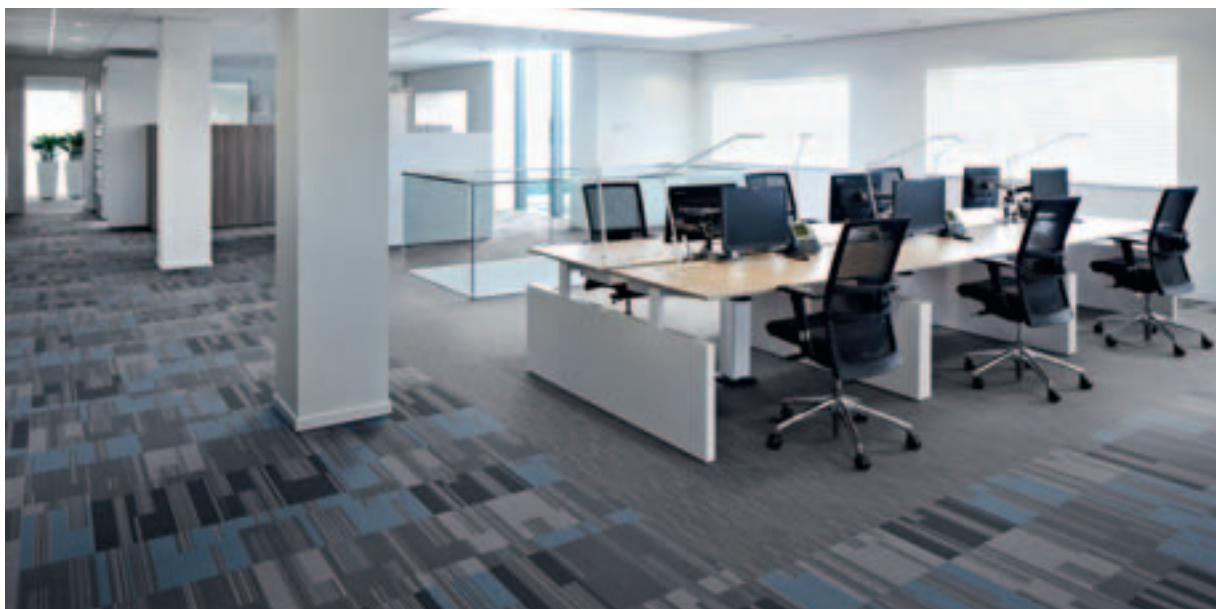
Office spaces come in wide varieties; individual rooms or open space areas, locations for meetings, presentation areas, reception and lunch locations. The functional and visual quality of the environment helps people to concentrate and to feel well. The Forbo product portfolio and Flotex present perfect match in colour, design and functional application. For the office environment some examples of colour coordination and design are shown on this page.



s287006 | shock  
t587006



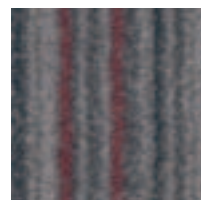
s246007 | ash  
t546007



s270008 | onyx  
t570008



s242008 | onyx  
t540008



s242013 | lava  
t540013



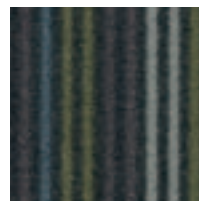




s262011 | Paddington  
t565011



s262001 | Piccadilly  
t565001



t550004  
navy



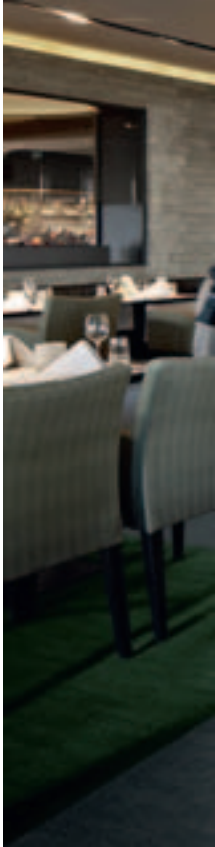
t350004  
navy

### Easy installation with Flotex tiles

Tiles are traditionally a flooring product which is associated with offices. The easy installation, the use of raised floors all contribute to this situation. Most Flotex collections we offer come in both sheet and tile so you can choose which one suits you best.

# Flotex and **leisure & hospitality**

Hotels, restaurants, conference rooms not only should make you feel welcome; they all have a signature of their own. Flotex in its many design and colour ways forms the perfect base for a personal approach. For all kinds of leisure environments some examples of striking combinations in colour, material and design are shown on this page.



s290023 | espresso  
t590023



s290026 | linen  
t590026



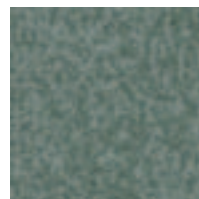
s482017 | nimbus  
t382017



s482024 | purple  
t382024







s482009 | mineral  
t382009



s482020 | shale  
t382020



s246010 | chocolate  
t546010



s246019 | citrus  
t546019



s290002 | grey  
t590002

### Atmosphere and Character with Flotex

The perfect match in leisure and hospitality. On the one hand the warmth of being a textile product and on the other hand the ease of cleaning when spills occur in these surroundings. The ideal choice without a compromise.



# Flotex and healthcare, aged care and assisted living

Healthcare institutions are characterized by caring tranquil environments. Colour and design helps to create a comforting environment that aid wellbeing of patients and giving a caring touch to the clinical environment. Some possible combinations of Flotex with other products from the Forbo portfolio are shown on this page.



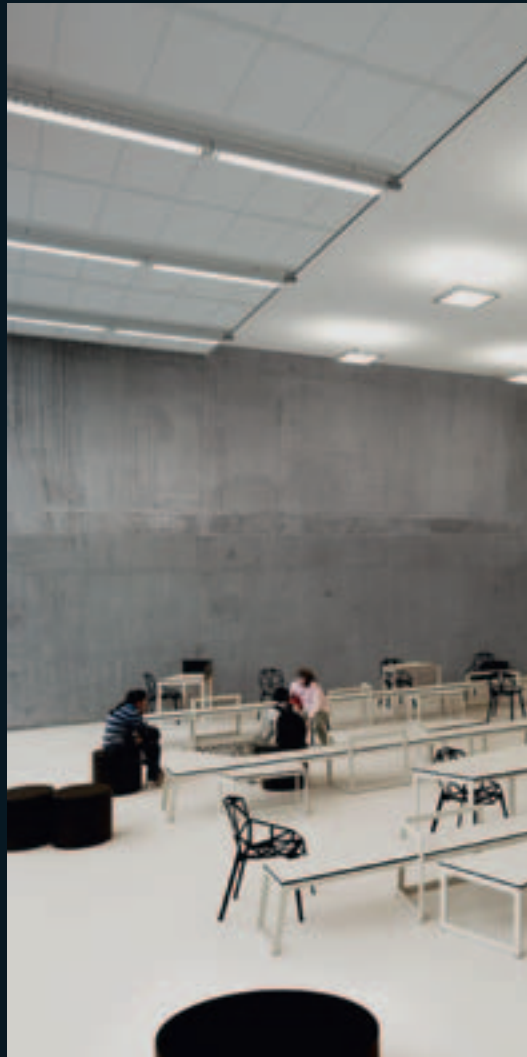


### **A homely feel without any drawbacks**

Being in a health care location requires a surrounding that feels as comfortable as possible so that it can contribute to a healing environment. In aged care and assisted living the homely feel is key to create the right atmosphere for all residents.



## MORE FORBO FLOORING COLLECTIONS



**linoleum**



**luxury vinyl tiles**

### **Linoleum**

As the world market leader in Linoleum flooring solutions, Forbo offers a huge range in natural linoleum floor coverings as well as surface linoleum for furniture and wall covering. Over a 100 years of experience and modern manufacturing techniques today create the most durable and sustainable resilient floor covering available. Made from linseed oil, rosin, wood flour and limestone, linoleum is a truly natural product that can be applied in a wide range of commercial and residential environments.

### **Luxury Vinyl Tiles**

Luxury Vinyl Tiles have matured into a new flooring category that is readily winning ground in all kinds of market segments. Whether it is retail, leisure, hospitality, offices or education and healthcare facilities, LVT is recognized as an easy to install, easy to maintain high performance floor covering that has the look and feel of its natural counterparts, be it wood, stone or any abstract material. Forbo's Allura LVT will last for years to come, with a unique design that has been created from the natural original to the refinement of the grain and texture that creates a lifelike copy, which in itself can claim to be an original.





**carpet tiles**



**entrance flooring**



**project vinyl**

#### **Carpet tiles**

Our carpet tile collections vary from loop pile to cut and loop pile products to highly exclusive fusion bonded tiles that have a choice of over 180 colours and colour combinations. Carpet tile collections are suitable for both office and leisure and hospitality environments. Our carpet tiles come in a large variety of collections which range from random lay to broadloom installations.

#### **Entrance flooring**

Creating better environments starts at the entrance of any building. To avoid water, sand, mud and gravel being carried into the building a proper entrance floor is a good line of defense. Coral entrance floors are created to absorb moisture and scrape dirt of shoes and wheel that find their way into a building. Entrance floors can take care of lower cleaning and maintenance costs and give the floors inside the building their appearance retention.

#### **Project vinyl**

Next to Luxury vinyl tiles Forbo offers a range of sheet vinyl flooring with specific technical features such as slip resistant flooring, conductive flooring, acoustic floor coverings and general purpose vinyl floors that come in a wide range of colours and designs. In some cases sheet flooring is chosen as alternative to LVT, at Forbo we have taken care that our collections are matching in colour and design to make combinations of various products possible within one installation.

## A SUSTAINABLE COLLECTION

**Forbo's manufacturing operations for Flotex in Great Britain and France secures a high quality products, produced with green electricity and minimum waste streams that are all recycled in the product.**



s290030 | spa  
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**Flotex is built around two separate glassfleece constructions that secure a very high degree of dimensional stability and high quality product. Spillage and waste does not occur.**

Flotex is created with nylon 6.6 fibres, all dyes and inks used to create the Flotex designs are water based. No additional chemical processes take place other than high temperature steam treatment to secure the colours. Machines in our factory run on green electricity and minimum waste streams are generated which are fed back into the product. Flotex also makes use of waste streams of other Forbo production locations to be transformed into the backing of the products. Recycled content in Flotex is up to 67% of the backing content.

The real advantage for using Flotex is the extreme performance of the product, with a product life time that surpasses that of ordinary textiles by a factor 6. The product can be cleaned by using water and a simple detergent. For most staining simple household soap is enough to clean the product, while other detergent clean away ink, oil and more severe stains. After use the product can be recycled back into the production process.

# Technical specifications

Flotex meets the requirements of EN 1307

			sheet	tile
	Total thickness	ISO 1765	4.3 mm	5.3 mm
	Commercial use	EN 685	Class 33 heavy	Class 33 heavy
	Roll width		2.0 m	-
	Roll length		30 m	-
	Tile size		-	50 x 50 cm
	Quantity of tiles per box		-	12 (3m²)
	Total weight	ISO 8543	1.8 kg/m²	4.5 kg/m²
	Dimensional stability	ISO 2551 / EN 986	< 0.2 %	< 0.2 %
	Abrasion resistance	EN 1307 annex F	>1000 cycles	>1000 cycles
	Castor chair continuous use	EN 985	$r \geq 2.4$ continuous use	$r \geq 2.4$ continuous use
	Light fastness	EN-ISO 105-B02	$\geq 6$	$\geq 6$
	Slip resistance	UK SRG pendulum	Dry - very low slip risk Wet - low slip risk	Dry - very low slip risk Wet - low slip risk
	Acoustical	EN-ISO 717-2	Impact sound $\Delta L_w = 20$ dB	Impact sound $\Delta L_w = 19$ dB
		ISO 354	Sound absorption = 0.10	Sound absorption = 0.10
	Water tightness	EN 1307 annex G	Pass	Pass
	Flotex meets the requirements of EN 14041			
	Reaction to fire	EN 13501	B <sub>0</sub> -s1	B <sub>0</sub> -s1
	Slip resistance	EN 13893	DS: $\geq 0.30$	DS: $\geq 0.30$
	Body voltage	ISO 6356	< 2 kV	< 2 kV
	Thermal conductivity	ISO 8302	0.048 m² K/W	0.040 m² K/W