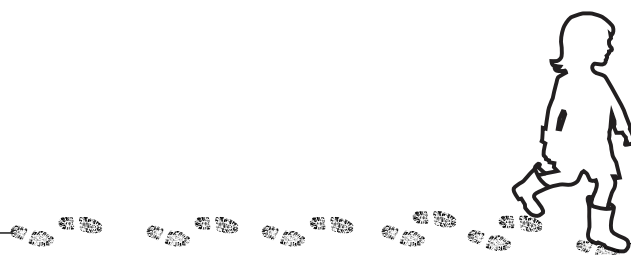




ENTRANCE FLOORING SYSTEMS

nuway[®]
coral[®]

[fessi]
Forbo Entrance Systems
Specialist Installer

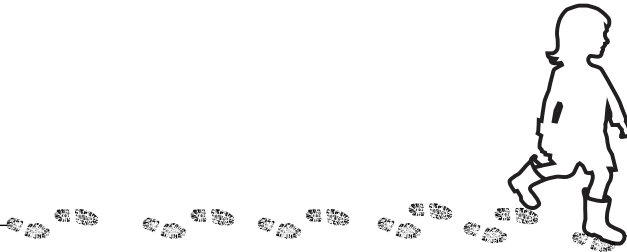


Forbo Flooring Systems is part of the Forbo Group, a global leader in flooring, bonding and movement systems, and offers a full range of flooring products for both commercial and residential markets. High quality linoleum, vinyl, textile, flocked and entrance flooring products combine functionality,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



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You're thinking time is precious, we're thinking, we agree

Why deal with multiple suppliers when you can deal with one? Forbo Flooring Systems is a global producer of flooring solutions. We pride ourselves on offering a truly comprehensive product portfolio with leading edge products specifically designed to cater for each area of a project, from the entrance, through circulation and communal zones, to each individual space in the building.

We are also a major British manufacturer with five UK manufacturing plants employing more than 500 UK staff.

Our flooring solutions offer includes:-

- Environmentally friendly, functional and design-oriented Marmoleum
- An extensive range of sheet Project vinyls, Acoustic vinyls and Safety vinyls
- Static control flooring for areas with sensitive electronic equipment
- High quality European manufactured Luxury Vinyl Tiles
- Entrance flooring systems that keep interior floors clean, dry and safe
- Carpet tiles for both public and commercial environments
- Flocked sheet and tile for areas that need the benefits of both textile and resilient floor coverings
- Cushioned vinyls for the home

With a range of subfloor systems, Eurocol adhesives and Floor Care products to complete this extensive and versatile product portfolio, Forbo Flooring Systems can deliver 'integrated solutions' for every project. The single source solution overcomes the need for multiple supplier visits and provides total accountability across the project, saving you valuable time, money and providing peace of mind. This brochure details our comprehensive range of Entrance Flooring Systems. For information on our other key product ranges and services, please ring **0800 731 2369** for a free copy of any of our brochures.

Forbo's products are available in a vast array of colourways and offer a wide choice of performance attributes. Flooring installations in a variety of application areas ranging from hospitals and schools to airports and designer shops are proof that Forbo offers modern, versatile, high performing floor coverings.

◀ **Taking care of your floor**
A selection of some of the thousands of men and women that create Forbo floor coverings in our 12 manufacturing sites across Europe, including five in the UK.

Forbo Flooring Systems – Integrated flooring solutions

Linoleum



marmoleum®
marmoleum® dual
marmoleum® decibel
marmoleum® ohmex
marmoleum® sport
bulletin board®
furniture linoleum®

Project vinyl



eternal – General purpose vinyl
allura® – Luxury vinyl tiles
flex design – Loose lay vinyl tiles
step® – Safety vinyl
sarlon® – Acoustic vinyl
colorex® – Static control flooring
floorink – Bespoke digitally printed vinyl

Flotex flocked flooring



flotex® sottsass
flotex® HD
flotex® naturals
flotex® classic
flotex® tiles

Carpet tiles



tessera® – Tufted carpet tiles
westbond® – Fusion bonded carpet tiles

Entrance



nuway® – Engineered entrance flooring
coral® – Textile entrance flooring

You're thinking real sustainability,

As a global leader in flooring systems we have a responsibility to all of our stakeholders, to create a better environment. The way we serve and drive the market sets the pace and standard for world class flooring solutions. Sustainable development and 'creating better environments' are integral parts of all of Forbo Flooring Systems' activities.

We're fully committed to reducing our impact upon the environment, not only in the way we run our manufacturing sites but also in terms of our actions and operations beyond the factory boundaries.

We've adopted a lifecycle approach in order to identify every possible opportunity to improve our use of scarce resources, eliminate waste, maximise efficiency and recycle and reuse materials.

Creating better environments

Our target

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 (cf 2009).

Measurement

Forbo uses Life Cycle Assessment (LCA) as the independent methodology of measuring our impact on the environment.

Measuring our LCA

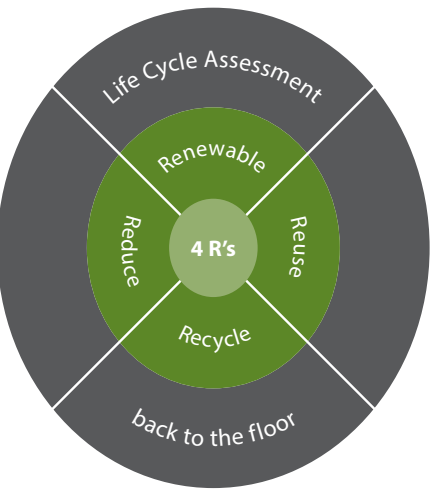
The LCA is calculated for 1m² installed floor covering from cradle to installation. We based our LCA calculation on the weighed mass of all the products we produced. We also included the energy consumption of all our offices and warehouses worldwide.

When evaluating our LCA, we took into account the following environmental impact categories:

- Acidification potential
- Eutrophication potential
- Ozone layer depletion potential
- Photo oxidant creation potential
- Abiotic depletion potential
- Global warming potential

We shall achieve our target by applying Forbo's 4 R's:

The 4 R's are at the heart of Forbo's efforts to reduce our impact on the environment and are important indicators in our quest to become a more sustainable company.



we're thinking responsible action

Here are some examples of how we've used the 4 R's principle to implement responsible actions in our Entrance Flooring Systems portfolio.

Reduce

Installation of our entrance system products can stop up to 94% of dirt entering a building thereby reducing the amount of cleaning needed and saving on chemical usage.

Many Nuway ranges allow for double sided use providing an extension of a product's life by 100% and reducing the need to replace the entrance matting.

The textile inserts on Nuway Connect can be replaced on site helping to extend the wear life of the product.

Renewable

Over 90% of our electricity in our 12 production plants comes from renewable sources.

Reuse

Optimising a sample take back programme to reuse and recycle sample material.

Any yarn waste from our Coral production is reused by the yarn supplier.

The Coral manufacturing plant has achieved virtually zero landfill.

Recycle

The aluminium scraper bars in our Nuway Tuftiguard and Grid ranges are made from recycled aluminium.

Rubber or aluminium waste generated by the Nuway production process is recycled. Rubber pips are sent to crown bowling clubs for gully lining and other rubber waste is used in equestrian centres.

Many of our Coral ranges are made using Econyl yarn which is produced using reprocessed industrial waste and post consumer waste. Abandoned fishing nets are one of the unlikely sources of waste material which go to make Econyl.

The primary backing of the Coral Welcome range is made from recycled pop bottles.



BREEAM specific ratings for Coral

Product Description	Offices	Schools	Healthcare	Domestic	Retail/Leisure (Durability)	Retail/Leisure (Fashion)
Coral Welcome	A	A	A	A	A	A+
Coral Classic	B	A	A	B	B	A+

Coral Duo, Brush Pure and Blend are currently being assessed by BREEAM as they are new products. Please visit www-forbo-flooring.co.uk/environment for updates.

Our Nuway range was the first rigid entrance system to be assessed by BREEAM. However, as no other manufacturer has submitted a comparable product for certification, it's not possible to provide a BREEAM rating for Nuway.

Entrance Flooring Systems save money...

86%
of the total cost of commercial floor coverings is maintenance

Research shows that up to 94% of the dirt entering a building is brought in on the soles of shoes and the tyres of wheeled traffic. This wet and dry soiling makes interiors look dirty and unattractive, causes structural damage to interior floor coverings and finishes and creates unnecessary health and safety hazards.

If effective measures are not taken to avoid this problem, the repair and maintenance costs of a typical floor covering over its lifespan could be nine times the cost of the original investment. A well designed entrance flooring system will prevent dirt and moisture from being tracked in and thereby prolong the life of interior flooring and reduce cleaning, repair and overall maintenance costs.

...and protect people and interiors

Entrance flooring systems also have a critical safety role to play. Slips, trips and falls made up more than half of all reported major injuries in 2010/2011 (source: RIDDOR) causing suffering and financial loss for individuals, companies and society at large.

Wet and dry soiling can both create slip hazards but by taking sensible decisions over flooring surfaces and installing effective entrance matting the potential for slipping can be dramatically reduced.

There are two major pieces of legislation/guidance documents that affect the specification of EFS's.

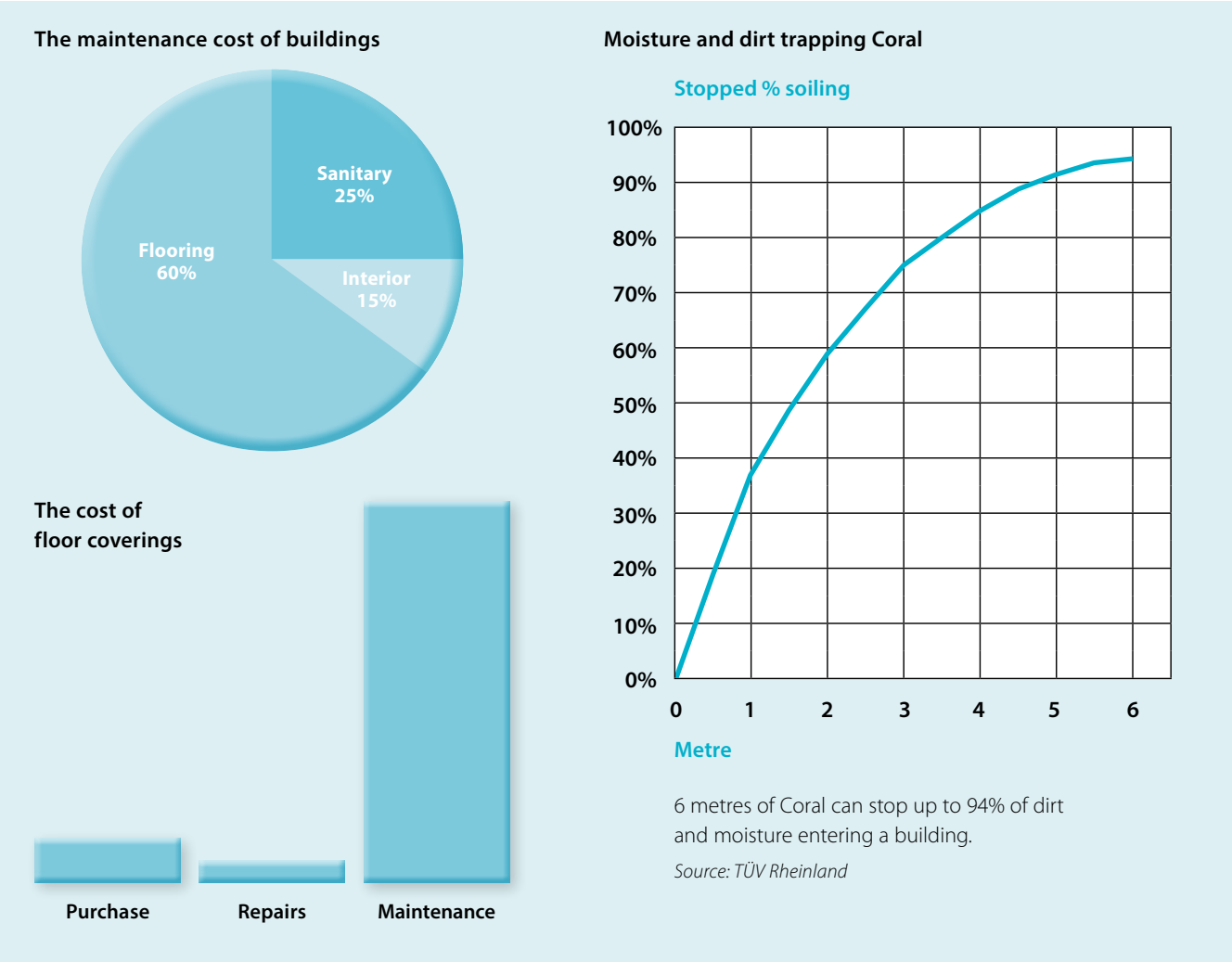
Health and Safety and the Equality Act legislation imposes a duty of care on those who own and manage public buildings to prevent interior floor surfaces from becoming hazardous.

The safety needs of the elderly, the infirm and those with impairments must be given a high priority. Floors must be kept clean, dry and safe and offer an appropriate co-efficient of friction (slip-resistance) for pedestrians and good wheel grip for wheel chair users.

Equality Act 2010
British Standard 8300:2009 Design of Buildings and their approaches to meet the needs of disabled people – Code of practice

"...The ingress of soil and surface moisture to buildings, or their transfer between adjacent internal areas, should be reduced to the lowest practical level, e.g. through the use of appropriate entrance matting systems conforming to British Standard 7953..."

Loose lay mats and coir are advised against



British Standard 7953: 1999 Part 3.1
Guidance document

- Definition of an EFS
- The role of an EFS
- Product types

British Standard 8300:2009
Making entrances safe and accessible for all.

The British Standard states why we need an entrance system and also what it's role is.

The role of an entrance flooring system British Standard 7953 Part 5.1
"The entrance flooring system should scrape, wipe and retain soil, making contact with both feet of people entering the building and, in the case of wheeled traffic, with the circumference of the wheels."

British Standard 7953: 1999 states that an EFS is necessary in order to:

- Reduce the risk of slip injuries
- Prolong the life of the interior floor finish
- Reduce the cost of ongoing maintenance



What do I need to consider?

Every entrance environment is unique so requirements can vary greatly. Here are a few of the main points that need to be considered when choosing an entrance system:

Location

Do pedestrians approach the entrance from outside or from another part of the building?

Internal doorways leading from factories, warehouses and workshops into adjoining office areas usually require some type of barrier system, as do many lift lobbies and side entrances.

Fire retardancy

Entrances often have a dual function as emergency exits, in which case, it could be important to specify an entrance system with fire retardant properties.

Configuration

How is the entrance area designed? Are there revolving, sliding or traditional doors?

Do people entering the building follow the same route or disperse in different directions?

This could affect the layout of the entrance system required.

Soil types

What type of soiling will your entrance flooring have to deal with?

Car parks, garage forecourts and loading bays generate oily greasy deposits. High street shops need entrance systems with high water absorbency. Fine sand can be a problem for premises in coastal areas.

Environmental considerations

Do flooring products in the building have to meet certain environmental requirements such as Building Research Establishment (BREEAM) certification?

Many of our Coral ranges have been BREEAM certified.

Level of 'traffic'

How much 'punishment' will your entrance flooring system receive?

The level of footfall and wheeled traffic will determine the most suitable product. Just visit www.forbo-flooring.co.uk/coral and use the Coral calculator tool to find out more. The level of traffic will also affect the choice of colour of the entrance mat.

Type of 'traffic'

Are pedestrians the only building users or must your system be able to cater for wheeled traffic?

Entrance flooring in airports, hospitals and hotels for instance will need to withstand the weight and movement of vehicular traffic and trolleys.

Potential for accidents?

What types of interior floor surfaces are to be protected? Is there a history of slips and accidents? Do you ever need to rely on additional 'throw down' mats?

If your existing systems are inadequate, don't make the same mistakes next time. Visit the Health and Safety Executive's 'Watch Your Step' website to find out more. www.hse.gov.uk/watchyourstep

Aesthetics

Is it important to the specifier that the primary and secondary entrance systems are colour co-ordinated?

This could impact on your choice of system.



Forbo's FESSI network (Forbo Entrance System Specialist Installer)

FESSI contractors are independent companies, hand picked by Forbo on the basis of their experience in this important area of the flooring market and their commitment to deliver consistently high quality installations.

Each FESSI contractor has undertaken intensive **CITB approved** training on the installation of Forbo's entrance flooring systems, and under the guidance of experienced Nuway trainers has learnt how to specify and install the optimal scheme for every type of project. In order to gain approved FESSI contractor status they have had to demonstrate their ability to deliver demanding Nuway installations incorporating complex shaping and breakouts.

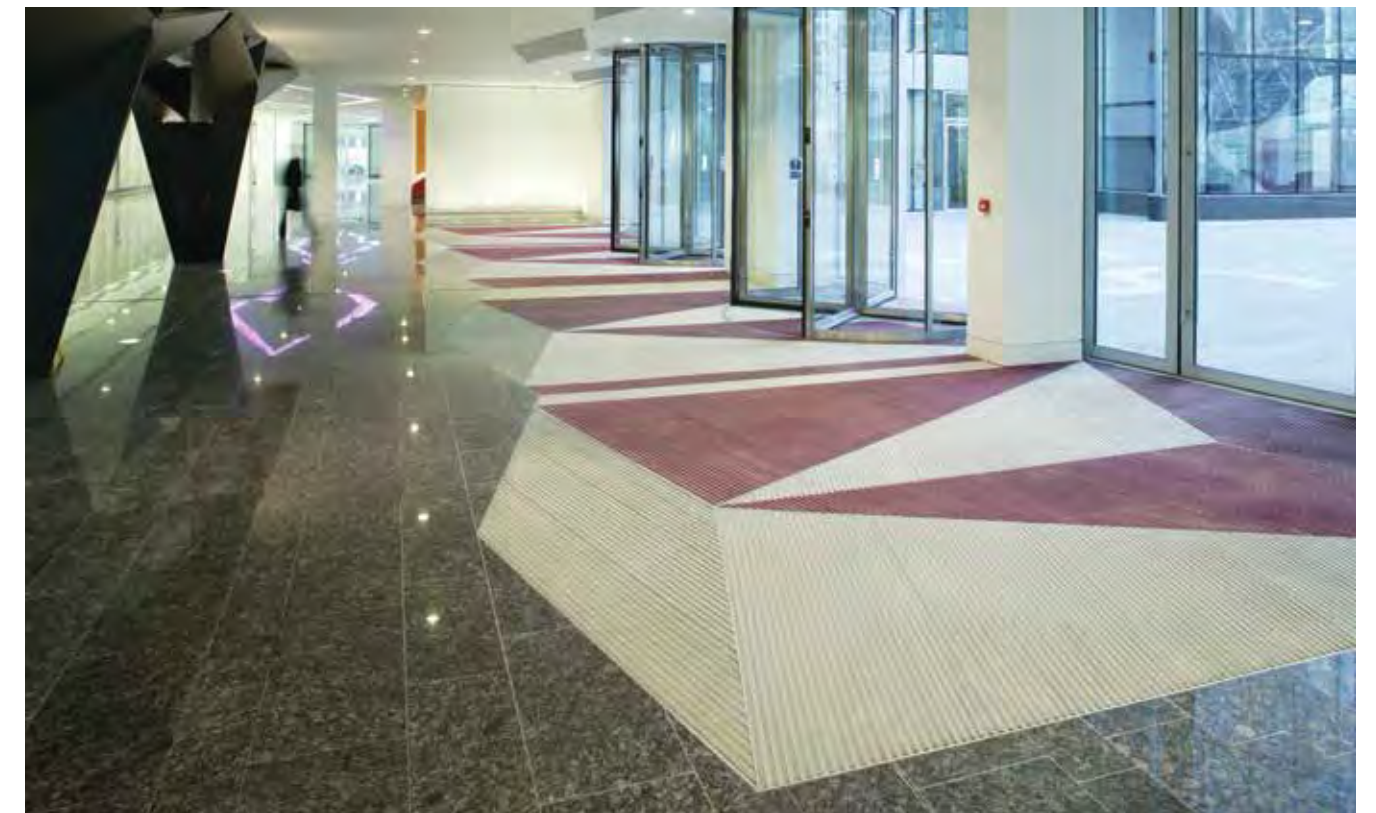
There are two levels of CITB training, FESSI Technician and FESSI Master Fitter. All participants have to achieve an 80% or 85% score respectively in order to pass the training and be authorised to carry a FESSI ID card. Details of the CITB training that FESSI members undertake can be found on our website

www.forbo-flooring.co.uk/fessi

FESSI contractors offer free site surveys and provide detailed 'supply and fit' quotations for every project. They will also carry out the entire installation to the highest standards, including preparation of the subfloor. Nuway matting installed under the FESSI scheme is guaranteed for up to 15 years.



To find your nearest FESSI, please visit www.forbo-flooring.co.uk/FESSI



Entrance flooring starts outside and moves inside

3

entrance flooring applications

If you really want to keep your building clean and safe, it's not enough to throw down a mat at the door. In fact the Health and Safety Executive advises against the use of loose lay mats which they state 'can introduce a range of hazards and are not always very effective'.

Source: HSE elearning module, 'Watch your step'

Creating an effective entrance flooring system involves 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 applications:

The table opposite is designed to help you select which Forbo entrance product best meets your needs. From our Nuway range of engineered mats to our Coral range of textile clean off systems.

Application 1: Outside use

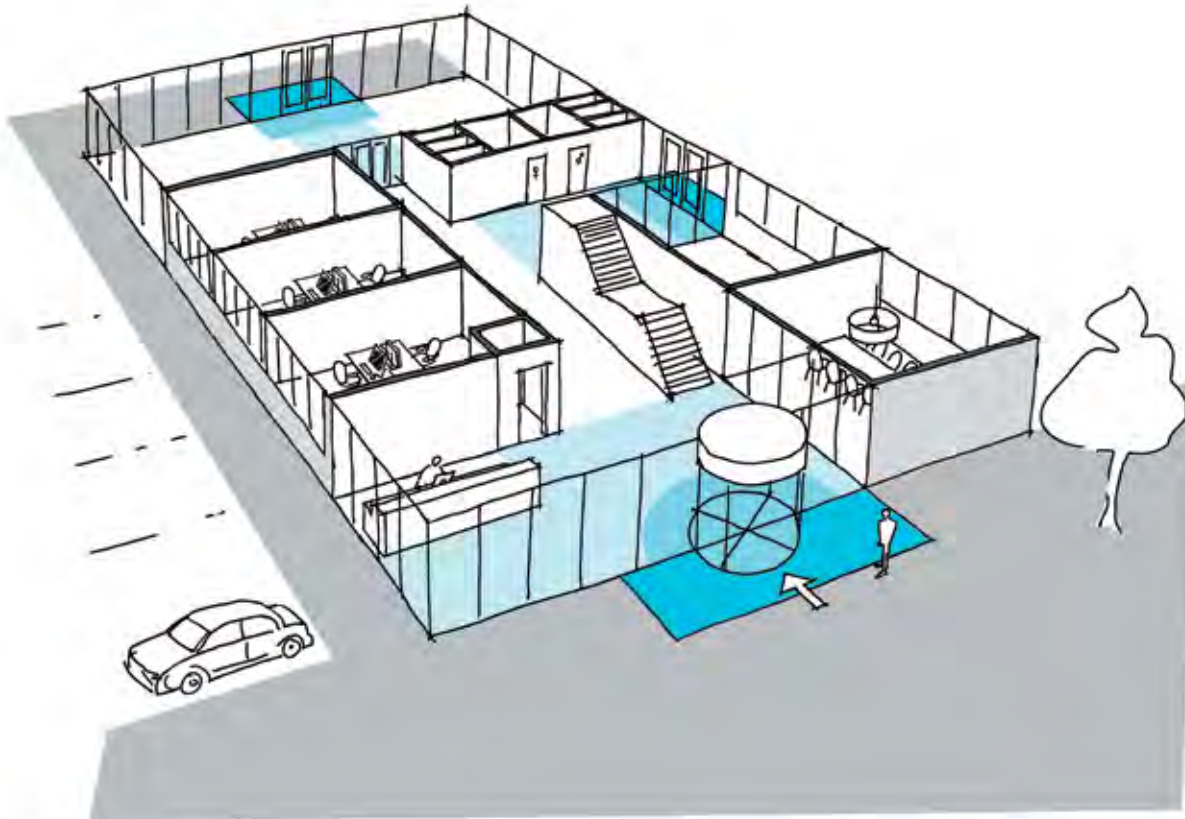
Any matting placed outside the building entrance is the first line of defence against foot-borne soil, scraping the coarsest dirt from the soles of shoes before they cross the threshold.



Application 2: Inside use

Moving inside, the next line of defence, is used to remove foot-borne moisture and finer dirt particles.

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 will be prone to residual soiling and will benefit highly from a purposely designed Coral entrance mat to absorb this soiling.



	Application			Intense traffic	Extreme point loading	Reversible	Guarantee
nuway [®] tuftguard	1 + 2	●●○○	●●●○	✓		✓	15 years*
nuway [®] tuftguard HD	1 + 2	●●○○	●●●○	✓	✓	✓	15 years*
nuway [®] connect	1 + 2	●●●○	●●●○				7 years*
nuway [®] grid	1 + 2	●●●○	●●●○				7 years*
nuway [®] cable	1 + 2	●●●○	●●●○				1 year
coral [®] grip MD	1 + 2	●○○○	●●●●				5 years
coral [®] grip HD	1 + 2	●○○○	●●●●				5 years
coral [®] duo	2 + 3	●●●○	●●●●				5 years
coral [®] brush pure	2 + 3	●●●○	●●●○				5 years
coral [®] brush blend	2 + 3	●●●○	●●●○				5 years
coral [®] welcome	2 + 3	●●●○	●●○○				5 years
coral [®] classic	2 + 3	●●●●	●●○○				5 years
coral [®] logo	2 + 3	●●●○	●●○○				3 years

*Nuway installations undertaken by a Forbo Entrance System Specialised Installer (FESSI) are guaranteed for up to 15 years.

The Nuway range at a glance

The recognised market leader in engineered entrance flooring systems, Nuway offers a wide range of rigid single and double sided made-to-order mats which provide an outstanding first line of defence against soil and moisture entering a building on the soles of shoes and the treads of wheeled traffic.

Nuway tuftguard

Long term, dirt removal for intense traffic locations
(see pages 22–25)

Nuway tuftguard HD

Removes soil in intense traffic areas, under the highest loads
(see pages 26–29)

Nuway flameguard and tuftguard HD FR

Long term soil removal in fire sensitive locations
(see page 28–29)

Nuway connect

Versatile roll up system with a wide choice of inserts, including Coral. Suitable for shaping on site and suitable for heavy traffic areas
(see pages 32–35)

Nuway grid

Tough, economical and aesthetically versatile entrance flooring ideal for heavy traffic areas
(see pages 36–37)

Nuway cable

Continental style cable system with roll up functionality and a choice of inserts
(see pages 38–39)



The Coral range at a glance

The international market leading textile entrance flooring brand for more than 40 years, Coral offers more choice than ever before with attractive and sustainable clean-off systems in styles and constructions to suit all applications, budgets and aesthetic requirements.

Coral duo

For unbeatable soil removal for compact entrances
(see page 58)

Coral brush pure

A function all-rounder that removes both moisture and dirt
(see page 60)

Coral brush blend

Contemporary linear design in a striking range of colourways
(see page 62)

Coral welcome

Striking linear design with strong environmental credentials
(see page 64)

Coral classic

For the ultimate moisture absorbing clean-off system
(see page 66)

Coral grip

Great for coarse dirt and grit removal, inside and out
(see page 68)

Coral T32 Marine

For use in seagoing vessels which require the IMO wheelmark classification
(see page 70)

Coral logo

Express your identity
(see page 71)



Choose Nuway for performance...

These 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, colourways, 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 co-ordinated entrance areas.

So why choose a Nuway rigid entrance system?

Durability

Nuway offers some of the most durable entrance products on the market with guarantees of up to 15 years.

Heavy duty option

The patented design of the Nuway tuftguard HD range provides load bearing capacity up to 900kg/cm² along with a level surface making it ideal for heavy wheeled traffic

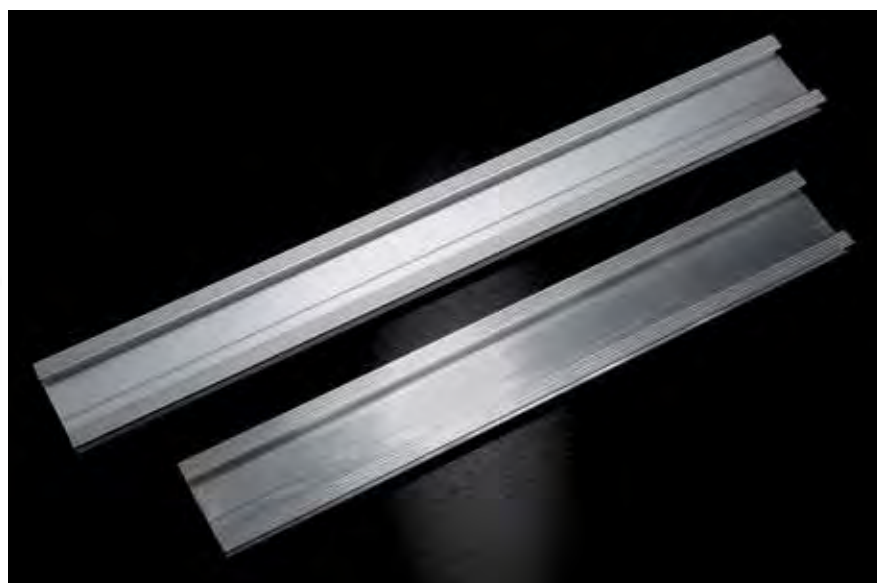
Anodised aluminium

Nuway entrance systems use anodised aluminium carriers to reduce light reflectance and glare.



Reversible

Where the entrance system layout allows, the Nuway Tuftguard mat modules can simply be turned over to reveal an entrance system that looks brand new.



...and outstanding flexibility

Choice of constructions

Most of our Nuway products come in a choice of open or closed constructions so you can find the entrance system configuration that meets your requirements.



Mats in modules or rolls

Nuway offers both module mats for increased durability and rollable mats for easier cleaning of the matwells.

Specialist applications

For fire sensitive areas, the Nuway range includes flameguard and tuftguard HD FR.

Coral inserts

All of our single sided Nuway solutions are available with Coral inserts so you can benefit from the soil removal and moisture absorption of the UK's market leading textile clean off system.

Integrated entrance solutions

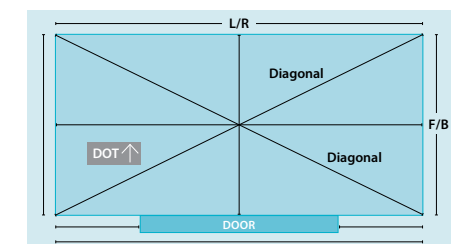
By using Coral as the insert material, it's possible to design a Nuway rigid entrance system where the Coral textile clean-off area matches beautifully.

Replaceable inserts

On Nuway connect, the inserts are replaceable, helping to extend the life of the product.

Personalisation

We can help you customise your Nuway mat with names, logos and corporate messages.



Matwell measuring

Most Nuway mats are made to order in our Telford plant and for complex entrances, we can help with matwell measuring and templating.

Please contact our Entrance Flooring Systems customer service team on **01773 740 688** to find out more.

Reversible entrance systems

The Tuftiguard range of entrance mats is designed to be reversible providing the configuration of the entrance allows, thereby effectively doubling the lifespan of the product. So although these mats may have a higher initial cost than a single sided solution, their durability is legendary and they come with a guarantee of up to 15 years providing peace of mind. The reversible feature also makes Tuftiguard the more sustainable option as the use of the existing mat is extended rather than replaced.

nuway[®] tuftiguard

nuway[®] tuftiguard HD

nuway[®] tuftiguard HD FR

Component structure

At the heart of the Nuway range, the standard Tuftiguard entrance mat is the most widely used rigid engineered entrance mat in the UK. It has the durability, strength and structural integrity to deliver excellent performance and appearance retention in intense 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 are offered in a wide range of colours, enabling the Tuftiguard mat to be co-ordinated 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.

Reversible: Where the configuration of the entrance allows, all Nuway tuftiguard and tuftiguard HD mats can be reversed, effectively doubling their lifespan.

Exploring the options

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.

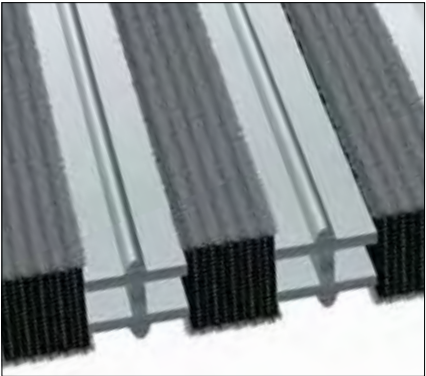
Wiper strips
Tuftiguard wiper strips can be specified in both single and double format. Double format offers twin wiper strips to increase moisture absorption over a shorter distance and enables more colour to be used to reflect the interior colour scheme. If the Nuway entrance system extends less than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

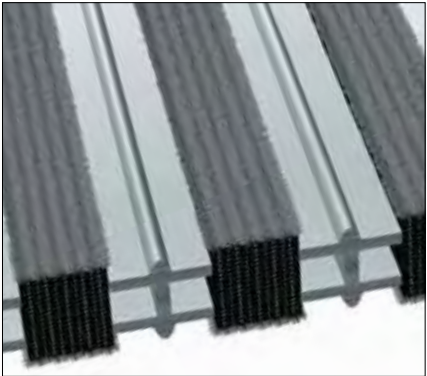
Open construction
An open construction provides more storage capacity for wet and dry soil and is therefore particularly suitable for external use. Removed particles and moisture can fall through the open sections in the mat to be collected in the matwell.

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.

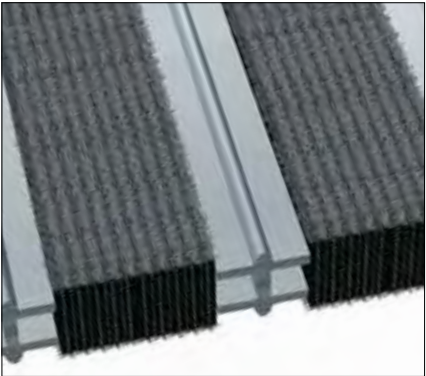
Tiles
Tuftiguard matting is also available in tile format. 50 x 50 cm entrance matting tiles are ideal for multi-directional traffic flows and offer specifiers an additional interesting design option.



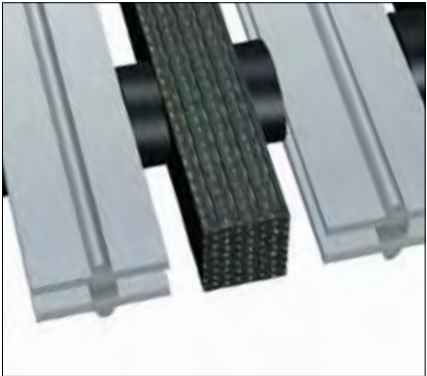
Single wiper strip



Closed construction for interior and transitional areas



Double wiper strip



Open construction for maximum soil removal and retention



For details of all options and technical specifications, please see pages 43 – 44.

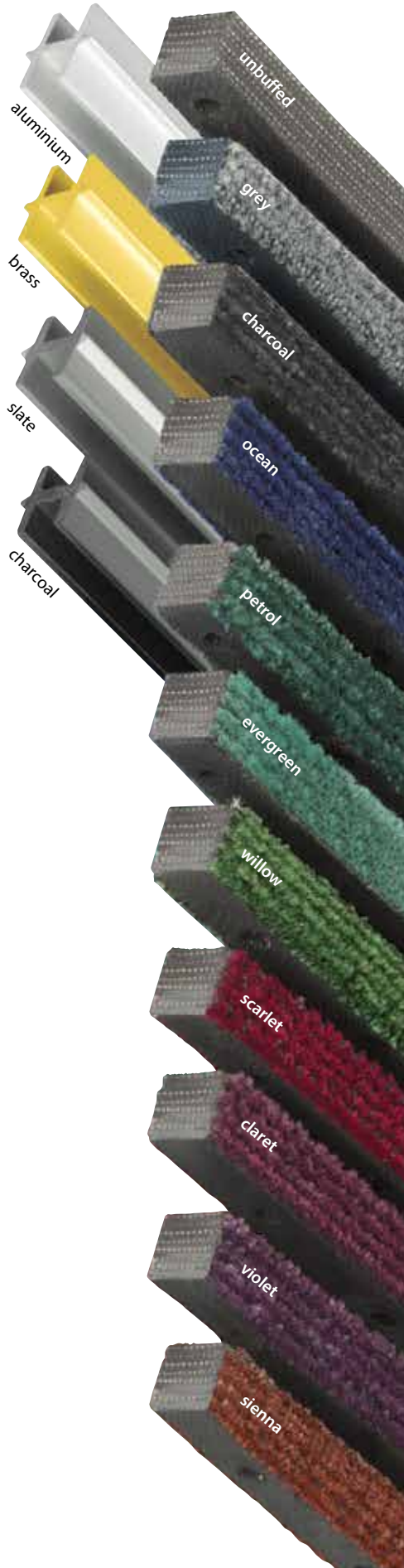
Nuway tuftguard, the collection

There are three different styles of tuftguard mat to choose from, each offering a different level of design and performance flexibility.

Nuway tuftguard

	Tuftguard plain	Tuftguard classic	Tuftguard design
Outdoor application	✓		
Indoor application		✓	✓
Wiper strip style	Unbuffered	Pile – Grey	Pile – 9 standard colours
Scraper bars	Aluminium and brass	Aluminium, brass, PVC (2 standard colours)	Aluminium, brass, PVC (2 standard colours)
12mm height	✓	✓	✓
17mm height	✓ (Brass 17mm only)	✓ (Brass 17mm only)	✓ (Brass 17mm only)
Wiper strip configuration	Single and double	Single and double	Single and double
Mat construction	Open and closed	Open and closed	Open and closed
Application	1	2	2
Dirt removal	✓	✓	✓
Continuous moisture absorption		✓	✓
Guarantee	Up to 15 years if installed by a FESSI (see page 13)		
Level of traffic	Suitable for very heavy and intense traffic areas	Suitable for very heavy and intense traffic areas	Suitable for very heavy and intense traffic areas

For technical information please turn to pages 43 – 44.



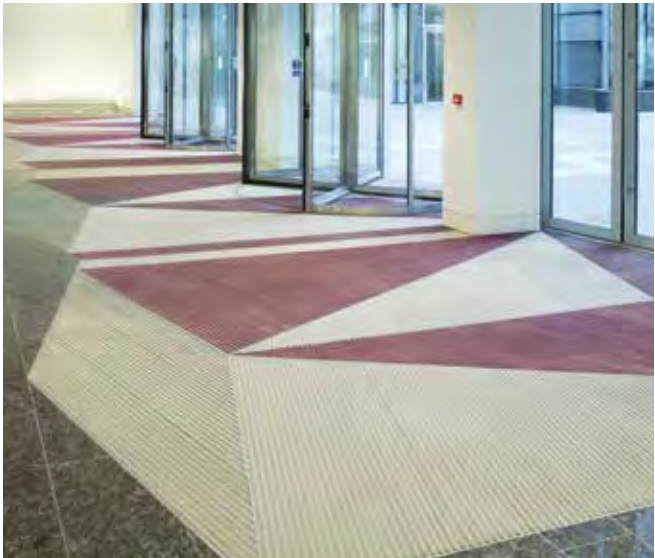
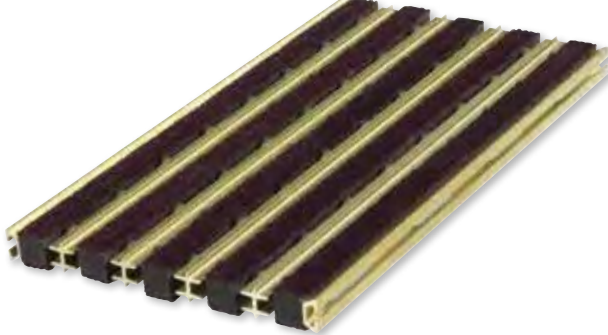
Tuftguard plain



Tuftguard classic



Tuftguard design



Considerations

As with all aluminium matting systems of this type, in very brightly lit areas, the strong contrast between a light aluminium scraper bar and a dark wiper strip 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 wiper strip.

Component structure

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.

Nuway tuftiguard HD is manufactured using a patented aluminium scraper bar to ensure that it's the strongest type of matting in the Nuway range, and possibly in the UK. Tests by Staffordshire University have confirmed that tuftiguard HD can withstand static loads of up to 900kg/cm² compared with the maximum load of 200kg/cm² for standard Tuftiguard mats.

Linkages:

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



Reversible:

Where the configuration of the entrance allows, all Nuway tuftiguard and tuftiguard HD mats can be reversed, effectively doubling their lifespan.

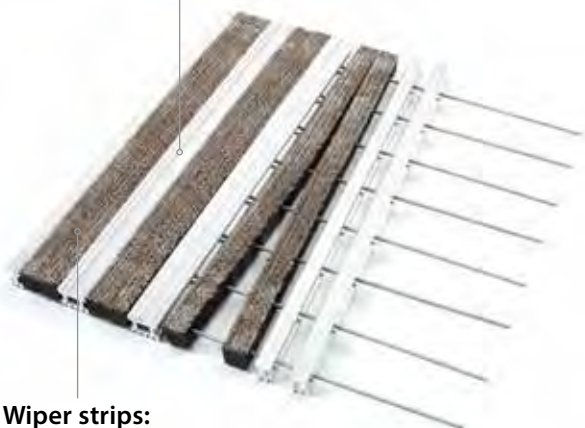


For technical information please turn to page 45.



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.

In railway stations and airports where baggage handling and window cleaning vehicles circulate, in retail outlets where heavy deliveries are moved on wheeled vehicles and in warehouses and factories where heavy loads are transported across the threshold by forklift trucks, Nuway tuftiguard HD entrance mats provide the very highest levels of structural integrity.

The aluminium scraper bars have been designed with a special ridged effect to provide an effective scraping surface to remove dirt while also being smooth enough for wheeled traffic to move easily.



Nuway tuftguard HD, the collection

There are three different styles of Nuway tuftguard HD mat to choose from.

All tuftguard HD mats are offered with a closed construction in a choice of 12 or 17mm heights and feature aluminium scraper bars. The standard tuftguard HD plain mat, which can be used outdoors, has unbuffed rubber wiper strips whilst the tuftguard HD classic mat, suitable for interior use only, has grey buffed pile wiper strips.

The tuftguard HD design mat, also suitable for interior use only, offers more opportunities for colour co-ordination as the wiper bars are offered in a choice of nine standard colours.

For further information on Nuway Flameguard and HD FR, heavy duty entrance products designed specifically for fire sensitive locations such as underground railway stations, please ring our Entrance Flooring Systems customer service team on 01773 740 688.

Nuway tuftguard HD

	tuftguard HD plain	tuftguard HD classic/HD FR	tuftguard HD design
Outdoor application	✓		
Indoor application		✓	✓
Wiper strip style	Unbuffed	Pile – Grey	Pile – 9 standard colours
Scraper bars	Aluminium	Aluminium	Aluminium
12mm height	✓	✓	✓
17mm height	✓	✓	✓
Wiper strip configuration	Double	Double	Double
Mat construction	Closed	Closed	Closed
Application	1	2	2
Dirt removal	✓	✓	✓
Continuous moisture absorption		✓	✓
High Point loading	✓	✓	✓
Guarantee	Up to 15 years if installed by a FESSI (see page 13)		
Level and type of traffic	Suitable for very heavy and intense traffic areas with high point loading	Suitable for very heavy and intense traffic areas with high point loading	Suitable for very heavy and intense traffic areas with high point loading

High point loading – suitable for loads up to 900kg/cm²



Tuftguard HD plain



Tuftguard HD classic
Tuftguard HD FR



Tuftguard HD design



Considerations

As with all aluminium matting systems of this type, in very brightly lit areas, the strong contrast between a light aluminium scraper bar and a dark wiper strip 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 wiper strip.



The level surface of Tuftguard HD makes it ideal for wheeled traffic



Single sided entrance systems

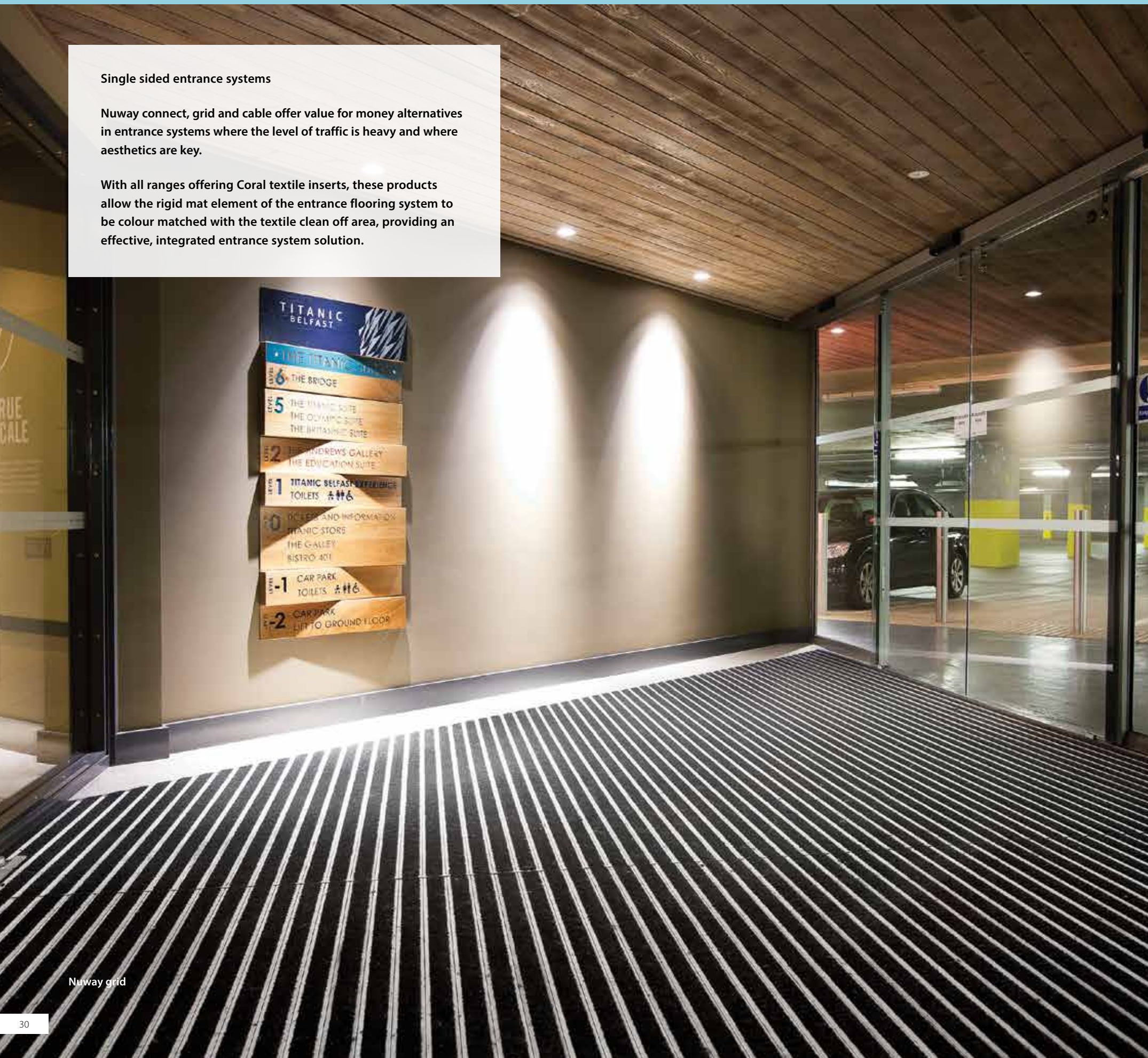
Nuway connect, grid and cable offer value for money alternatives in entrance systems where the level of traffic is heavy and where aesthetics are key.

With all ranges offering Coral textile inserts, these products allow the rigid mat element of the entrance flooring system to be colour matched with the textile clean off area, providing an effective, integrated entrance system solution.

nuway® connect

nuway® grid

nuway® cable



Nuway grid

The flexible rigid entrance system

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.

With a wide choice of inserts, Nuway connect allows 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.

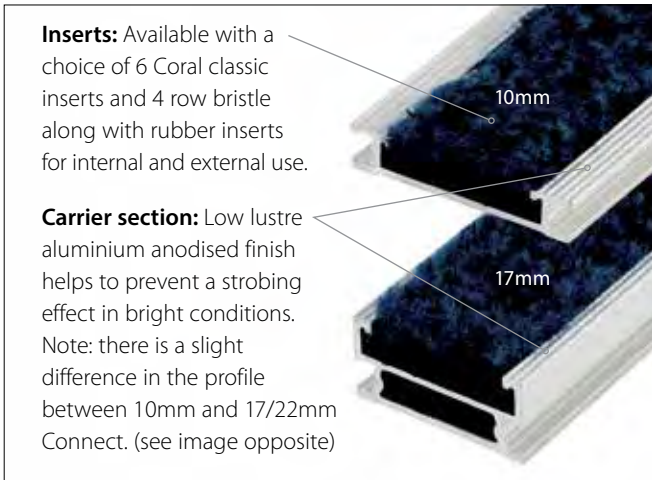
For the internal primary matting zone, Connect is available with a choice of 6 Coral classic inserts allowing the rigid entrance system to be colour co-ordinated to matching Coral classic sheet product used in the secondary matting zone. All three elements, Coral, bristles and rubber, can be mixed and 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.

Connect is also available in a wide choice of heights from 10mm depth to 22mm and in open construction or closed. Open construction Connect mats can be rolled up for ease of cleaning of the matwell and 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.

For those entrances in fire sensitive locations, Connect with Coral inserts meets B_{fl}-s1 fire regulations.



Connect component structure



For technical information please turn to pages 46 – 47.

Choose your combination

Nuway connect is one of the most flexible single sided entrance mats available in the UK. With a choice of 8 inserts, 3 heights and 2 constructions, a Nuway connect mat can be precisely tailored to your individual requirements.

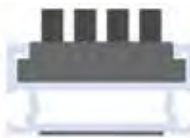
1. Pick your insert



- Coral classic**
- For picking up moisture and fine dirt
 - For interior use only (colours are shown overleaf)



- Rubber**
- For exterior and interior use



- 4-row bristle**
- For removal of coarse dirt
 - For exterior and interior use

2. If required, mix and match your options



- Rubber with bristles (alternating)
- Textile with bristles (alternating)

3. Choose your construction

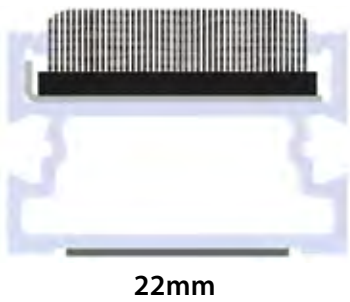
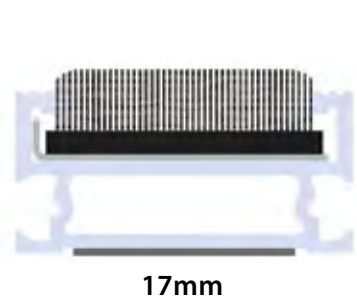
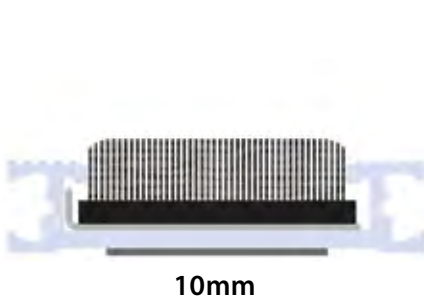


- Open**
- Collect dirt in the matwell rather than on the surface
 - Easily rollable for cleaning



- Closed**
- Improved functionality of the mat as there is a greater surface of inserts

4. Select your height



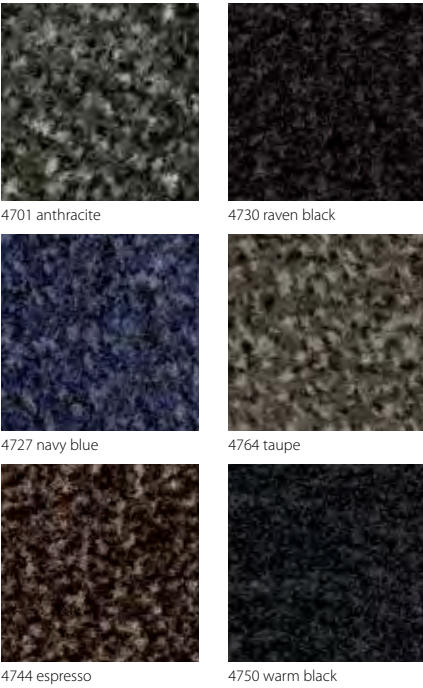
Please note: Due the different construction of the 10mm depth product, there is a greater visibility of the aluminium scraper bar than on the other two heights.

Nuway connect				
		Connect Coral textile	Connect Bristle	Connect Rubber
Outdoor use			✓	✓
Indoor use		✓	✓	✓
Insert		Coral classic (6 colours)	4 row bristle	Fluted rubber
Replaceable inserts		✓	✓	✓
Carrier		Low lustre anodised aluminium		
Dimensions				
Depth to height of aluminium	Connect 10mm	8mm	8mm	8mm
	Connect 17mm	14mm	14mm	14mm
	Connect 22mm	19mm	19mm	19mm
Depth to height of insert	Connect 10mm	11mm	15mm	12mm
	Connect 17mm	17mm	21mm	18mm
	Connect 22mm	22mm	26mm	23mm
Construction		Open or closed		
Mix and match inserts		✓	✓	✓
Accessories available		None	None	None
Removes dirt		✓	✓	✓
Removes moisture		✓		
Rollable		Yes (open construction only)		
Guarantee		5 years (7 if installed by a FESSI)		
Suitable for shaping on site		✓	✓	✓
Level of traffic		Very heavy	Very heavy	Very heavy



2

Coral classic colours available in Nuway connect



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Considerations

As with all aluminium matting systems of this type, in very brightly lit areas, the strong contrast between a light aluminium scraper bar and a dark wiper strip 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.

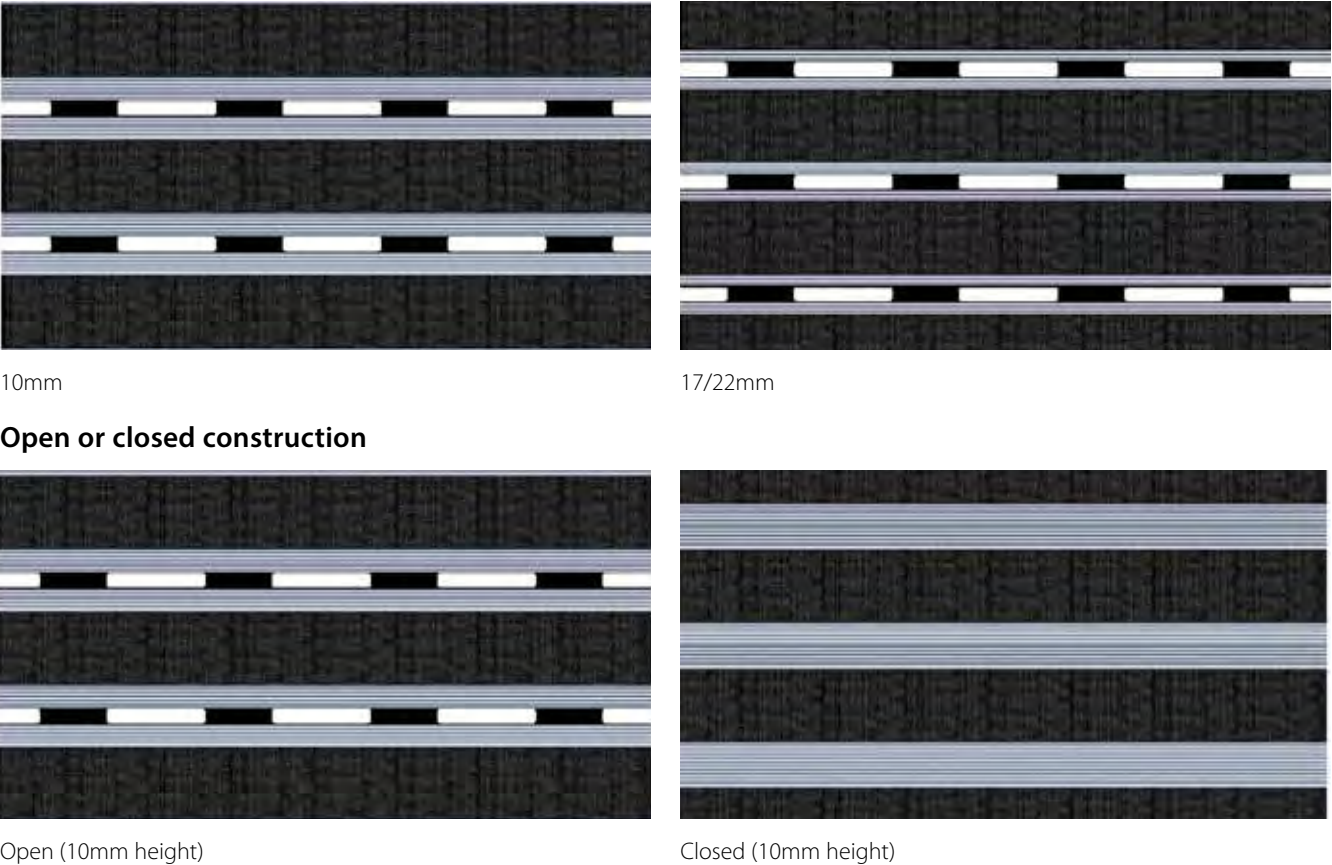
For technical information please turn to pages 46 – 47.

The flexible rigid entrance system

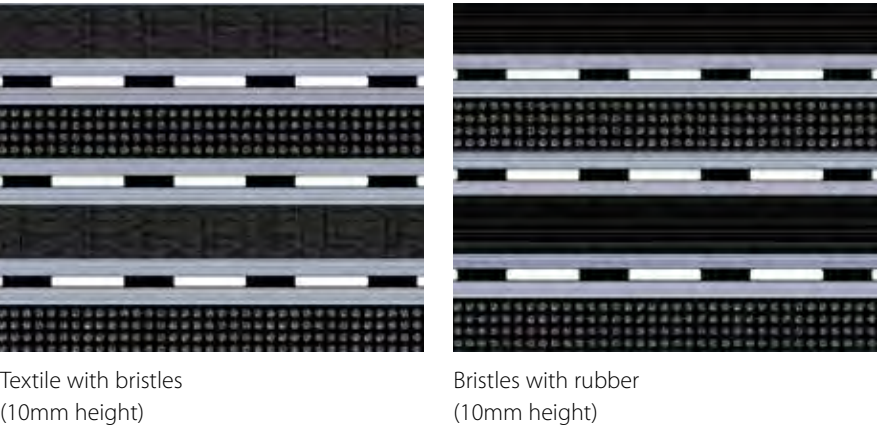
The ability to mix and match various elements of Connect can be seen here. We've only shown a few examples of the combinations available.

Different heights – different profiles

The appearance of the 10 mm depth Connect differs from the 17 and 22 mm versions as the width of the profile of 10 mm Nuway connect is larger and therefore shows more aluminium.



Mix and match – bristle and rubber



Specials

Although Nuway connect is one of the most flexible entrance systems available, there may still be times when different colourways or constructions are needed.

Different colours are available at a small price premium and there is also the possibility of adding anodised aluminium strips, as seen at the top of the page. To find out more, please contact our Entrance Flooring Systems customer service team on 01773 740 688.

nuway[®] grid

Tough, durable and stylish

Nuway grid offers a contemporary and cost effective alternative to Nuway tuftguard entrance matting and is an ideal solution in very heavy traffic entrance areas where aesthetic considerations are paramount.

These single sided rigid mats are attractive, tough and versatile. They enable specifiers to benefit from the strength and durability of an engineered entrance system, underpinned by a five year guarantee (or seven years if fitted by a FESSI contractor – see page 13).

	Nuway grid rubber	Nuway grid Textile
Outdoor application	✓	
Indoor application		✓
Wiper strip style	Black rubber	Coral classic, brush pure or burford
Scraper bars	Low lustre anodised Aluminium	
Depth to height of aluminium	12mm or 17mm	12mm or 17mm
Depth to height of insert	14mm – 23mm	14mm – 23mm
Mat construction	Closed	
Removes dirt	✓	✓
Removes moisture		✓
Guarantee	5 years (7 if installed by a FESSI see page 13)	
Level of traffic	Suitable for very heavy levels of traffic	



The carrier sections can be coupled with an exceptional choice of 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 inserts (for internal use only) in 13 different colourways drawn from the Coral classic, brush pure and burford ranges. Other textile inserts from the Coral range are available to special order. Rubber inserts are also available, which allow grid mats to be used outside.

Like any other Nuway entrance flooring system, Grid mats are supplied to order and accurate measurements of the matting area are required.

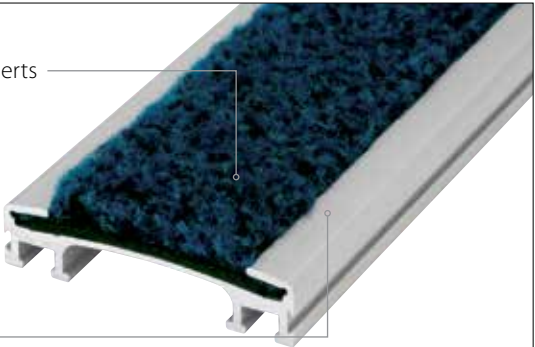
Now available in a choice of 12 and 17mm depths Nuway Grid can be used in the majority of matwells and the unique dovetail construction allows for easy shaping on site.

For technical information please turn to page 50.

Grid component structure

Inserts:

Extensive choice of standard inserts includes a selection of thirteen different textile inserts from the Coral classic, brush pure 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 areas, the strong contrast between a light aluminium scraper bar and a dark wiper strip 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.

2 burford 1 rubber



2 Coral classic



4701 anthracite



4730 raven black



4727 navy blue



5710 asphalt grey



5714 shark grey



5721 hurricane grey



4764 taupe



4744 espresso



4750 warm black



5724 chocolate brown



5727 stratos blue



5730 vulcan black

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

The roll-up, versatile entrance system

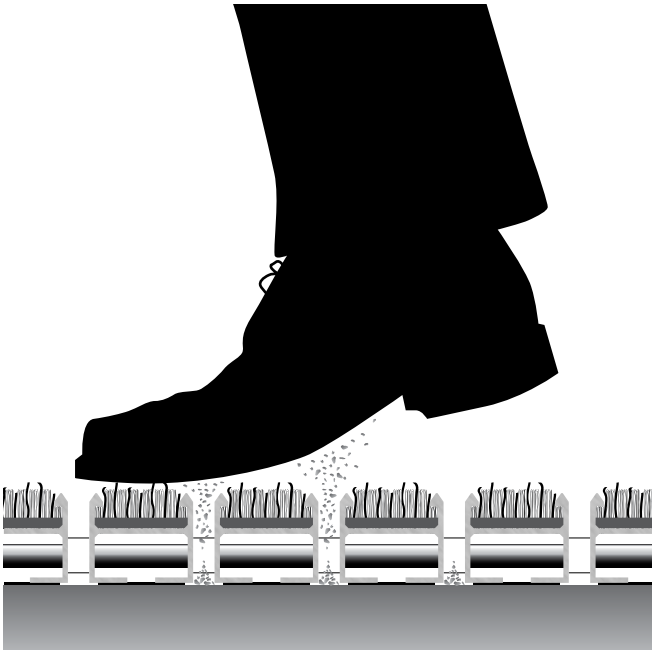
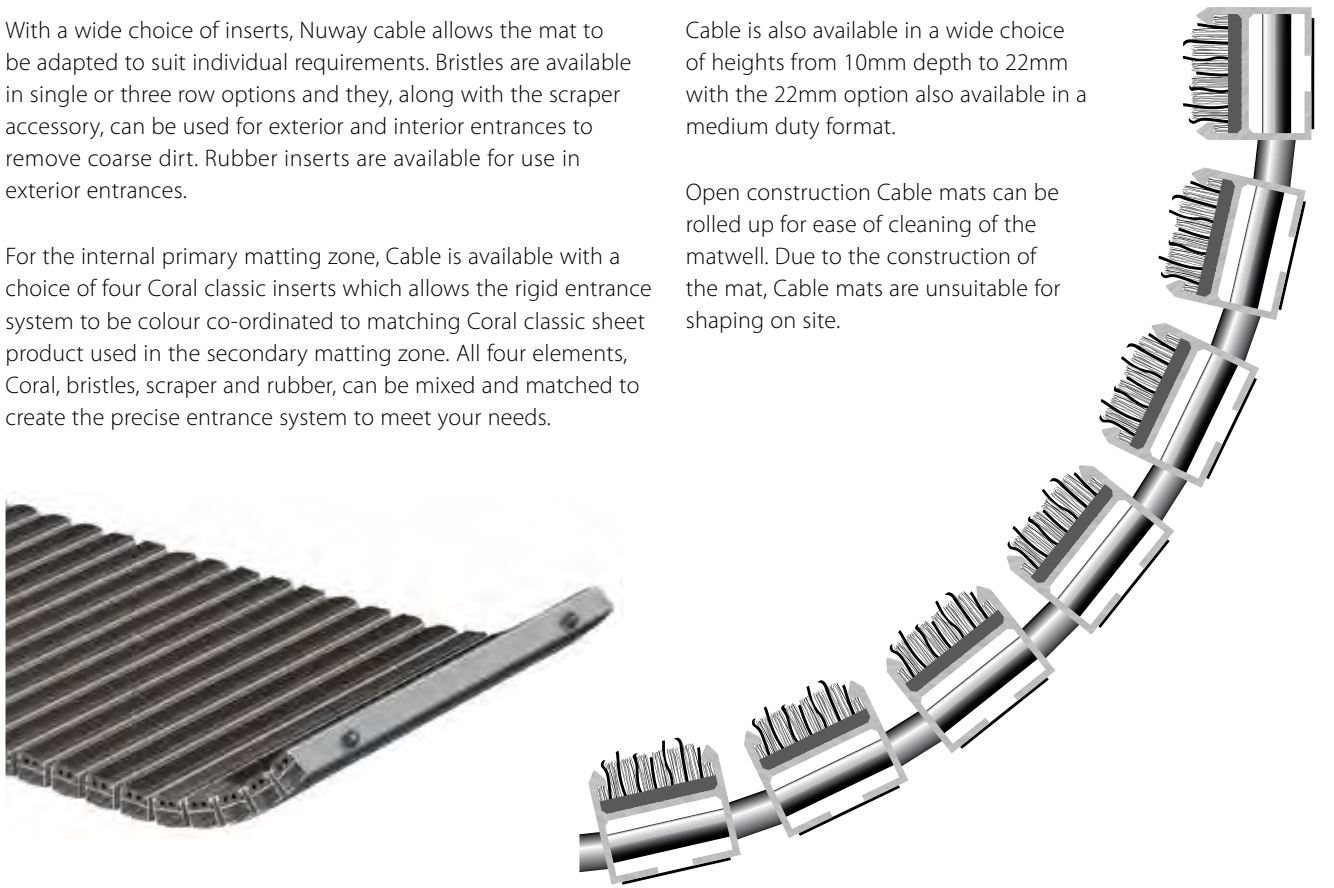
Nuway cable is a versatile roll-up single sided entrance system that's available with a wide choice of inserts and accessories. It's also available in a MD format for areas that need a more robust single sided mat.

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.



Choose your combination

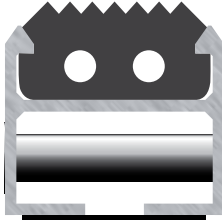
Nuway cable not only allows a choice of insert and height, but there's also a choice of accessory available such as a scraper or single row of bristles, so you can have the perfect customised entrance system.

1. Pick your insert



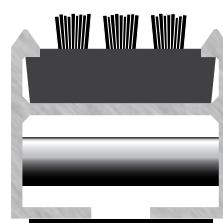
Coral

- For picking up moisture and fine dirt
- For interior use only



Rubber

- For exterior and interior use



3-row bristle

- For removal of coarse dirt
- For exterior and interior use

2. Select your accessory, when needed



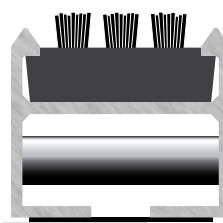
Scraper

- Scraping off all coarse dirt from your shoes
- Available on 22mm only



Bristles

- Ideal for exterior and interior use
- Available on 22mm only

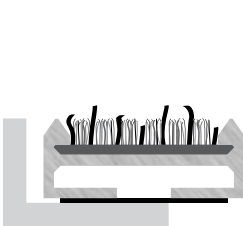


3-row bristle

- Ideal for exterior and interior use
- Available on 17 and 22mm only

Note: accessories are not available on 10mm product

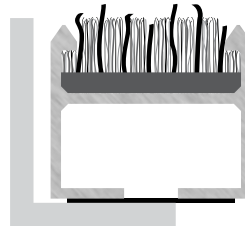
3. Select your height and format



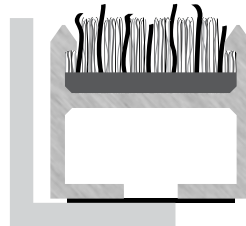
10mm



17mm



22mm



22mm MD

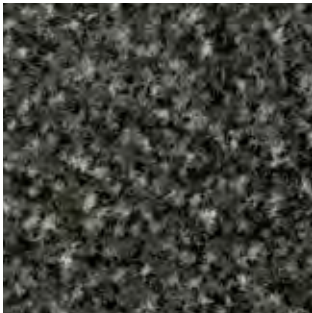
For technical information please turn to pages 48 – 49.

Nuway cable, the collection

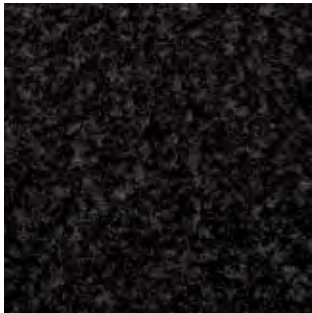
	Nuway cable	
	Nuway cable textile	Nuway cable rubber and bristle
Outdoor		✓
Indoor	✓	✓
Insert	Coral classic (4 colours)	Rubber or 3 row bristle
Replaceable inserts	No	
Carrier	Aluminium	
Depth to height of aluminium	10, 17, 22 and 22mm MD (3 row bristles in 17 and 22mm only)	
Depth to height of insert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



2 Coral classic



4701 anthracite



4730 raven black



4727 navy blue



4744 espresso

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

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. To find out more, please contact our Entrance Flooring System customer service team on 01773 740 688.

Considerations

As with all aluminium matting systems of this type, in very brightly lit areas, the strong contrast between a light aluminium scraper bar and a dark wiper strip 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.

The roll-up, versatile entrance system

The versatility of Nuway Cable can be easily seen through the ability to mix and match options.



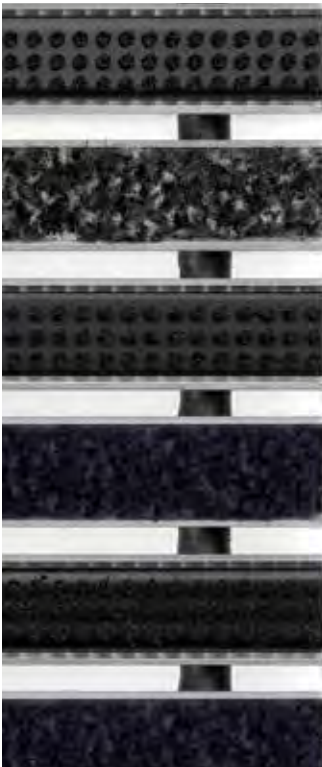
Cable with textile insert



Cable with textile insert and single row bristle accessory



Cable with textile insert and scraper accessory



Cable with textile insert and 3 row bristle accessory



Cable with rubber insert



Cable with rubber insert and single row bristle accessory



Cable with rubber insert and scraper accessory



Cable with rubber insert and 3 row bristle accessory

For technical information please turn to pages 48 – 49.

Technical specifications

Nuway tuftiguard – plain, classic and design																				
Maximum length per module	2500mm																			
Maximum width per module	750mm																			
Maximum weight per module	23kg/m²																			
Depth	12mm								17mm											
Scraper bar material	Aluminium				PVC				Aluminium				PVC				Brass			
Construction	Open		Closed		Open		Closed		Open		Closed		Open		Closed		Open		Closed	
Number of wiper strips	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Total weight (kg/m²)	11	12	14	15	10	12	12	14	14	15	16	17	12	14	14	16	25	22	29	26
Max static load (kg/cm²)	200								200											
Dynamic load (kg) 2 wheels 80mm, 20,000 passes	200								200											
Ramp frame model	ARF 50								ARF 70											
Manufacturing method	Entrance flooring system with scraper bars and rubber wiper strips																			
Wiper designs	Plain, grey fibres, coloured fibres																			
Wiper material	Rubber																			
Pile material	100% Polyamide BCF																			

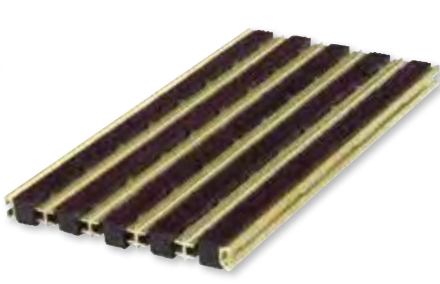
Tuftiguard Plain



Tuftiguard classic



Tuftiguard design/select



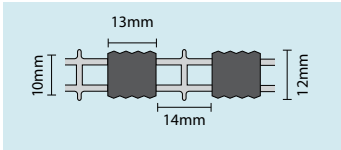
Considerations

PVC is temperature sensitive. When specifying entrance flooring for areas where temperature may increase significantly such as in glass atriums, beneath hot air blowers, in south facing areas or within heat ‘curtains’ please contact our Entrance Flooring Systems customer service team on **01773 740 688** for advice.

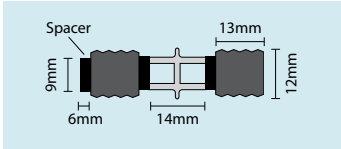
In very brightly lit areas, the strong contrast between a light aluminium scraper bar and a dark wiper strip can sometimes create a strobe effect, which should be avoided. To prevent this type of occurrence, consider using a less contrasting colour combination of scraper bar and wiper strip from our wide range.



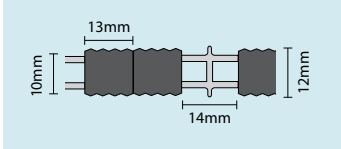
Tuftguard Plain



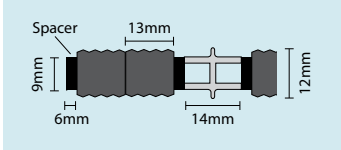
12mm single closed



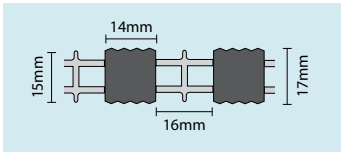
12mm single open



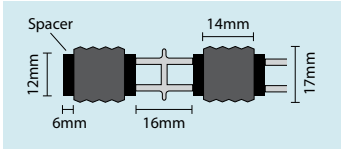
12mm double closed



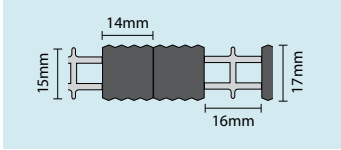
12mm double open



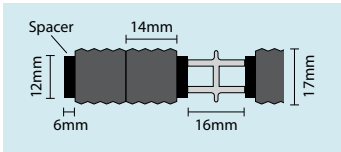
17mm single closed



17mm single open



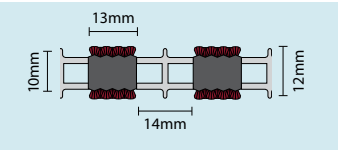
17mm double closed



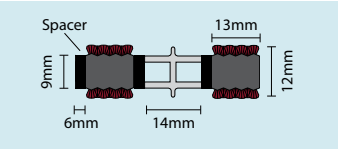
17mm double open

All dimensions are approximate.

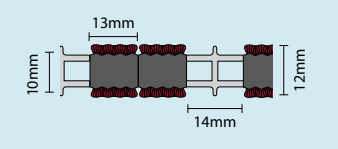
Tuftguard Classic and Design



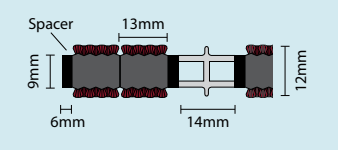
12mm single closed



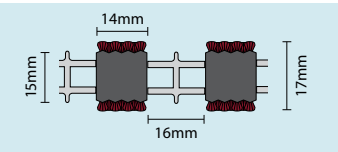
12mm single open



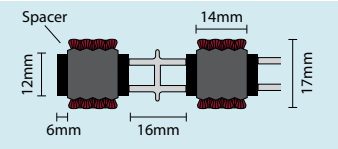
12mm double closed



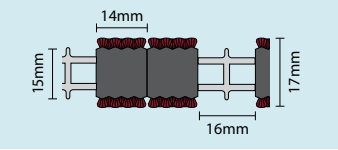
12mm double open



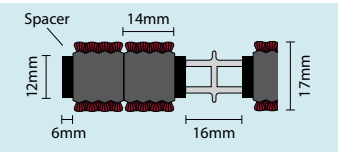
17mm single closed



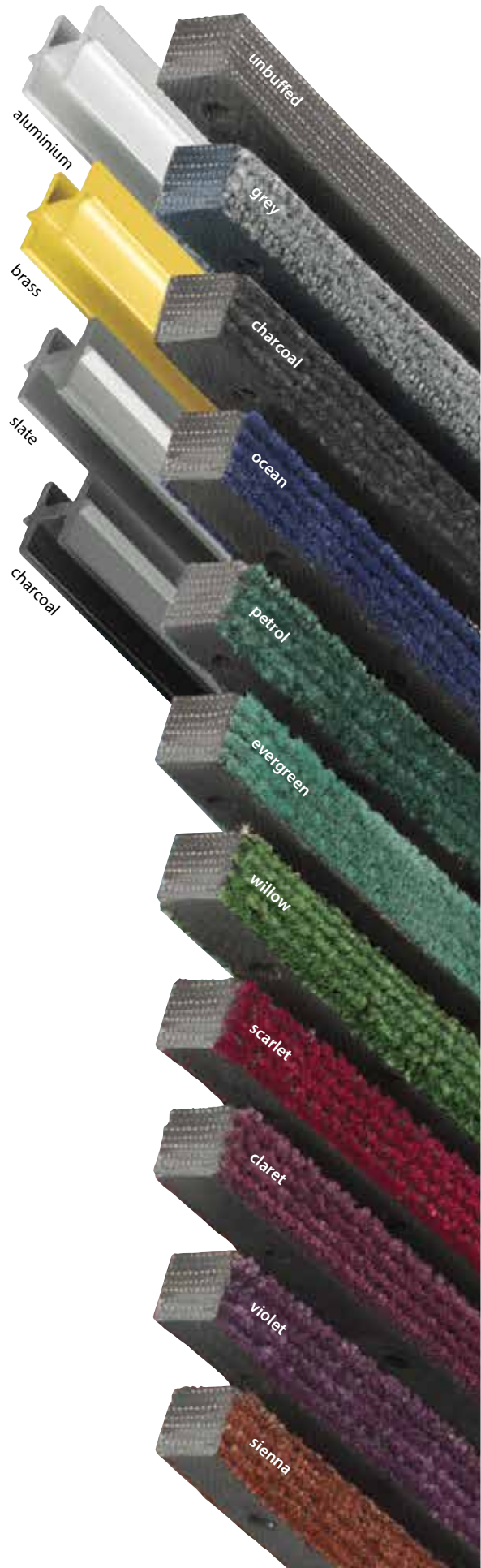
17mm single open



17mm double closed



17mm double open



Technical specifications

Nuway tuftguard HD – plain, classic, design and FR		
Maximum length per module	2500mm	
Maximum width per module	750mm	
Maximum weight per module	23kg/m ²	
Depth	12mm	17mm
Scraper bar material	Aluminium	Aluminium
Construction	Closed	Closed
Number of wiper strips	2	2
Total weight (kg/m ²)	17	24
Max static load (kg/cm ²)	900	900
Dynamic load (kg) 2 wheels 80mm, 20,000 passes	350	350
Fire behaviour EN13501-1	C _{fl} -s1 (with FR rubber)	B _{fl} -s1 (with FR rubber)
Ramp frame model	ARF 50	ARF 70
Manufacturing method	Entrance flooring system with scraper bars and rubber wiper strips	
Wiper designs	Plain, grey fibres, coloured fibres	
Wiper material	Rubber	
Pile material	100% Polyamide BCF	

Tuftguard HD Plain



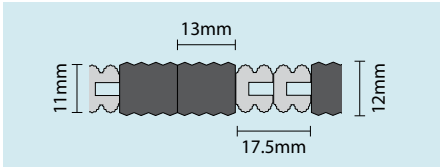
Tuftguard HD classic/
Tuftguard HD FR



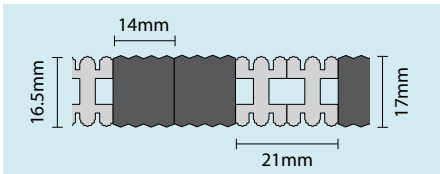
Tuftguard HD design



Tuftguard HD Plain

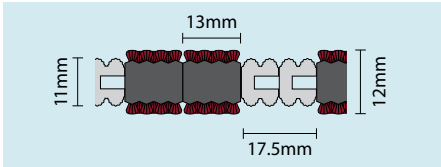


12mm Double closed

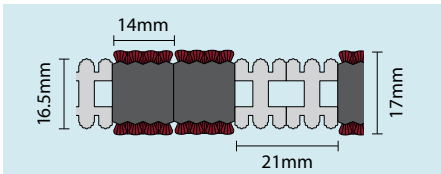


17mm Double closed

Tuftguard HD classic/Tuftguard HD FR



12mm Double closed



17mm Double closed

All dimensions are approximate.



Technical specifications

Nuway connect with Coral classic textile insert												
Combination	Textile only						Textile and 4 row bristle					
System	Open			Closed			Open			Closed		
	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) wheel of 80mm, 40,000 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 _f s1					
Frame	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3
Ramp frame	11 x 49	17 x 70		11 x 49	17 x 70		11 x 49	17 x 70		11 x 49	17 x 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 Coral classic textile insert												
Combination	Bristle only						Bristle and Rubber					
System	Open			Closed			Open			Closed		
	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) wheel of 80mm, 40,000 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 _f s1					
Frame	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3	13 x 13 x 17	19 x 19 x 17	25 x 25 x 3
Ramp frame	11 x 49	17 x 70		11 x 49	17 x 70		11 x 49	17 x 70		11 x 49	17 x 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					

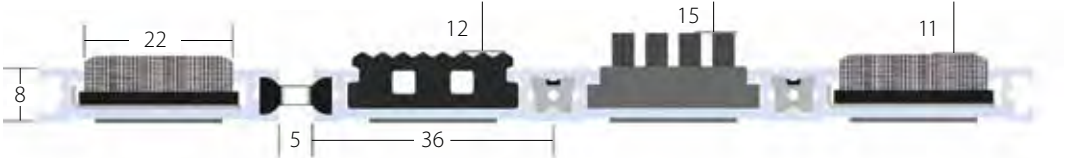
Please note EPDM rubber is Ethylene Propylene Diene Monomer.

Technical specifications

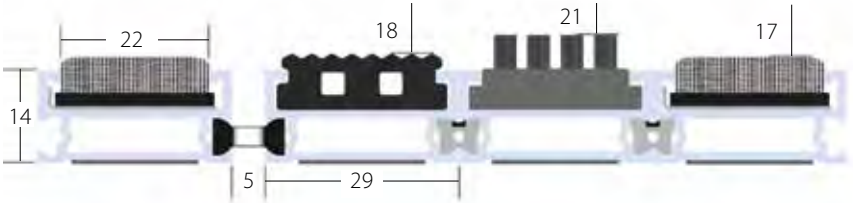
Nuway connect with Coral classic textile insert						
Combination	Rubber only					
System	Open			Closed		
	10mm	17mm	22mm	10mm	17mm	22mm
Depth to height of aluminium (mm)	8	14	19	8	14	19
Depth to height of insert (mm)	12	18	23	12	18	23
Distance between the profiles (mm)	5			0		
Weight (kg)	12.0	16.2	17.9	13.3	18.6	20.6
Max width per module (mm)	3000					
Max depth per module (mm)	Relates to the weight					
Max weight per module (kg)	23					
Dynamic load (kg) wheel of 80mm, 40,000 passes	100	100	100	100	100	100
Static load (kg/sqcm)	100	100	100	100	100	100
Fire behaviour EN ISO 9239-1	C _f s1					
Frame	13 x 13 x 1.7	19 x 19 x 1.7	25 x 25 x 3	13 x 13 x 1.7	19 x 19 x 1.7	25 x 25 x 3
Ramp frame	11 x 49	17 x 70		11 x 49	17 x 70	
Material and manufacturing method	Anodised aluminium profiles with PVC connector profiles, stainless steel clips					
Wiper design	Ribbed rubber					
Wiper material	100% EPDM					

Main dimensions shown in mm

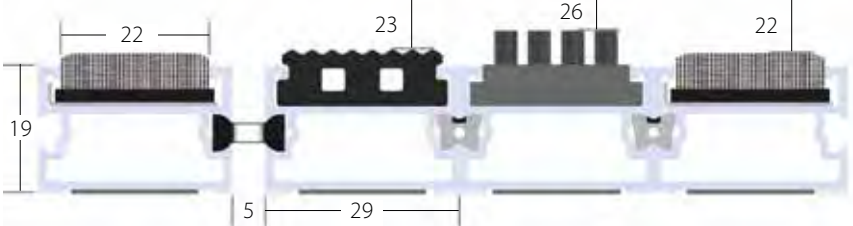
Nuway connect 10mm



Nuway connect 17mm



Nuway connect 22mm



Technical specifications

Nuway cable with Coral classic								
Accessory	None				3-row bristle		Bristle	Scraper
Depth to height of aluminium (mm)	10	17	22	22MD	17	22	22	22
Depth to height of insert (mm)	13	20	25	25MD	20	25	25	
Weight (kg/m²)	9	10	12	16	12	14	14	15
Max width per module (mm)	2500	3000			3000		3000	3000
Max depth per module (mm)	Relates to weight				Relates to weight			Relates to weight
Max weight per module (kg)	23				23			23
Distance between profiles (mm)	5				5		5	5
Construction	Open				Open		Open	Open
Dynamic load (kN) DIN 1072: 200 x 260mm = 520cm²	10	20	20	40	20		20	20
Fire behaviour EN13501-1	B _{fl} s1							
Frame	13 x 20 x 3	20 x 20 x 3	25 x 20 x 3	25 x 20 x 3	20 x 20 x 3	25 x 20 x 3	25 x 20 x 3	25 x 20 x 3
Ramp frame	11 x 49 x 2	18 x 70 x 3			18 x 70 x 3			
Manufacturing method	Entrance Flooring System made from aluminium carriers with PA tufted inserts. Connected with cables				Entrance Flooring System made from aluminium carriers with PA tufted inserts and PA bristles. Connected with cables			Entrance Flooring System made from aluminium carriers with PA tufted inserts and PA bristles. Connected with cables
Wiper designs	Coral clean-off system				Coral clean-off + 3-row bristles		Coral clean-off + 1-row bristles	Coral clean-off system + scraper
Wiper material	100% polyamide BCF				Textile and bristles: 100% polyamide BCF			Textile: 100% polyamide Scraper: Aluminium

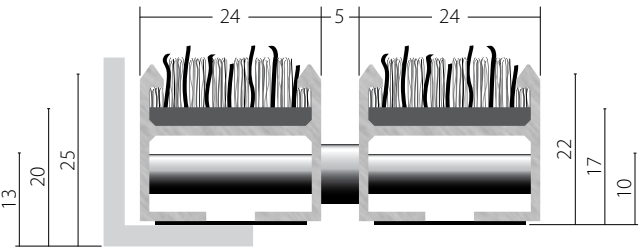
Nuway Cable with rubber								
Accessory	None				3-row bristle		Bristle	Scraper
Depth to height of aluminium (mm)	10	17	22	22HD	17	22	22	22
Depth to height of insert (mm)	13	20	25	25HD	20	25	25	
Weight (kg/m²)	14	15	17	21	14	16	16	16
Max width per module (mm)	2500	3000			3000		3000	3000
Max depth per module (mm)	Relates to weight				Relates to weight			Relates to weight
Max weight per module (kg)	23				23			23
Distance between profiles (mm)	5				5		5	5
Construction	Open				Open		Open	Open
Dynamic load (kN) DIN 1072: 200 x 260mm = 520cm²	10	20	20	40	20		20	20
Fire behaviour EN13501-1								
Frame	13 x 20 x 3	20 x 20 x 3	25 x 20 x 3	25 x 20 x 3	20 x 20 x 3	25 x 20 x 3	25 x 20 x 3	25 x 20 x 3
Ramp frame	11 x 49 x 2	18 x 70 x 3			18 x 70 x 3			
Manufacturing method	Entrance Flooring System made from aluminium carriers with PA tufted inserts. Connected with cables				Entrance Flooring System made from aluminium carriers with PA tufted inserts and PA bristles. Connected with cables			Entrance Flooring System made from aluminium carriers with rubber inserts and alu scraper. Connected with cables
Wiper designs	Rubber				Rubber + 3-row bristles		Rubber + 1-row bristles	EPDM + scraper
Wiper material	Rubber: 100% EPDM				Rubber: 100% EPDM Bristles: 100% polyamide BCF			Rubber: 100% EPDM Scraper: Aluminium

Technical specifications

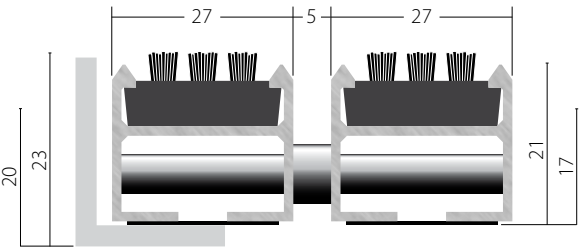
Nuway cable with 3-row bristle			
Accessory	None		Scraper
Depth to height of aluminium (mm)	17	22	22
Depth to height of insert (mm)	20	25	22
Weight (kg/m²)	14	16	16
Max width per module (mm)	3000	3000	3000
Max depth per module (mm)	Relates to the weight	Relates to the weight	Relates to the weight
Max weight per module (kg)	23	23	23
Distance between profiles (mm)	5	5	5
Construction	Open	Open	Open
Dynamic load (kN) DIN 1072: 200 x 260mm = 520cm²	20	20	20
Static load (kg/sqcm)	100	100	100
Fire behaviour EN ISO 9239-1			
Frame	20 x 20 x 3	25 x 20 x 3	25 x 20 x 3
Ramp frame	18 x 70 x 3		
Manufacturing method	Entrance Flooring System made from aluminium carriers with PA bristles. Connected with cables		Entrance Flooring System made from aluminium carriers with PA bristles and aluminium scraper. Connected with cables
Wiper designs	3-row bristles	3-row bristles	3-row bristles + scraper
Wiper material	100% polyamide	100% polyamide	Bristles: 100% polyamide Scraper: Aluminium

Main dimensions shown in mm

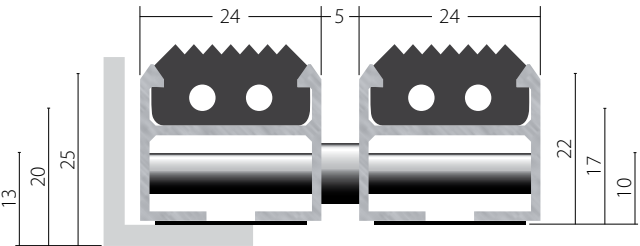
Nuway cable with textile insert



Nuway cable with bristle insert

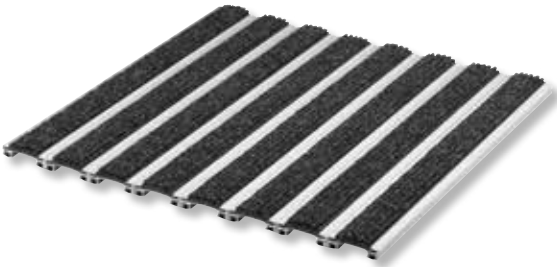


Nuway cable with rubber insert

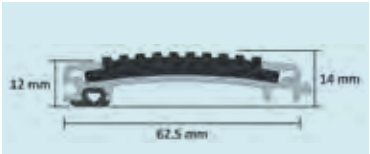


Technical specifications

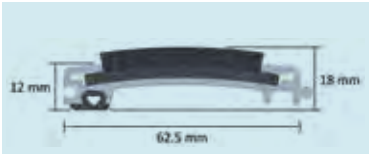
	12mm Grid		17mm Grid	
Maximum length per module	3000mm		3000mm	
Maximum width per module	750mm		750mm	
Maximum weight per module	23kg		23kg	
	Rubber	Textile	Rubber	Textile
Depth to height of aluminium	12mm	12mm	17mm	17mm
Depth to height of infill	14mm	18mm	19mm	23mm
Infill material	Rubber	Burford/Coral Classic/ Coral Brush pure	Rubber	Burford/Coral Classic/ Coral Brush pure
Construction	Closed		Closed	
Total weight	10.5kg/m²	Approx 9kg/m²	17.2kg/m²	Approx 15kg/m²
Max static load	100kg/m²		100kg/m²	
Dynamic load 2 wheels 80mm, 20,000 passes	200kg		200kg	
Ramp frame model	ARF 50		ARF 70	
Manufacturing method	Entrance flooring system with carriers and rubber infills	Entrance flooring system with carriers and textile infills	Entrance flooring system with carriers and rubber infills	Entrance flooring system with carriers and textile infills
Wiper material	Rubber	Needlefelt/PVC backed textile	Rubber	Needlefelt/PVC backed textile
Pile material	N/A	100% Polyamide BCF	N/A	100% Polyamide BCF



Nuway grid 12mm

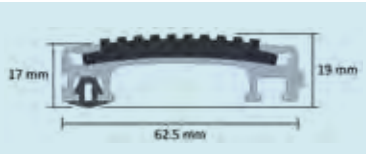


Nuway grid 12mm with rubber insert

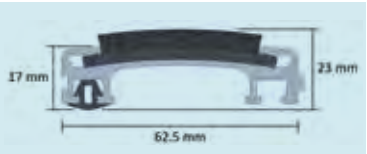


Nuway grid 12mm with textile insert

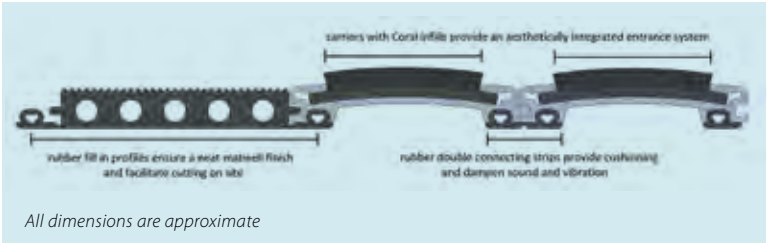
Nuway grid 17mm



Nuway grid 17mm with rubber insert



Nuway grid 17mm with textile insert



To see full range of inserts, please refer to page 36.



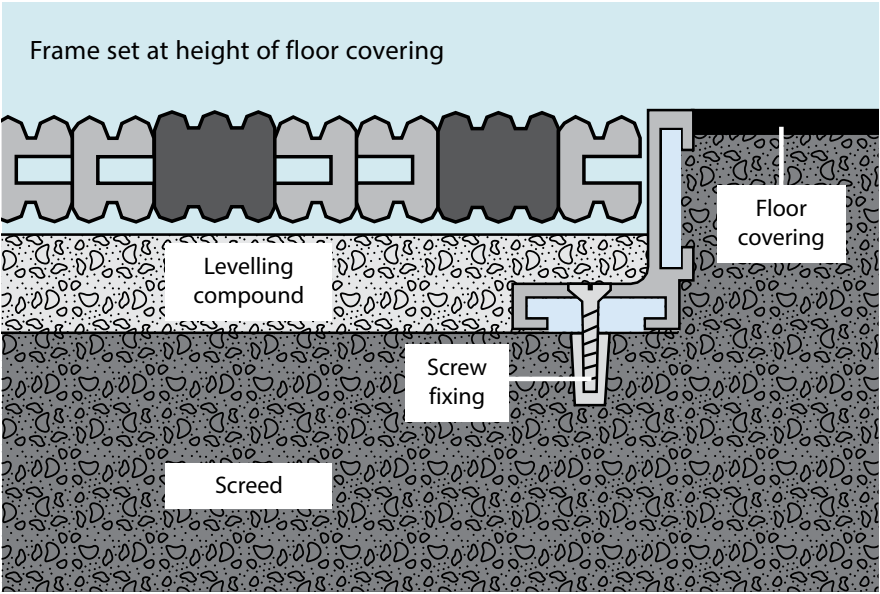
Considerations

In very brightly lit areas the strong contrast between a light aluminium scraper bar and a dark wiper strip can sometimes create a strobe effect, which should be avoided. To avoid disorientating pedestrians affected by this type of visual disturbance consider using a less contrasting insert.

Nuway site preparation and installation

It is important to take provide accurate measurements, mathematically scaled diagrams or dimensionally stable templates when ordering your Nuway mat. It is also important to ensure that the site where the mat is to be installed has been correctly prepared. Matwell subfloors must be of sound construction, dry, smooth and level. Prior to installation the surface should be clean and free from contamination. For internal mat installations the screed should be flat and level to accommodate the depth of the chosen mat. For external mat installations the screed should again be flat and level to the depth of the frame, and consideration must be given to drainage.

We are able to provide details of our approved, nationwide network of independent installation contractors who are trained in every aspect of installing a Nuway entrance flooring system for you. Please see details of our FESSI scheme on page 13.



Typical cross section of frame set into screed with screw fixing

**Note: PVC is temperature sensitive. When specifying entrance flooring for areas where temperatures may increase, such as in glass atriums, beneath hot air blowers, in south facing areas or within heat curtains, please contact our Entrance Flooring Systems customer service team on 01773 740 688 for advice.*

Drainage

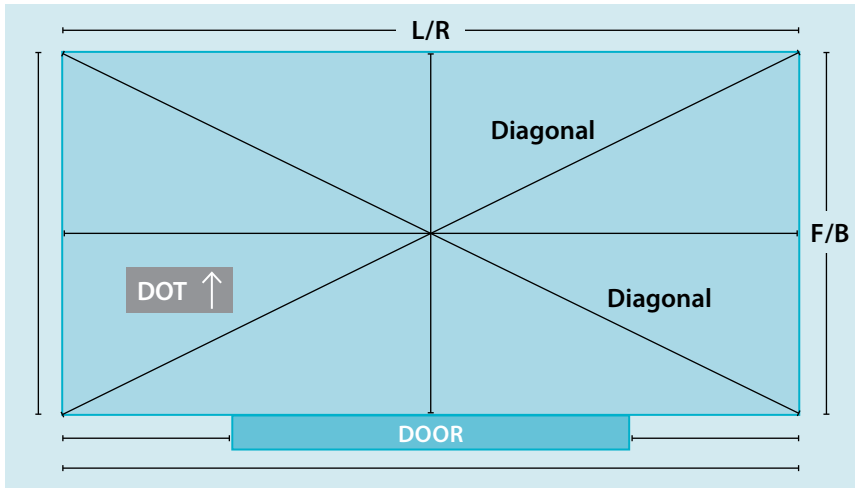
The use of open construction entrance systems is growing and when this is coupled with a rollable product, the cleaning of the matwell becomes much easier. However, when an open mat is in an external application and open to adverse weather conditions, an appropriate drainage system will be needed.



Matwell measuring

Nuway mats are made to order, assembled in our Telford plant to the client's precise specification and template.

In simple, rectangular mats, it should be easy to measure using the procedure below. For more complex and unusually designed entrance areas, Forbo can provide help with matwell measuring and templating. Please contact your local Forbo business area manager to find out more.



Key DOT = Direction of traffic

Measuring rectangular areas

The above example shows the dimensions that are required for a rectangular matwell area. Dimensions should always be taken from the internal frame face and clearly marked on the layout plan as 'internal frame sizes'.

Measurements should include the relationship between the door and the edge of the matwell. These dimensions are critical as they determine where the T-bar joint strips are to be positioned. Alternatively, T-bar positions can be indicated on the drawing as required.

L/R (left to right), diagonal and F/B (front to back) dimensions are also required with the addition of a midpoint measurement, this confirms if there are any discrepancies in the frame i.e not straight.

Measure the depth of the matwell to ensure product suitability. This dimension is taken from the matwell floor to the top edge of the matwell frame. Direction of foot traffic should also be highlighted on the layout plan with an arrow showing DOT (direction of traffic).

Nuway accessories

Recessed frames/installations

Nuway matwell frames are available in aluminium and brass, and are designed to anchor into sand and cement screeds for secure site installation. All frames are custom built to fit specific site requirements, with curved frames available to special order.

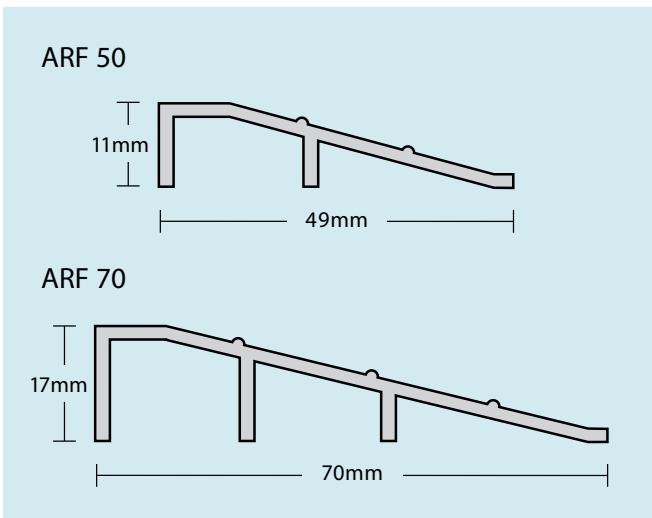
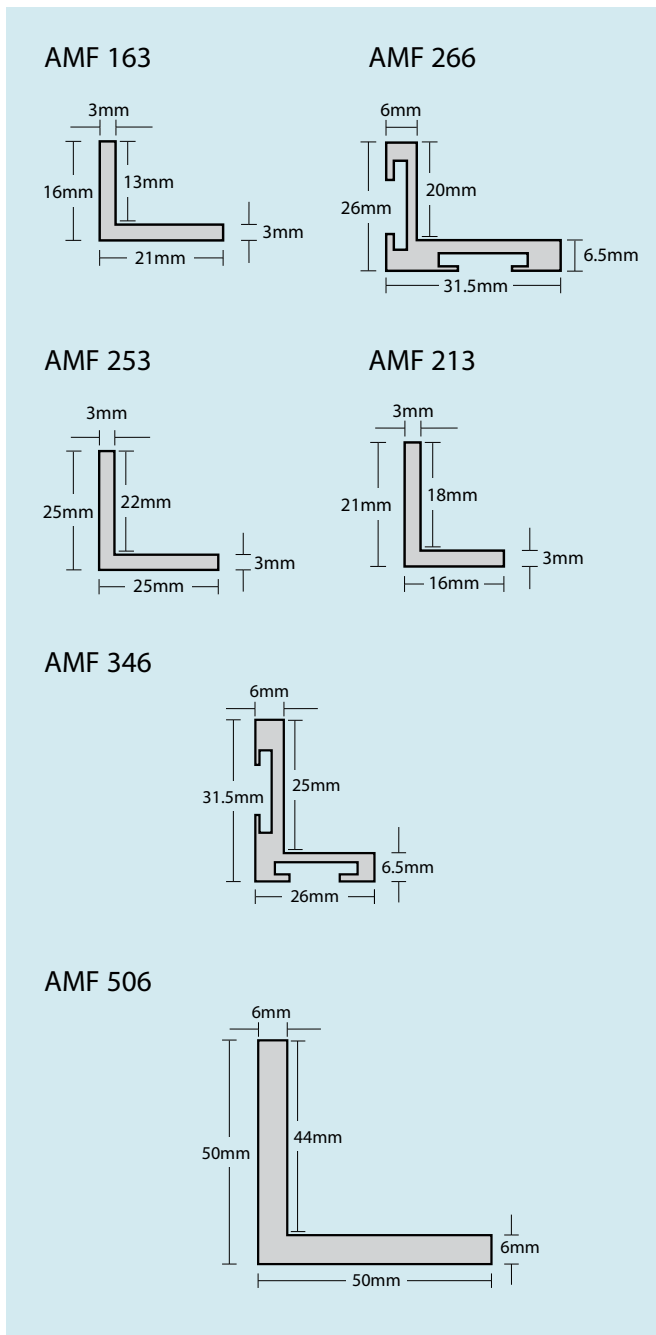
Nuway frames are supplied in kit form for ease of transport, storage and on-site assembly.

Nuway cable

There is a further range of ramps and frames available specifically for Nuway cable. For more information, please contact our Entrance Flooring Systems customer service team on 01773 740 688.

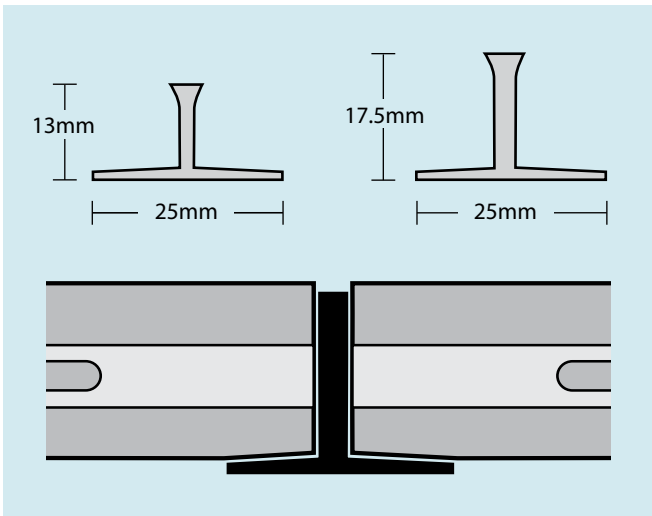
Ramped frames and surface mounted installations

Internal and external ramp frames are supplied mitred and drilled. Straight cut, undrilled lengths are also available, allowing on site adjustments. The surface is ribbed for enhanced grip.



T-Bars

Nuway T-Bars provide separation between modules to facilitate easy removal for cleaning and reversibility. Tuftiguard T-Bars are available in aluminium, brass or PVC. Grid T-Bars are available in aluminium. Please note that T-bars are automatically included in each order. (17.5mm height must be used with grid)



Coral textile clean-off systems

Coral has secured its leading position as the most widely used range of textile “clean-off” entrance products through the use of high performance materials with strong sustainability credentials, along with a colour palette based on the very latest interior design trends.

coral® duo**coral**® brush pure**coral**® brush blend**coral**® welcome**coral**® classic**coral**® grip**coral**® logo**coral**® T32 marine

Keep the world outside, outside

94%

of walked in dirt and moisture can be kept out with Coral



Safety for your visitors

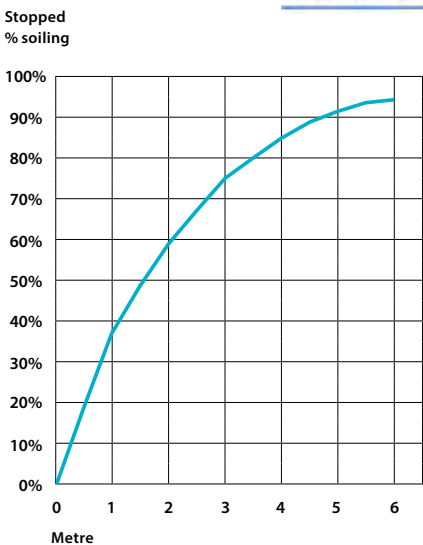
Do you slow down or stop to wipe your feet when you walk into an office, shopping centre or other public space? Chances are you don't. Most of us just stride on in. Which is why it's important to install an entrance flooring product to keep the world outside, outside.

Third-party tests have proved that equipping an entrance with Coral that has six metres walking depth can keep up to 94% of all walked in dirt and moisture out of a building, which makes it 40% more effective than our previous range and competitive products.

By keeping out dirt and moisture at the entrance, cleaning costs can be cut significantly, interior floors protected and the potential for slipping greatly reduced.

All our Coral ranges comply with the highest fire rating for a textile product, B_{fl}-s1 which can be important as many entrances have a dual function as emergency exits. If compliance with even tougher fire regulations is required, we can supply Coral with a special latex backing. This backing should also be used when placing Coral on stairs.

You can also be confident in Coral's durability. All the Coral ranges in shown in this brochure achieve the highest 'wear use' classification for a textile product, class 33, and are suitable for areas of intense use, equivalent to class 34.



Saving money and the environment

65%

reduction in cleaning costs

Protection for your floor

Dirt and moisture that people walk into a building can damage any interior floor and rectifying the issue can cost a significant amount of money and cause major disruption.

Cleaning Research International has proven that the cost of maintenance is 86% of the total life cycle cost of commercial floor coverings.

A well designed entrance flooring system is a highly effective way to cut your future costs. By stopping up to 94% of walked-in dirt and moisture from reaching your main floor coverings, Coral can reduce your cleaning bills by up to 65% and prolong the life of your floor finishes and coverings.

Creating better environments

Using Forbo Coral can cut cleaning costs and can also reduce the use of water and chemical cleaning agents which is obviously good for the environment.

In addition, most of our Coral ranges are manufactured using 100% ECONYL® regenerated polyamide yarns. Abandoned fishing nets are one of the unlikely sources of unwanted waste material which go to make ECONYL®. Using ECONYL® is a way to reduce existing waste, avoid additional manufacturing-related pollution, and keep the consumption of natural resources and energy to a minimum.



BREEAM specific ratings for Coral

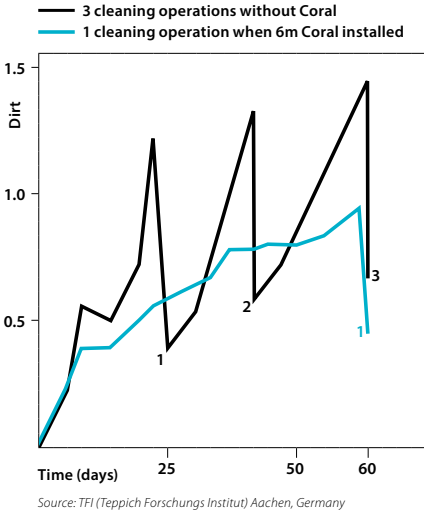
Product Description	Offices	Schools	Healthcare	Domestic	Retail/Leisure (Durability)	Retail/Leisure (Fashion)
Coral Welcome	A	A	A	A	A	A+
Coral Classic	B	A	A	B	B	A+

Coral Duo, Brush Pure and Blend are being assessed by BREEAM as they are new products. Please visit www.forbo-flooring.co.uk/environment for updates.



The major part of our collection is produced with ECONYL®

The primary backing of our Coral Welcome range is made from recycled pop bottles for even stronger environmental credentials. So it comes as no surprise that all our Coral products score highly on BREEAM ratings.



Source: TFI (Teppich Forschungs Institut) Aachen, Germany

Ideal for every space

- Ideal solution for most entrances and especially smaller entrances
- 75% of the yarn in Coral Duo is ECONYL[®] regenerated solution dyed polyamide
- Unbeatable performance for moisture and dirt removal
- Complies with the highest fire class standard for a textile product: B_{fl}-s1
- Suitable for heavy contract use: wear class 33
- Ideal for interior entrances and circulation areas



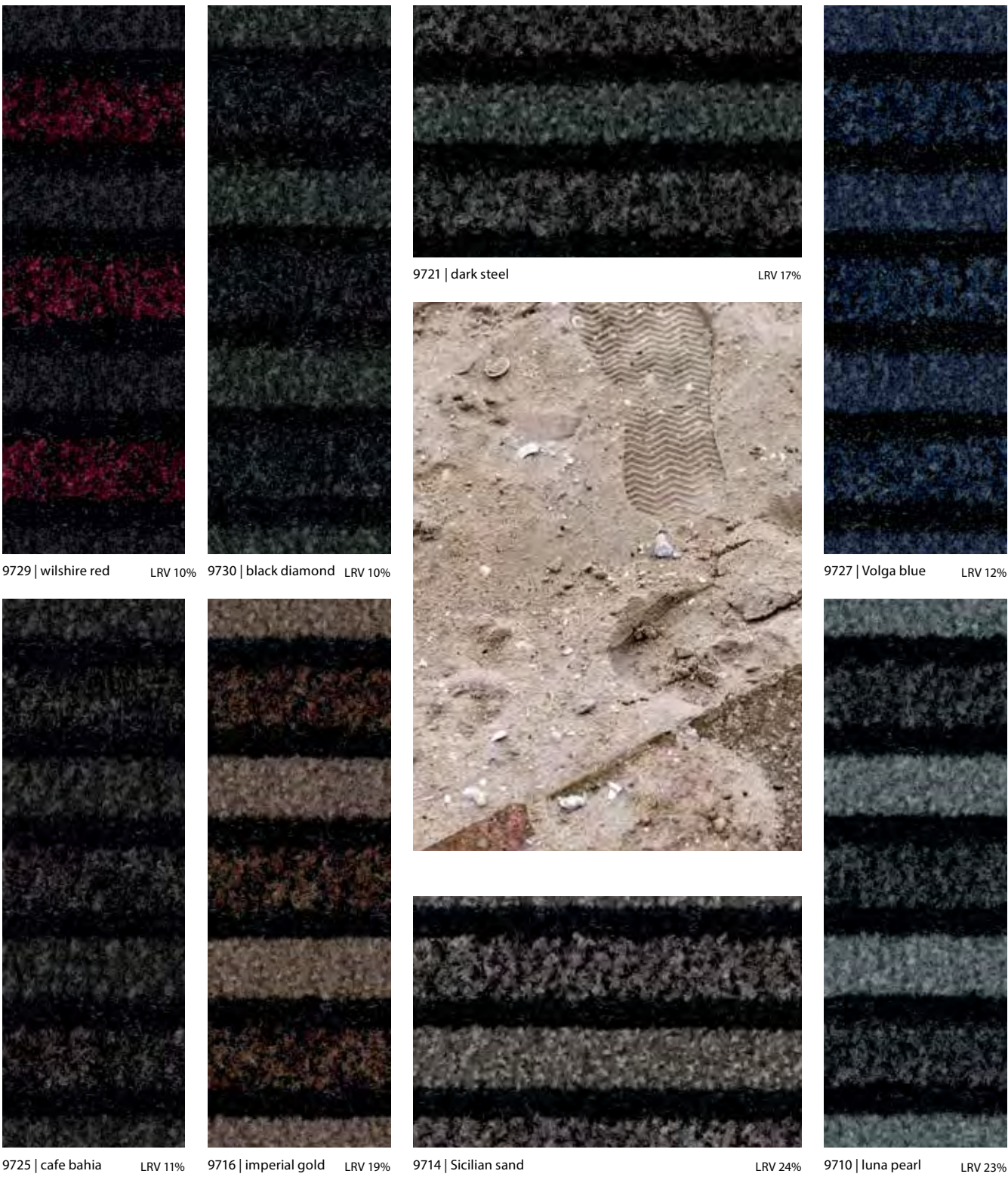
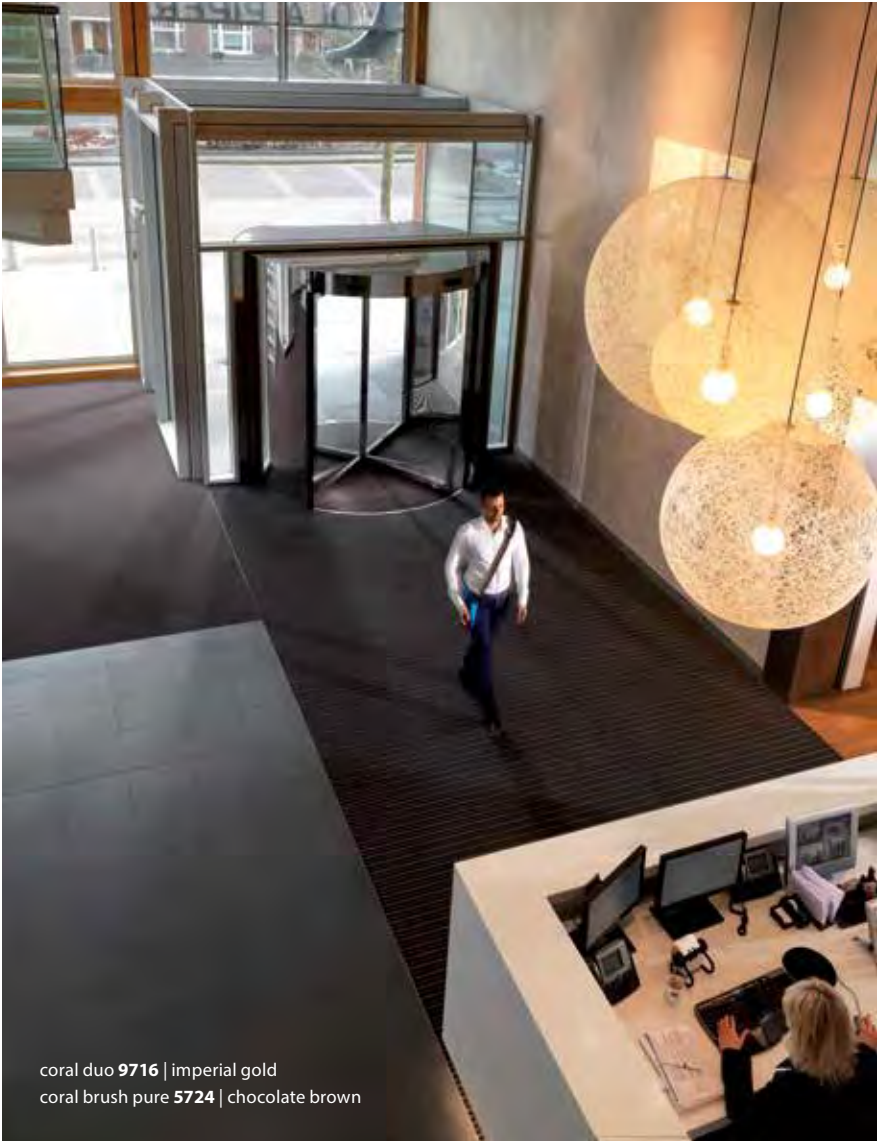
Made with 100% Regenerated Nylon
ECONYL[®]

Coral Duo combines our Coral Brush pure and Coral Classic technologies, reinforced with alternating strips of strong, thick yarns with additional dirt-scraping properties. As a result, Coral Duo outperforms all comparable textile solutions in the first few metres, making it ideal even for short entrances.



A short entrance and clean interior floor coverings don't go together, do they? Well, yes, they can. Coral Duo is the ideal solution when you need maximum dirt removal, unrivalled dirt retention and exceptional moisture absorption all in 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. Which makes it even the best choice for smaller entrances. Featuring a ribbed construction. Coral Duo is not only functional, it also provides an aesthetically pleasing aspect to any entrance area and is easy to combine with our Coral Brush pure and Coral Classic collections.



The great all-rounder

- Functional all-rounder that removes both moisture and dirt
- 100% of the yarn in Coral Brush Pure is ECONYL[®] regenerated solution dyed polyamide
- Appealing solid colours complement resilient or carpet tile interior floor finishes
- Complies with the highest fire class standard for a textile product: B_{fl}-s1
- Suitable for heavy contract use: wear class 33
- Ideal for interior entrances and circulation areas



Made with 100% Regenerated Nylon
ECONYL[®]

Coral Brush pure is made of three yarns: capillary yarns to absorb moisture; active dirt-scraping yarns; and heavy duty textured yarns that can withstand the heaviest pounding.



Coral Brush pure 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.

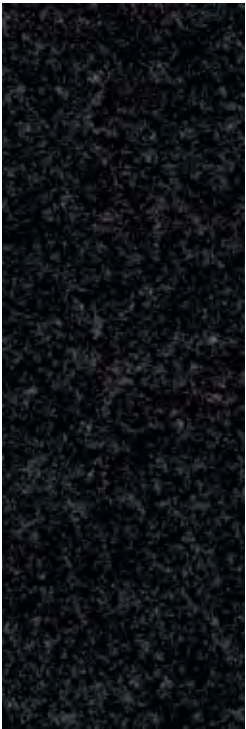
Coral Brush pure is made of three types of yarn, each offering a different benefit, while the space between the yarns serves to hide dirt, which ensures a clean appearance for longer. Coral Brush pure offers a choice of 12 colourways that can be used with each other or in combination with other Coral ranges.



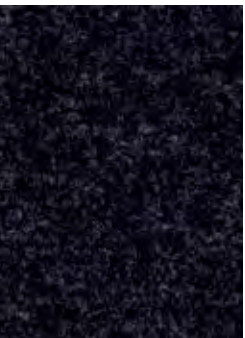
5719 | bossanova purple
marmoleum fresco 3866 | eternity



5730 | vulcan black LRV 10%



5720 | gondola black LRV 11%



5719 | bossanova purple LRV 13%



5724 | chocolate brown LRV 16%



5721 | hurricane grey LRV 19%



5714 | shark grey LRV 26%



5710 | asphalt grey LRV 13%



5727 | stratos blue LRV 13%



5729 | sangria red LRV 10%



5723 | cardinal red LRV 18%



5715 | charcoal grey LRV 14%



5726 | jambalaya brown LRV 16%

Unique design with exceptional performance

- Contemporary linear design in a striking range of colourways
- 100% of the yarn in Coral Brush blend is ECONYL[®] regenerated solution dyed polyamide
- Good all-rounder that removes both moisture and dirt
- Complies with the highest fire class standard for a textile product: B_{fl}-s1
- Suitable for heavy contract use: wear class 33
- Ideal for interior entrances and circulation areas

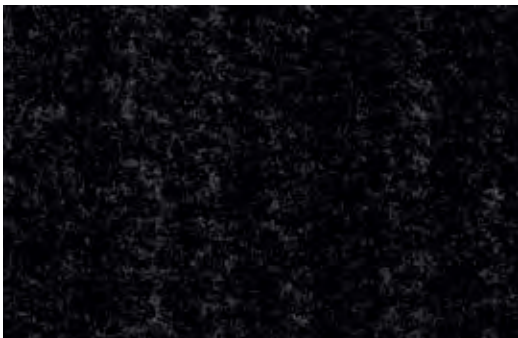

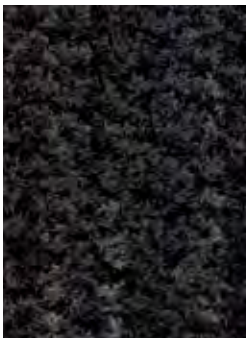

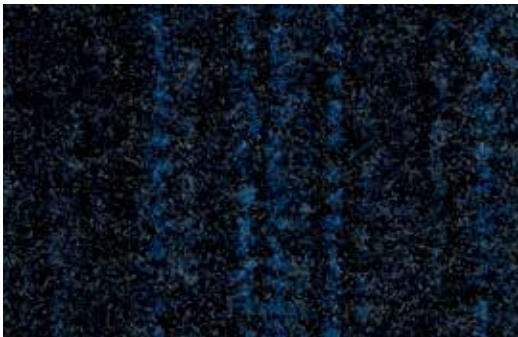





Coral Brush blend absorbs moisture and removes dry soiling. Factor in a strong linear design that ensures it complements the look and feel of any space and you have a floor covering that is perfect for all types of entrance.

Coral Brush blend's all-round excellent performance is the result of combining three yarns that each offer a different benefit. Capillary yarns provide a large surface area for absorbing moisture; active dirt-scraping yarns quickly brush off soil; heavy-duty textured yarns ensure Coral Brush blend retains its good looks and can withstand heavy foot and wheeled traffic.

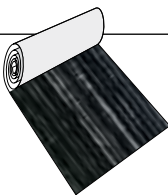


Coral Brush blend's three yarns not only clean and absorb, they hide dirt too, ensuring your entrance looks clean for longer. Coral Brush blend is available in a choice of nine blended colourways.



			
5750 aztec black LRV 11%	5741 cannon grey LRV 16%	5745 woodsmoke grey LRV 16%	
			
5747 zodiac blue LRV 9%	5742 atoll blue LRV 18%		
			
5749 voodoo purple LRV 12%	5766 cognac brown LRV 13%	5744 coir brown LRV 28%	

Where design meets the environment



- 100% of the yarn in Coral Welcome is ECONYL[®] regenerated solution dyed polyamide
- Primary backing made from recycled PET bottles
- BREEAM A/A+ environmental rating across all sectors
- Prevents moisture and dirt being tracked onto interior surfaces
- On-trend linear aesthetic which makes a design statement in any entrance
- Complies with the highest fire class standard for a textile product: B_{fl}-s1
- Suitable for heavy contract use: wear class 33
- Ideal for interior entrances and circulation areas



Made with 100% Regenerated Nylon
ECONYL[®]

Coral Welcome is made with Econyl[®] 100%-regenerated recycled yarns, and the primary backing from recycled PET bottles. Forbo works closely with suppliers who share our determination to make ever-greater use of regenerated and recycled materials.



With its contemporary linear design and rich, deep pile, Coral Welcome packs the style and aesthetic appeal of a luxury carpet. It makes an unequivocal statement in any entrance area.

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[®]

100%-regenerated yarn, which is made from regenerated industrial and post-consumer waste. Abandoned fishing nets are one of the sources. Taking the environmental aspect even further, the primary backing is made from recycled PET bottles, and the covering is made in a plant that is close to achieving the Zero Landfill standard for waste production.



3209 | purple rain
allura form a62450 | stone grey



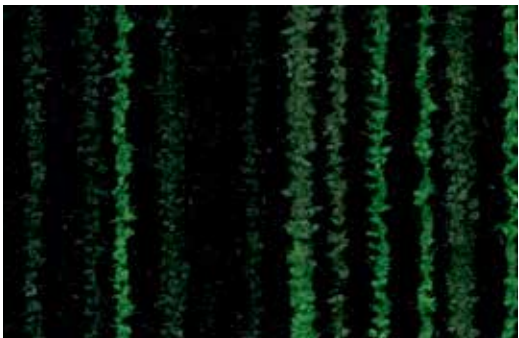
3210 | black magic

LRV 14%



3201 | silver shadow

LRV 20%



3208 | matrix

LRV 17%



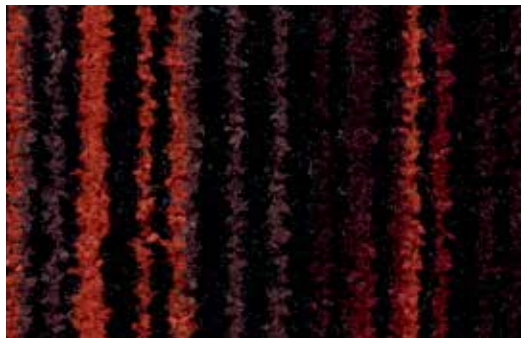
3204 | chocolate

LRV 10%



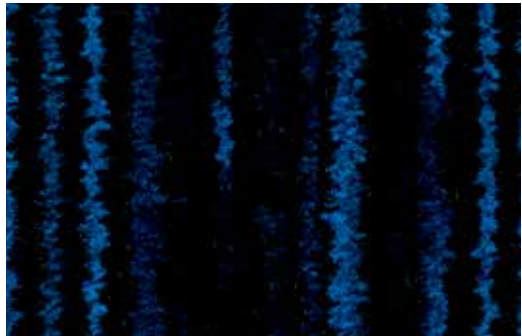
3209 | purple rain

LRV 11%



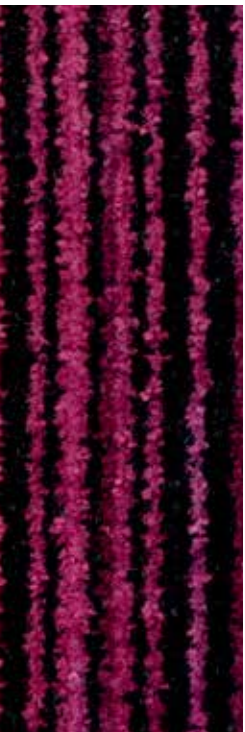
3206 | volcano

LRV 11%



3207 | blue velvet

LRV 10%



3203 | last sunset

LRV 12%

The ultimate moisture absorber

- Maximum moisture absorption and effective dirt removal
- Choice of practical colourways
- Complies with the highest fire class standard for a textile product: B_{fl}-s1
- Suitable for heavy contract use: wear class 33
- Ideal for interior entrances and circulation areas
- Available in sheet and 50 x 50cm tiles

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 interior floor coverings stay cleaner, longer. Second, resilient floors like vinyl, linoleum, wood and concrete are less likely to become slippery and dangerous.

Independent tests by TÜV Rheinland have shown that Coral Classic will maintain its performance – and appearance – for years to come thanks to the use of solution dyed yarns that guarantee its appearance throughout its lifespan.

Modularity

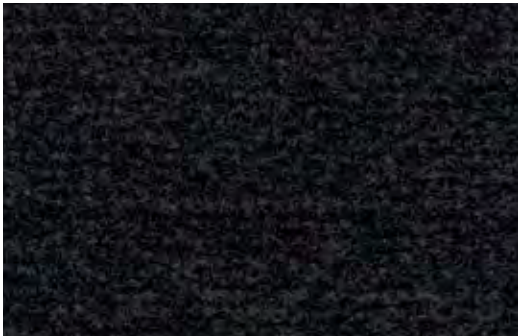
The Coral Classic range is also available in tile format for increased flexibility. The tiles can be laid broadloom or tessellated.



Walking just two steps is enough for Coral Classic to absorb up to half the water that would otherwise be carried inside on the soles of someone's shoes.



4750 | warm black



4750 | warm black

LRV 25%



4730 | raven black

LRV 17%



4701 | anthracite

LRV 30%



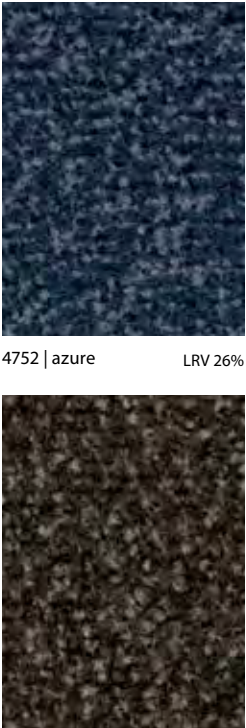
4721 | mouse grey

LRV 23%



4727 | navy blue

LRV 18%



4744 | espresso

LRV 23%



4751 | silver grey

LRV 35%



4764 | taupe

LRV 31%



4756 | bronzetone

LRV 16%



4766 | spice brown

LRV 30%



4754 | ocher

LRV 32%

The ultimate dirt and grit remover

- Contains granulates for maximum slip resistance
- Cleans off the worst dirt before it can get inside
- Ideal for exterior and interior entrances

Want to know the secret to keeping your interior clean even when it looks like a hopeless cause? Don't start 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. And when the going is really tough, there's Coral Grip HD, whose patented embossed design and durable, pliable vinyl filaments ensure a highly effective dirt-scraping action. Both versions of Coral Grip are available in six solid colours.




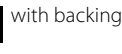
Coral Grip not only cleans, it provides a secure footing, too. The addition of granulated PVC chips creates a slip resistant surface that will help prevent people slipping and sliding even on a ramp.



6123 | wine HD



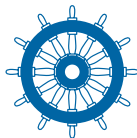
61xx = HD
69xx = MD

open structure  with backing 

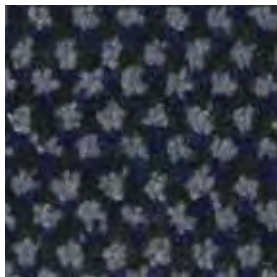
The reassurance of the IMO wheel mark

Coral T32 marine

This specialised product meets all the fire safety standards set by the International Maritime Organisation (IMO) for products used in seagoing vessels. Yarn and backing systems have been developed to meet the stringent smoke toxicity and low flame spread standards required to achieve the IMO 'Wheelmark'. As a result T32 Marine can be used with confidence in cruise liners, passenger ferries, charter boats and other seagoing vessels, in addition to offshore facilities where the 'Wheelmark' classification is required.



IMO Certificate No. 164.117/1121/WCL
MED0170QA



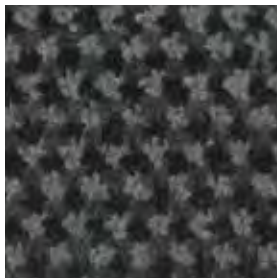
french blue



ruby



brown



steel



jade



graphite



french blue

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Make a lasting impression

Your entrance flooring system can be enhanced by using Forbo's Coral Logo, expressing your logo or identity. For this we offer:

- Highest functional performance on the market
- Unlimited possibilities
- Hassle free order process
- Guarantees the best investment for any building
- Available in standard and custom dimensions



Printed logo mat

- Excellent visual quality and bright colouring
- Best to use for complicated designs with multiple colours
- 42 standard colours available
- Pantone and RAL colours can be matched

Where other logo mats tend to fade and get dirty very quickly, a Coral logo mat will retain its looks and continue to impress for many years because it has all the qualities and performance characteristics of our standard Forbo Coral products. The secret of its success is in the construction. Unlike many other bespoke mats, Coral logo is produced with high quality matt yarns which prevent tracking and soiling.

Choose your product

Depending on the colours and designs required to suit your corporate identity, you can make a choice between a printed or an inset logo mat. Please contact your local customer service department to find out how easy it is to personalise your entrance or promotion area.

Inset logo mat

- Best to use for extreme traffic conditions and maximum functional performance.
- Any colour from the standard Forbo Coral collection can be used for the base background and logo colours.
- Easy to combine as inlay in larger Coral installations.



Coral technical specifications

coral[®] grip

coral[®] logo

coral[®] duo

coral[®] brush pure

coral[®] brush blend

coral[®] welcome












coral[®] classic

coral[®] T32 marine

coral[®] grip coral[®] logo










Technical specifications





	Coral grip HD (61xx)		Coral grip MD (69xx)		Coral logo	
	Total thickness ISO 1765	With backing: approx 17 mm Open structure: approx 16mm	With backing: approx 12 mm Open structure: approx 11mm		Approx 8 mm	
	Wear classification EN1307	33, commercial heavy	33, commercial heavy		33, commercial heavy	
	Colours	6	6		logo series 43xx	
		RollsMats	RollsMats		Standard mat sizes (inc. edges)	Special mat sizes
	Available sizes (all sizes are approx.)	122 cm, with backing 127 cm60 x 90 cm	122 cm, with backing 127 cm60 x 90 cm		55 x 90 cm105 x 155 cm105 x 300 cm155 x 205 cm155 x 300 cm205 x 205 cm205 x 300 cm	up to 200cm wide and 600cm long (excluding edges)
	Roll sizes with 2.5cm edge each side	Pattern repeat front/back: 13 cmMats only with open structure	Mats only with open structure			
	Mat sizes with 2.5cm edge all sides	Pattern repeat left/right: 11 cm				
Roll lengths approx. 10 m		Roll lengths approx. 15 m				
	Suitability for castor chairs EN 985	No	No		Castor chair continuous use r=2.5	
	Colour fastness ratings:					
	Light - EN ISO 105/B02	7	7-8		7	
	Water - EN ISO 105/E01	5	5		4-5	
	Shampoo - BS 1006	5	5			
	Organic solvents - EN ISO 105/X05	4-5	4-5			
	Antistatic properties - ISO 10965	Open: hor. 1x10 ¹⁰ Ω, vert. 3x10 ¹⁰ Ω With backing: hor. 4x10 ¹⁰ Ω, vert. 1x10 ¹⁰ Ω	Open: hor. 3x10 ¹⁰ Ω, vert. 6x10 ⁹ Ω With backing: hor. 4x10 ¹⁰ Ω, vert. 1x10 ¹⁰ Ω			
	Manufacturing method/type	Non Woven scraping mat with embossing	Non Woven scraping mat		Tufted, 5/32" cut-pile	
	Designs	3-dimensional interconnected monofilaments in two colours	3-dimensional interconnected monofilaments		Hi-definition custom print	
	Pile material	100% vinyl Solution dyed	100% vinyl Solution dyed		100% polyamide	
	Tuft base				Non-woven polyester	
	Backing	Open structure or with EVERFORT® vinyl backing	Open structure or with EVERFORT® vinyl backing		EVERFORT® vinyl	
	Total weight ISO 8543	With backing: approx 8200 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 4000 gram/m ²	
	Pile installation weight ISO 8543				Approx 1200 gram/m ²	
	Pile thickness ISO 1766				Approx 5 mm	
	Pile density ISO 8543				0.186 gram/cm ³	
	Number of tufts				Approx 91500/m ²	
	Comfort class EN 1307				LC3	
	Suitability for stairs EN 1963	Stairs continuous use (open structure)	No			
CE Coral grip HD, grip MD and logo products meet the demands set by EN 14041						
	Fire behaviour EN 13501-1	with backing B _f s1	with backing B _f s1		C _f s1	
	Slip resistance EN 13893	μ0.78	μ0.82		DS	

Technical specifications













			Coral Duo (97xx)		Coral Duo FR (97xx)	
	Total thickness	ISO 1765	Approx 9 mm		Approx 9 mm	
	Wear classification	EN1307	33, commercial heavy		33, commercial heavy	
	Colours		8		8	
 	Available sizes (all sizes are approx.)		Rolls	Mats	Rolls	Mats
	Roll sizes with 2.5cm edge each side		205 cm	No mats	190 cm (FR)	No mats
	Mat sizes with 2.5cm edges all sides		Roll lengths approx 27.5m		Roll lengths approx 27.5m	
	Suitability for castor chairs	EN 985	Castor chair continuous use r=3.7		Castor chair continuous use r=3.7	
Colour fastness ratings:						
	Light	EN ISO 105/B02	>5		>5	
	Water	EN ISO 105/E01	4-5		4-5	
	Shampoo	BS 1006	4-5		4-5	
	Organic solvents	EN ISO 105/X05	4-5		4-5	
	Antistatic properties	ISO 10965	hor. 3.2 x 10 ¹⁰ Ω, vert. 2.9 x 9 ⁹ Ω		hor. 4.2 x 10 ⁸ Ω, vert. 3.0 x 10 ⁸ Ω	
	Manufacturing method/type		Tufted, 5/32" cut-pile		Tufted, 5/32" cut-pile	
	Designs		ribbed		ribbed	
	Pile material		100% polyamide, where 75% is regenerated Econyl®		100% polyamide, where 75% is regenerated Econyl®	
	Tuft base		Non-woven polyester		Non-woven polyester	
	Backing		EVERFORT® vinyl		FR-latex	
	Total weight	ISO 8543	Approx 3200 gram/m²		Approx 2300 gram/m²	
	Pile installation weight	ISO 8543	Approx 670 gram/m²		Approx 670 gram/m²	
	Pile thickness	ISO 1766	Approx 6 mm		Approx 6 mm	
	Pile density	ISO 8543	0.095 gram/cm³		0.075 gram/cm³	
	Number of tufts	ISO 1763	Approx 32,000/m²		Approx 32,000/m²	
	Suitability for stairs	EN 1963	No		Stairs intensive use	
	Comfort class	EN 1307	LC2		LC2	

CE Coral duo and duo FR products meet the demands set by EN 14041





	Fire behaviour	EN 13501-1	B _{f1} s1	B _{f1} s1
	Slip resistance	EN 13893	DS	DS
	Personal charging	ISO 6356	< 2 kV	< 2 kV
	Heat transmission resistance	ISO 8302	0.131 m² K/W	–

Technical specifications












			Coral Brush pure/blend (57xx)		Coral Brush pure/blend FR (57xx)	
	Total thickness	ISO 1765	Approx. 9 mm		Approx. 9 mm	
	Wear classification	EN1307	33, commercial heavy		33, commercial heavy	
	Colours		12 pure, 9 blend		12 pure, 9 blend	
 	Available sizes (all sizes are approx.)		Rolls	Mats	Rolls	Mats
	Roll sizes with 2.5cm edge each side		105cm	55 x 90 cm	185cm (FR)	No mats
	Rolls FR have no edges		155cm	90 x 155 cm	Roll lengths approx. 27.5m	
	Mat sizes with 2.5cm edge all sides		205cm	135 x 205 cm		
			Roll lengths approx. 27.5m	205 x 300 cm		
	Suitability for castor chairs	EN 985	Castor chair continuous use r=2.5		Castor chair continuous use r=2.5	
	Colour fastness ratings:					
	Light	EN ISO 105/B02	>5		>5	
	Water	EN ISO 105/E01	4-5		4-5	
	Shampoo	BS 1006	4-5		4-5	
	Organic solvents	EN ISO 105/X05	4-5		4-5	
	Antistatic properties	ISO 10965	hor. 1.1 x 10 ¹¹ Ω, vert. 3.1 x 10 ¹⁰ Ω		hor. 1.8 x 10 ¹⁰ Ω, vert. 6.1 x 10 ⁹ Ω	
Manufacturing method/type			Tufted, 5/32" cut-pile		Tufted, 5/32" cut-pile	
Designs			Plain designed/coloured blend		Plain designed/ coloured blend	
Pile material			Econyl® 100% regenerated polyamide-BCF		Econyl® 100% regenerated polyamide-BCF	
Tuft base			Non-woven polyester		Non-woven polyester	
Backing			EVERFORT vinyl		FR-latex	
	Total weight	ISO 8543	Approx. 3400 gram/m²		Approx. 3400 gram/m²	
	Pile installation weight	ISO 8543	Approx. 920 gram/m²		Approx. 920 gram/m²	
	Pile thickness	ISO 1766	Approx. 7 mm		Approx. 6.5 mm	
	Pile density	ISO 8543	0.105 gram/cm³		0.118 gram/cm³	
	Number of tufts	ISO 1763	Approx. 58,000/m²		Approx. 63,000/m²	
	Suitability for stairs	EN 1963	No		Stairs intensive use	
	Comfort class	EN 1307	LC3		LC3	

CE All Coral products meet the demands set by EN 14041

	Fire behaviour	EN 13501-1	B _{fi} -s1	B _{fi} -s1
	Slip resistance	EN 13893	DS	DS
	Personal charging	ISO 6356	< 2 kV	< 2 kV
	Heat transmission resistance	ISO 8302	0.118 m² K/W	0.093 m² K/W

Technical specifications



			Coral welcome (32xx)		Coral welcome FR (32xx)	
	Total thickness	ISO 1765	Approx 8.5 mm		Approx 7.5 mm	
	Wear classification	EN1307	33, commercial heavy		33, commercial heavy	
	Colours		8		8	
 	Available sizes (all sizes are approx.)		Rolls	Mats	Rolls	Mats
	Roll sizes with 2.5cm edge each side		205 cm	105 x 155 cm	190 cm (FR)	No mats
	Mat sizes with 2.5cm edges all sides		Roll lengths approx 27.5m		Roll lengths approx 27.5m	
	Suitability for castor chairs	EN 985	Castor chair continuous use r=2.8		Castor chair continuous use r=2.8	
Colour fastness ratings:						
	Light	EN ISO 105/B02	>5		>5	
	Water	EN ISO 105/E01	4-5		4-5	
	Shampoo	BS 1006	4-5		4-5	
	Organic solvents	EN ISO 105/X05	5		5	
	Antistatic properties	ISO 10965	hor. 3 x 10 ¹⁰ Ω, vert. 2.2 x 10 ⁹ Ω		hor. 3 x 10 ¹⁰ Ω, vert. 2.2 x 10 ⁹ Ω	
	Manufacturing method/type		Tufted, 5/32" cut-pile		Tufted, 5/32" cut-pile	
	Designs		Multi-coloured linear		Multi-coloured linear	
	Pile material		100% regenerated Econyl® polyamide		100% regenerated Econyl® polyamide	
	Tuft base		100% recycled non-woven PET/Econyl®		100% recycled non-woven PET/Econyl®	
	Backing		EVERFORT® vinyl		FR-latex	
	Total weight	ISO 8543	Approx 3200 gram/m ²		Approx 2500 gram/m ²	
	Pile installation weight	ISO 8543	Approx 750 gram/m ²		Approx 750 gram/m ²	
	Pile thickness	ISO 1766	Approx 5.7 mm		Approx 5.7 mm	
	Pile density	ISO 8543	0.107 gram/cm ³		0.107 gram/cm ³	
	Number of tufts	ISO 1763	Approx 75,000/m ²		Approx 75,000/m ²	
	Suitability for stairs	EN 1963	No		No	
	Comfort class	EN 1307	LC2		LC2	

CE Coral duo and duo FR products meet the demands set by EN 14041

	Fire behaviour	EN 13501-1	B _f ≤1	B _f ≤1
	Slip resistance	EN 13893	DS	DS
	Personal charging	ISO 6356	< 2 kV	< 2 kV
	Heat transmission resistance	ISO 8302	–	–

Technical specifications

















			Coral classic (47xx)		Coral classic Tiles (47xx)		Coral classic FR (47xx)	
	Total thickness	ISO 1765	Approx 10 mm		Approx 10.5 mm		Approx 8.5 mm	
	Wear classification	EN1307	33, commercial heavy		33, commercial heavy		33, commercial heavy	
	Colours		12		12		12	
	Available sizes (all sizes are approx.) Roll sizes with 2.5cm edge each side Rolls FR have no edges Mat sizes with 2.5cm edge all sides		Rolls	Mats	Tiles		Rolls	Mats
			105 cm	55 x 90 cm	50 x 50 cm	185cm (FR)	No mats	
			155 cm	90 x 155 cm		Roll lengths approx 27.5m		
			205 cm	135 x 205 cm				
			Roll lengths approx 27.5m	205 x 300cm				
	Suitability for castor chairs	EN 985	Castor chair continuous use r=2.8		Castor chair continuous use r=2.8		Castor chair continuous use r=2.8	
	Colour fastness ratings:							
	Light	EN ISO 105/B02	7-8		7-8		7-8	
	Water	EN ISO 105/E01	4-5		4-5		4-5	
	Shampoo	BS 1006	4-5		4-5		4-5	
	Organic solvents	EN ISO 105/X05	4-5		4-5		4-5	
	Antistatic properties	ISO 10965	Approx 10 ¹⁰ Ω		Approx 10 ¹⁰ Ω		Approx 10 ¹⁰ Ω	
	Manufacturing method/type		Tufted, 5/32" cut-pile		Tufted, 5/32" cut-pile		Tufted, 5/32" cut-pile	
	Designs		Multi coloured designed/coloured		Multi coloured designed/coloured		Multi coloured designed/coloured	
	Pile material		100% polyamide-BCF Xentrys, solution dyed		100% polyamide-BCF Xentrys, solution dyed		100% polyamide-BCF Xentrys, solution dyed	
Tuft base		Non-woven polyester		Non-woven polyester		Non-woven polyester		
Backing		EVERFORT® vinyl		Bitumen tile backing		FR-latex		
	Total weight	ISO 8543	Approx 3400 gram/m²		Approx 5000 gram/m²		Approx 3400 gram/m²	
	Pile installation weight	ISO 8543	Approx 870 gram/m²		Approx 870 gram/m²		Approx 900 gram/m²	
	Pile thickness	ISO 1766	Approx 7 mm		Approx 7 mm		Approx 6 mm	
	Pile density	ISO 8543	0.100 gram/cm³		0.109 gram/cm³		0.141 gram/cm³	
	Number of tufts	ISO 1763	Approx 61,500/m²		Approx 61,500/m²		Approx 61,500/m²	
	Suitability for stairs	EN 1963	No		No		Stairs continuous use	
	Comfort class	EN 1307	LC3		LC3		LC3	

CE Coral classic and classic FR products meet the demands set by EN 14041

	Fire behaviour	EN 13501-1	B _f ≤1	B _f ≤1	B _f ≤1
	Slip resistance	EN 13893	DS	DS	DS
	Personal charging	ISO 6356	< 2 kV	< 2 kV	< 2 kV
	Heat transmission resistance	ISO 8302	0.15 m² K/W	0.14 m² K/W	0.13 m² K/W

Technical specifications

Coral T32 Marine		
	 Total thickness	ISO 1765 Approx 7 mm
	 Wear classification	EN1307 class 4
  (all sizes are approx.)	Available sizes	Rolls Mats
		Special No mats
		Roll lengths approx 25m
	Suitability for castor chairs	EN 985 Castor chair continuous use r=2.8
	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	
	Designs	Mottled
	Pile material	60% Wool / 40% Nylon plus scraper fibre
	Tuft base	Non-woven polyester
	Backing	TFR™ Flame retardant latex
	Total weight	ISO 8543 Approx 2.595 gram/m²
	Pile installation weight	ISO 8543 Approx. 1.125 gram/m²
	Pile thickness	ISO 1766 Approx 6 mm
	Pile density	ISO 8543 0.160 gram/cm³
	Number of tufts	ISO 1763 Approx 104,016/m²
	Suitability for stairs	EN 1963 Stairs continuous use
	Comfort class	EN 1307 LC3

Coral T32 marine product meets the demands set by EN 14041		
	Fire behaviour	EN 13501-1 *
	Slip resistance	EN 13893 DS
	Personal charging	ISO 6356 < 2.5 kV
	Heat transmission resistance	ISO 8302 0.12 m² K/W

* Passes the standards set by the International Maritime Organisation (IMO) fire test procedures for use in vessels at sea.
- IMO Resolution A 653 (16)
- Smoke and Toxicity Test - IMO Resolution MSC 61(67) Annex 1 Part 2 and Annex 2
- Surface Flammability Test – IMO Resolution MSC 61(67) Annex 1 Part 5 and Annex 2
Safety of Life at Sea (SOLAS) regulations state that carpets in muster areas and escape routes meet smoke, toxicity and low flame spread standards.

Adhesive guide

As a total flooring solutions provider, Forbo offers a collection of products to complement the installation finishing and maintenance of all our floor coverings and entrance matting systems. An optimal assortment of adhesives, levelling compounds, primers, welding rods, subfloors, and installation tools can be offered. To give the floor the perfect finishing touch we even provide a collection of skirtings, profiles and stair nosings.

Recommended Adhesives		
Coral grip For Coral grip with an open structure, we recommend 140 Euromix PU. For Coral grip with an EVERFORT® vinyl backing, we recommend 540 Eurosafe Special.	Coral duo, brush pure, brush blend, welcome, classic and Coral logo Our recommended adhesive for Coral Classic, Brush, Duo and Welcome sheet is 540 Eurosafe Special.	Coral classic tiles Coral Classic tiles installed in general traffic areas may be adhered using 542 Eurofix Tack Plus tackifier adhesive to allow for ease of removal or replacement if necessary. In heavy traffic areas, areas subject to wheeled traffic and areas where heavy point loading occurs, Coral Classic tiles should be fully adhered using 540 Eurosafe Special.



140 Euromix PU

Multi-purpose release adhesive for cushion vinyl and PVC backed carpet

- Solvent free
- Non-flammable
- Permanent high adhesion
- Easy removal
- Favourable spreading capacity
- Roller-castor-chair resistant

Package: 10kg
Spreading capacity: 100-200 g/m²



540 Eurosafe Special

Solvent free floor covering adhesive with a high initial grab

- Solvent-free
- Quick-bonding
- High initial tack and bond strength
- Castor-resistant
- Favourable spreading capacity

Package: 10 litre
Useage: 3.0 – 3.5m²/litre



542 Eurofix Tack Plus

Solvent-free surface tackifier adhesive for the non-skid installation and removal of carpet tiles on smooth sub floors. Easy to apply and excellent adhesion properties. Odor neutral.

- Very low VOC-emission
- Emicode EC1
- Solvent-free
- Non-flammable
- Easy removal
- Favourable spreading capacity

Package: 10kg
Spreading capacity: 50-150 g/m²

Please contact customer service for more information

Nuway entrance matting system

Nuway entrance systems will, by their nature and location, be one of the most ‘abused’ of all floor coverings within a building. Thorough and regular cleaning is essential to ensure optimum performance and to extend the lifespan of the products. The optimum frequency of cleaning is determined by the traffic volume and the level of soiling.

Cleaning after installation



Vacuum clean the matting using an upright vacuum cleaner with a powered brush

Regular cleaning



- Vacuum clean the matting using an upright vacuum cleaner with a powered brush
- Remove stains or spills locally, using clean warm water or a proprietary carpet spot cleaner suitable for polyamide floor coverings. Ensure all detergent residues are thoroughly rinsed with clean water
- Dry extraction: this method uses a moist compound that is impregnated with water, detergent and safe-to-use solvents
- Cylindrical brush extraction: this method uses machines with counter-rotating brushes, but this time a proprietary carpet cleaning solution is brushed into the pile and the dirty water returned straight to the machine. Ensure all detergent residues are thoroughly rinsed with clean water

For Connect mats with open construction and all Cable mats, roll up the matting and brush the matwell clean

Scheduled maintenance



- At intervals, the matting should be treated with a deeper cleaning process called “spray extraction”. This removes soiling from the base of the pile and restores the surface texture to optimise its “clean-off” performance. Factors like the type and amount of traffic, as well as the effectiveness of “Daily cleaning” and “Regular cleaning” will govern how often this deep cleaning is needed.
- This process can be carried out using either a spray extraction machine or a 3-in-1 spray and brush machine. Ensure all detergent residues are thoroughly rinsed with clean water.

Note: Removal of chewing gum is best achieved by the use of gum removal gels.

Note: Use hot water extraction machine at a temperature not exceeding 50°C

Forbo FloorCare method

Coral grip

Coral grip will, by its nature and location, be one of the most ‘abused’ of all floor coverings within a building. Thorough and regular cleaning is essential to ensure optimum performance and to extend the lifespan of the products. The optimum frequency of cleaning is determined by the traffic volume and the level of soiling.

Cleaning after installation



Vacuum clean the floor using an upright vacuum cleaner with a powered brush

Regular cleaning



- Vacuum clean the floor using an upright vacuum cleaner with a powered brush
- Remove stains or spills locally, using clean warm water



Occasional maintenance



When required for loose laid product, flush and brush away dirt as follows:

- Remove the matting from the matwell*
- Use plenty of clean water to clean the matting
- Use a hose, or a spray-extraction machine
- Use a hard brush to remove stubborn dirt
- Clean the matwell and reposition the matting



*If the matting is fixed to the floor, use a hot water extraction machine at a temperature not exceeding 60°C

Note: Removal of chewing gum is best achieved by the use of gum removal gels.

Forbo FloorCare method

Coral brush blend, brush pure, classic, duo, T32 marine, welcome and logo

Coral entrance mats will, by their nature and location, be one of the most ‘abused’ of all floor coverings within a building. Thorough and regular cleaning is essential to ensure optimum performance and to extend the lifespan of the products. The optimal frequency of cleaning is determined by the traffic volume and the level of soiling.

Daily cleaning



It is essential to remove dry soiling at least once a day. The most effective method is to use vacuum cleaners that incorporate a mechanically driven rotating brush or suction-only machines with a rotating brush attachment. Vacuum slowly and in all directions across the matting, to get the full effect of the combined suction and brushing.

Regular cleaning



Spot cleaning

Gently clear away the spillage from the surface with a blunt scraper. Treat what is left of the spillage with a proprietary carpet spot cleaner (for polyamide pile floor coverings) and rinse with clean water. Allow to dry. High traffic areas need additional attention, to remove concentrated surface soiling and reduce the appearance of “traffic lanes”.

- Dry extraction: this method uses a moist compound that is impregnated with water, detergent and safe-to-use solvents.
- Cylindrical brush extraction: this method uses machines with counter-rotating brushes, but this time a proprietary carpet cleaning solution is brushed into the pile and the dirty water returned straight to the machine. Ensure all detergent residues are removed by rinsing thoroughly with clean water.

Scheduled maintenance



- At intervals, the matting should be treated with a deeper cleaning process called “spray extraction”. This removes soiling from the base of the pile and restores the surface texture to optimise its “clean-off” performance. Factors like the type and amount of traffic, as well as the effectiveness of “Daily cleaning” and “Regular cleaning” will govern how often this deep cleaning is needed.
- This process can be carried out using either a spray extraction machine or a 3-in-1 spray and brush machine. When wet cleaning is not possible a powder cleaning is the best solution. Ensure all detergent residues are thoroughly rinsed with clean water.

Note: Use hot water extraction machine at a temperature not exceeding 50°C

Note: Removal of chewing gum is best achieved by the use of gum removal gels.

Design service



Plan design for Loughborough University, voted 'Installation of the Year' 2011 by a panel of experts.

Plan design

Our in-house design team at Forbo can help bring your ideas to life with their free Plan Design Service. Whether you are taking inspiration from one particular product which needs to be carried through the plan, or whether you simply need to see your scheme in the flesh, we can create plan boards of your design complete with product samples. For areas that have specific requirements such as safety flooring or acoustic flooring, our team can offer help and advice on the best products to meet your needs, all designed to work with your visualisation.

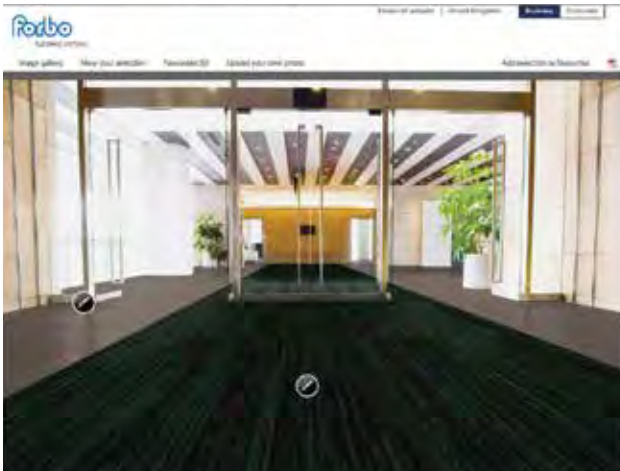
For more information on this free service please contact our Design department on 01772 332 620.

Forbo room planner

Alternatively, our brand new room planner on the web site allows you to drop products from across our entire portfolio into a selection of room shots, giving you the freedom to visualise how your scheme will look.

Dedicated 'Entrances' section –

This new section is specifically designed to offer settings where our Coral entrance flooring products can be viewed.



For more information, please visit www.forbo-flooring.co.uk/roomplanner

The next step

Having reached this point in the brochure you will have recognised that a great many factors need to be considered when specifying your entrance flooring system. Every system is unique and requirements can vary greatly. However, you will also have seen that Forbo is in a position to offer entrance flooring products which can be used alone or in combination to create stunning entrance areas in every type of building.

If you would like further information on any of the products shown in the preceding pages or would like to discuss any aspect of your entrance flooring project with experts who guide you to the most appropriate solutions to meet your needs, please call our dedicated entrance flooring team.

You can also find further information on our website where you can download the NBS Specification for any of the products in this collection.

If you are interested in attending a CPD presentation that explores the subject of entrance flooring, again, please contact the team.

If you are at the stage where you would like to discuss your project with an experienced contractor specially trained in every aspect of Nuway specification and installation, we would be delighted to put you in touch with an approved FESSI (Forbo Entrance System Specialist Installer) contractor who will be able to visit your site and provide further advice and a detailed quotation.

Please call us on 01773 740 688 for more information.



The information in this brochure is correct at the time of going to press. Forbo Flooring UK Limited reserves the right to make changes to the specification and colour of its products from time to time and goods supplied may not conform exactly to those shown in this brochure. Collection updates and content may be updated quarterly.

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



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Opening hours:
Monday - Friday 9.00 am - 4.00 pm

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 total flooring solutions for any environment.



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FLOORING SYSTEMS