



BY APPOINTMENT TO H.M. THE QUEEN  
MANUFACTURERS OF FLOORCOVERING  
FORBO FLOORING UK LTD KIRKCALDY



**Rigid engineered** entrance flooring

**nuway**<sup>®</sup>

creating better environments

**forbo**

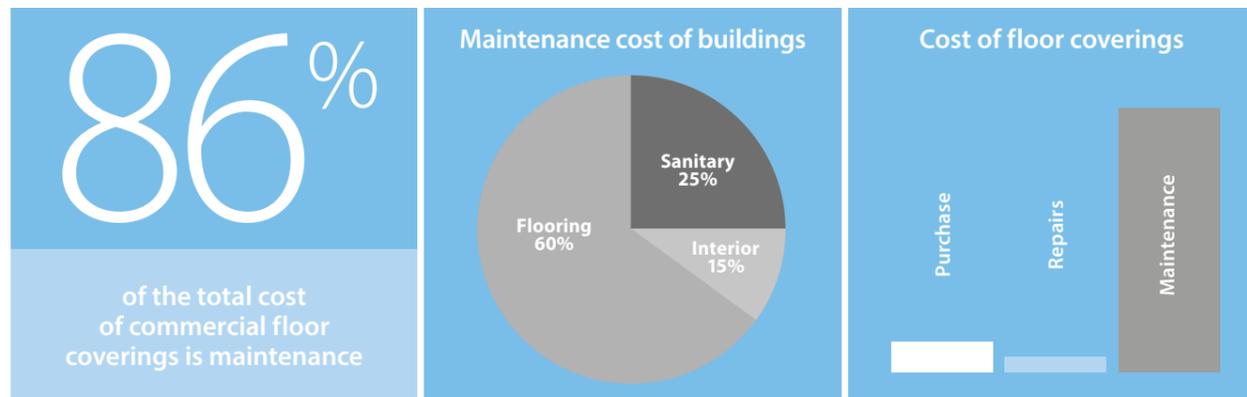
FLOORING SYSTEMS

# ENTRANCE FLOORING SYSTEMS **SAVE MONEY...**



**Research shows that up to 95% 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.

Falls, slips and trips at the same level account for **29% of non fatal injuries to employees per year\***, 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.**

**British Standard 7953: 1999 Part 3.1 Guidance document**

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

**British Standard 8300-2:2018**

Making entrances safe and accessible for all.

**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

**The British Standard states why we need an entrance system and also what its role is.**

**The WELL Building Standard®** also recommends the use of entrance matting as an important tool to reduce pollutants entering the building.

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.

\*Source, Health and Safety Executive – Kinds of accident statistics in GB, 2019

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.

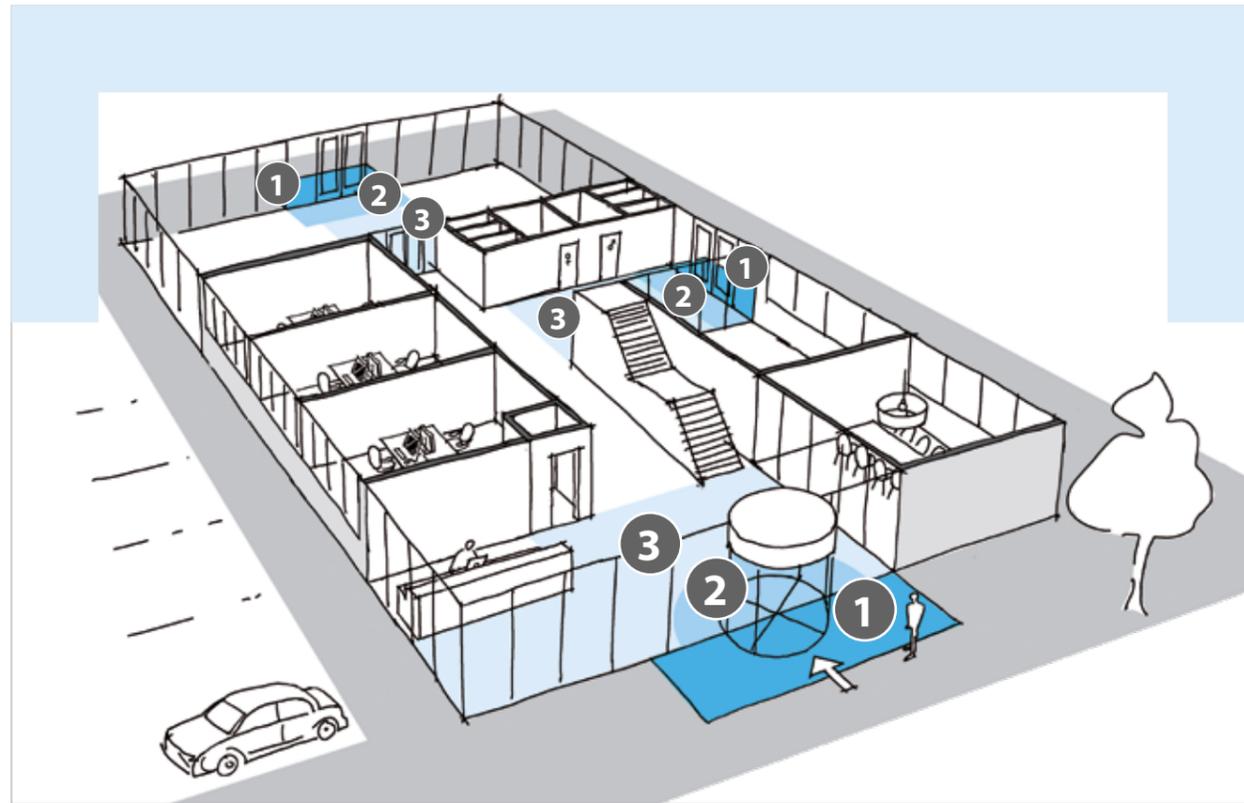
**Equality Act 2010**

**British Standard 8300-2:2018 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.**

# WHICH ENTRANCE FLOORING SYSTEM SHOULD I CHOOSE?



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 terms of 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.

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'

## 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 textile entrance mat to absorb this soiling.

## CONSIDERATIONS

The Coral textile range of entrance flooring products is suitable for use with wheelchairs and perambulatory wheeled traffic. For areas with multiple direction traffic flow, the use of Coral Classic or Coral Brush is recommended, as these Coral ranges are constructed to provide a multi-directional surface pile which limits potential for resistance to movement.

# WHAT DO I NEED TO CONSIDER?

Where to use?	Internal or External?	Reversible	Finishes – Reversible	Removes Moisture	Which should I choose?	Guarantee
			Scraper bars 		Each product in our Nuway and Coral collections offers differing benefits and features.	
			Wiper strips 			
			Finishes – Single sided 			
			Carriers 			
The location, type and level of traffic affects the choice of product.	Matting placed outside will defend against soil and the coarsest of foot-borne dirt.  Inside it will defend against foot-borne moisture and finer dirt particles.	Double sided rigid mats can be reversible, effectively doubling their lifespan.  Please see the table below to see which products are reversible.	There is a wide choice of wiper strips and scraper bars/carriers and inserts to allow our Nuway mats to co-ordinate with all interior finishes.	Removing moisture from the soles of shoes is vital to prevent slipping.	Standard Guarantee is up to 10 years, depending on the product. Installations by FESSIs (Forbo Entrance System Specialist Installer) have an extended guarantee*.	
			Inserts coral®			
			Scraper Bars As the name suggests, they scrape soil from the traffic walking across the mat.			Wiper Strips Prime rubber and polyamide fibre strips remove moisture and fine dirt
			Single sided carriers With crimping action to secure insert.			Single sided inserts Mix and match with Ultragrip rubber, bristle and a wide range of Coral inserts which allow colour coordination with interior finishes.

	Application	moisture removal	dirt removal	Intense traffic	Extreme point loading	Reversible	Guarantee
nuway® tuftiguard	1 + 2	●●●●	●●●●	●●●●		DOUBLE DOUBLE	15 years*
nuway® tuftiguard HD	1 + 2	●●●●	●●●●	●●●●	●	DOUBLE DOUBLE	15 years*
nuway® connect	1** + 2	●●●●	●●●●	●●●●		SINGLE	7 years*
nuway® grid	1 + 2	●●●●	●●●●	●●●●		SINGLE	7 years*
coral® click	2	●●●●	●●●●	●●●●			5 years
coral® click plain	1	●●●●	●●●●	●●●●			5 years
coral® duo	2	●●●●	●●●●	●●●●			5 years
coral® brush	2 + 3	●●●●	●●●●	●●●●			5 years
coral® brush tiles	2 + 3	●●●●	●●●●	●●●●			5 years
coral® welcome	2 + 3	●●●●	●●●●	●●●●			5 years
coral® classic	2 + 3	●●●●	●●●●	●●●●			5 years
coral® classic tiles	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 (7 years for Bamboo, Connect and Grid). For details on our Coral range of textile entrance products, please visit [www.forbo-flooring.co.uk/coral](http://www.forbo-flooring.co.uk/coral)

\*\*Nuway Connect is only recommended for external use when using the Ultragrip rubber insert option.

## RIGID ENTRANCE FLOORING SYSTEMS

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.

### OPEN



### CLOSED

Most Nuway ranges offer a choice of open or closed construction to meet individual requirements.

### DOUBLE DOUBLE

Nuway Tuftguard can be reversible, effectively doubling its life.



Nuway Tuftguard HD is strong enough to cope with high point loads of up to 900kg/cm².

### customise nuway®

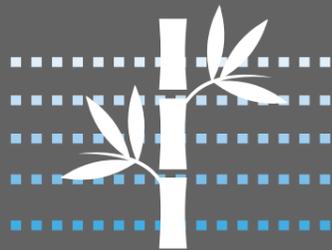
All Nuway mats can be customised with names, logos and corporate messages.



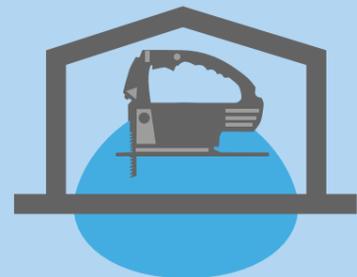
Nuway Tuftguard is available in Bamboo, a sustainable species of grass.

### SINGLE + coral®

Nuway single sided ranges are available with Coral inserts for colour co-ordination.



Nuway Tuftguard Bamboo prevents strobing in bright entrances.



Nuway Grid is easy to shape on site.



**100%**  
of aluminium and steel waste from our Nuway production is recycled.

## NUWAY COLLECTION AT A GLANCE

### nuway® tuftguard

The original and most widely used rigid entrance mat in the UK. Reversible, effectively doubling its lifespan and guaranteed for up to 15 years. Available in open or closed format with single or double wiper strips for increased moisture removal.



8

### nuway® tuftguard HD

For entrances with intense traffic and high point loads.



12

### nuway® connect

Single sided product offering 'mix and match' opportunities including bristle, Ultragrip rubber and Coral inserts.



16

### nuway® grid

Single sided product available with 12 inserts, including Ultragrip Rubber for sure footing in multi-directional entrances.



22



At the heart of the Nuway range, **Tuftiguard Classic** is the most widely used rigid engineered entrance mat in the UK. Tuftiguard has the **durability, strength** and **structural integrity** to deliver **excellent performance and appearance retention** in intense traffic locations.

- High tensile steel linkages give Nuway Tuftiguard **construction integrity**.
- Tuftiguard mats can sit in a matwell or can be used with ramp systems.
- For multi-directional entrances, Nuway Tuftiguard is **available in 50cm tile format**.
- Tuftiguard is available in **open or closed construction** to suit the location of the mat and preferred cleaning regime. Note: Bamboo in open construction is only available as a special order. Please contact 01773 740 688 to find out more.
- Tuftiguard is **available with single wiper strips or double wiper strips** where extra moisture absorption is required or where the entrance is less than 3 metres deep.

- Tuftiguard is available in a **choice of depths** to match most matwells. Ramp frames are also available.
- **Scraper bars**, as the name suggests, scrape soil from the traffic crossing the entrance system.
- **Wiper strips** remove moisture and finer dirt.
- In our **Black anodised** aluminium mats, the black anodised finish is **removed from the tip of the scraper bars** to ensure a **consistent appearance** across the mat.
- Scraper bars are also available in three special anodised colours. **sand, bronze and gold.**

## CONSIDERATIONS

BS8300-2:2018 Section 14.2 states that both natural and artificial sources of lighting should be designed to avoid creating glare, pools of bright light and strong shadows.

As with all aluminium matting systems of this type, in very brightly lit or illuminated areas, the strong contrast between light coloured aluminium scraper bars and dark wiper strips can sometimes create a strong visual contrast (and in extreme situations, a strobe effect) which should be prevented. To avoid disorientating pedestrians affected by this type of visual disturbance, consider using Bamboo or coloured anodised scraper bars with a less contrasting wiper strip.

## CHOOSE FROM THREE STYLES OF TUFTIGUARD

There are three different styles of Tuftiguard, each offering a different level of design and performance flexibility.

	Best Seller Tuftiguard Classic	Tuftiguard Plain	Tuftiguard Design
Suitable for external / interior entrances			
Reversible?	<b>DOUBLE DOUBLE</b>		
Colours of wiper strips available	Buffed rubber for maximum dirt hiding	Unbuffed rubber for use in external entrances	Additional choice of 4 colours to reflect interior colour schemes
Wiper strip format	Single wiper strip	Double wiper strip for increased moisture removal and where the entrance is less than 3m deep	
Colours of scraper bars available	Anodised aluminium Suitable for most areas.	Anodised aluminium (internal only). Offering a matt aesthetic which helps prevent strobing in bright conditions. Available in black, sand, bronze and gold.	Bamboo (Internal only) Sustainable and ideal for use alongside timber finishes.
Depth options	12mm  or  17mm		
Construction of mat	<b>CLOSED</b> or <b>OPEN</b>		Open construction, ideal for external entrances as it can store more wet and dry soil. The new open construction design is heel proof.**
Guarantee	<b>GUARANTEE 10 YEARS*</b> <small>*15 years if installed by a FESSI. 7 year guarantee for Bamboo if installed by a FESSI.</small>		
Where to use?	Very heavy and intense traffic areas.		

\*For details on FESSIs please visit [www.forbo-flooring.co.uk/FESSI](http://www.forbo-flooring.co.uk/FESSI)

\*\*Note: Tuftiguard Classic and Design with Bamboo scraper bars is only available in open format as a special. Minimum order quantities, leadtimes and individual prices apply. Please contact 01773 740 688 to find out more.

\*\*\* Minimum order quantity is 13m<sup>2</sup>. The three anodised colours are sand, bronze and gold.

### New Tuftiguard Bamboo – the sustainable choice



- Bamboo is a **sustainable** species of grass.
- Tuftiguard Bamboo uses **moso high density** which outperforms the very best hardwood species, making it the best natural solution in heavy traffic situations.
- Moso bamboo is the **fastest growing** plant in the world.
- Moso bamboo is **sourced from sustainably managed forests** and plantations and is **FSC® certified**.
- As Bamboo is a **natural product**, there will be some **slight colour variances** between the scraper bars.
- Again, as it's a **natural product**, the mat may **fade** slightly over time and could lose some **small splinters** during its life cycle, however, this **will not affect the structural integrity** of the mat.

Bamboo scraper bars

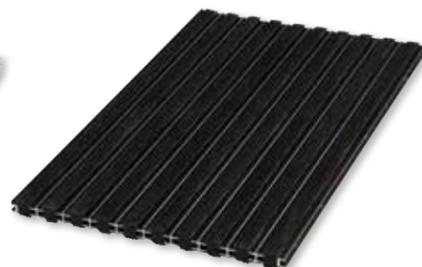
## Tuftiguard plain



## Tuftiguard classic



## Tuftiguard design

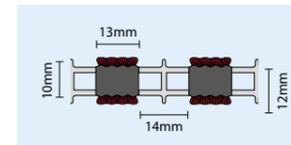


Maximum length per module	2500mm (Bamboo 2400mm)															
Maximum width per module	750mm															
Maximum weight per module	23kg/m <sup>2</sup>															
Depth	12mm								17mm							
Scraper bar material	Silver, black, sand, bronze or gold anodised aluminium				Bamboo				Silver, black, sand, bronze or gold anodised aluminium				Bamboo			
Construction	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
Total weight (kg/m <sup>2</sup> )	11	12	14	15	10	11	13	14	14	15	16	17	13	14	15	16
Max static load (kg/cm <sup>2</sup> )	200				100				200				200			
Dynamic load (kg) 2 wheels 80mm, 20,000 passes	200				100				200				200			
Frames	A selection of recessed matwell frames are available															
Ramp frame model	ARF 50								ARF 70							
Manufacturing method	Entrance flooring system with scraper bars and rubber wiper strips															
Wiper designs	Plain, natural fibres, coloured fibres															
Wiper material	Rubber															
Pile material	100% Polyamide BCF															

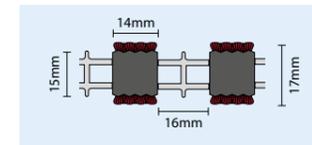
# TECHNICAL SPECIFICATIONS



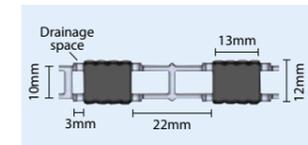
## Tuftiguard Classic and Design – dimensions



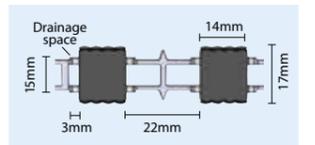
12mm single closed



17mm single closed



12mm single open



17mm single open

All dimensions are approximate.



## CONSIDERATIONS

**Bamboo** is a natural product so there will be a variance of colour within the scraper bars and although the Bamboo may fade and lose small 'splinters', the structural integrity of the mat will not be affected.

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 scraper bars in **Bamboo** or **Anodised Aluminium**.



## Scraper bars



## Wiper bar options

Plain and Classic



## Wiper bar options

Design



For more detailed information on the dimensions of our Nuway Tuftiguard Entrance Systems, please visit [www.forbo-flooring.co.uk/downloads](http://www.forbo-flooring.co.uk/downloads), or contact our Entrance Flooring Systems Customer Service team on **01773 740 688**.

# nuway® tuftiguard HD



- The ideal matting solution for entrances with **heavy duty loads** and **intense pedestrian and/or wheeled traffic**.

- Patented aluminium scraper bar ensures it's the **strongest type of matting in the Nuway range**, and possibly in the UK.

- Tests have confirmed that Tuftiguard HD **can withstand static loads of up to 900kg/cm<sup>2</sup>** compared with the maximum load of 200kg/cm<sup>2</sup> for standard Tuftiguard mats.

- Aluminium scraper bars have special ridges which **effectively remove dirt** while also being **smooth enough for wheeled traffic** to move easily.

## CONSIDERATIONS

BS8300-2:2018 Section 14.2 states that both natural and artificial sources of lighting should be designed to avoid creating glare, pools of bright light and strong shadows.

As with all aluminium matting systems of this type, in very brightly lit or illuminated areas, the strong contrast between light coloured aluminium scraper bars and dark wiper strips can sometimes create a strong visual contrast (and in extreme situations, 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.

## CHOOSE FROM **THREE STYLES** OF TUFTIGUARD HD

There are three different styles of Tuftiguard HD, each offering a different level of design and performance flexibility.

### Tuftiguard HD classic

This is the best selling option in our HD collection.

- The wiper strip is buffed rubber for maximum dirt hiding as most dirt is light grey.
- The ridged scraper bars help to prevent glare.

### Tuftiguard HD plain

As the Classic offer but with an unbuffed wiper strip making it suitable for external entrances.

### Tuftiguard HD design

As the Classic offer but with an additional choice of nine wiper strips to reflect interior colour schemes.



	Tuftiguard HD Classic	Tuftiguard HD Plain	Tuftiguard HD Design
Suitable for external / interior entrances			
Reversible?	<b>DOUBLE REVERSIBLE</b>		
Colours of wiper strips available	Buffed rubber for maximum dirt hiding	Unbuffed rubber for use in external entrances	Additional choice of 4 colours to reflect interior colour schemes
Wiper strip format	Only available in closed format with double wiper strips to ensure maximum performance and durability		
Colours of scraper bars available	Aluminium		
Depth options	12mm  or  17mm		
Construction of mat	<b>CLOSED</b>		
Guarantee	<b>GUARANTEE 10 YEARS*</b>		*15 years if installed by a FESSI.
Where to use?	Very heavy and intense traffic areas with high point loading.		

\*For details on FESSI's please visit [www.forbo-flooring.co.uk/FESSI](http://www.forbo-flooring.co.uk/FESSI)

# nuway® tuftiguard HD

Tuftiguard HD plain



Tuftiguard HD classic



Tuftiguard HD design

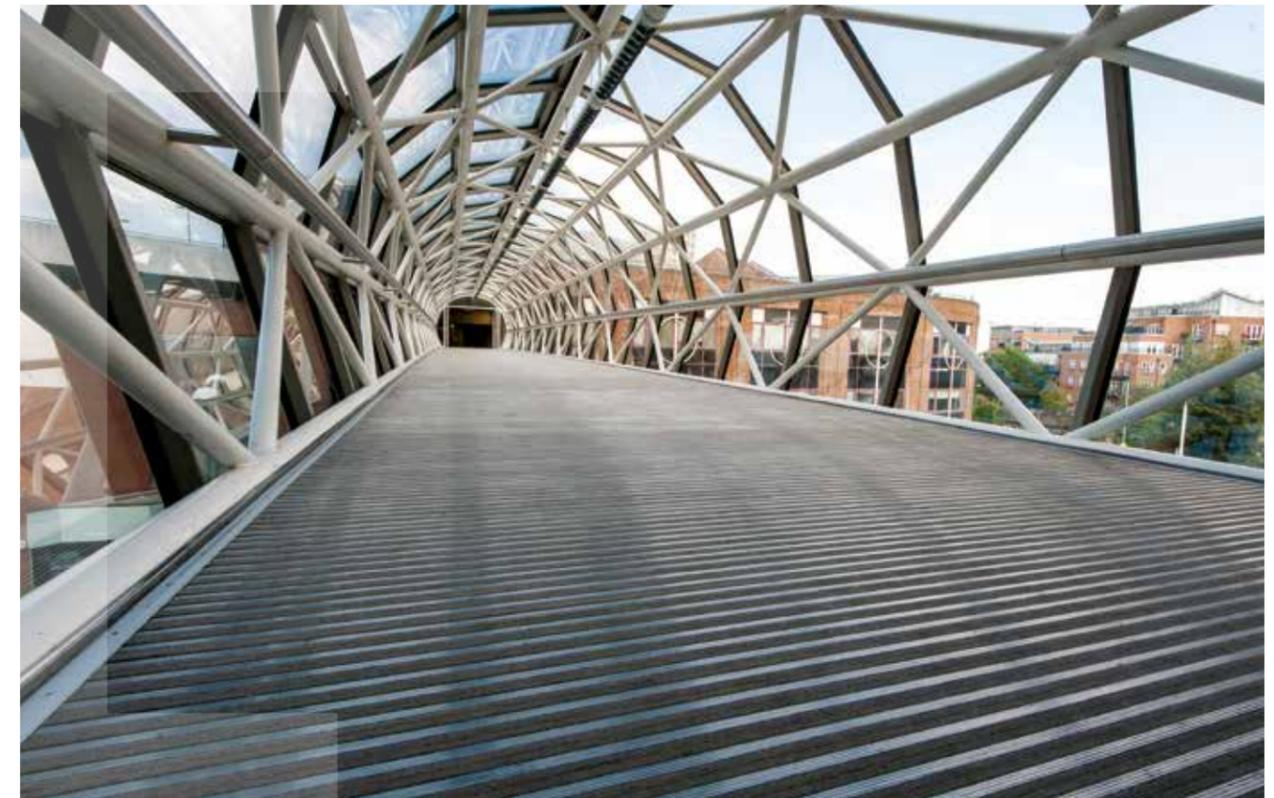


	Nuway 12mm	Nuway 17mm
Maximum length per module	2500mm	2500mm
Maximum width per module	750mm	750mm
Maximum weight per module	23kg/m <sup>2</sup>	23kg/m <sup>2</sup>
Depth	12mm	17mm
Scraper bar material	Aluminium	Aluminium
Construction	Closed	Closed
Number of wiper strips	2	2
Total weight (kg/m <sup>2</sup> )	17	24
Max static load (kg/cm <sup>2</sup> )	900	900
Dynamic load (kg) 2 wheels, 80mm 20,000 passes	350	350
Frames	A selection of recessed matwell frames are available	A selection of recessed matwell frames are available
Ramp frame model	ARF 50	ARF 70
Manufacturing method	Entrance flooring system with scraper bars and rubber wiper strips	Entrance flooring system with scraper bars and rubber wiper strips
Wiper design	Plain, natural fibres, coloured fibres	Plain, natural fibres, coloured fibres
Pile / wiper material	100% polyamide BCF	100% polyamide BCF

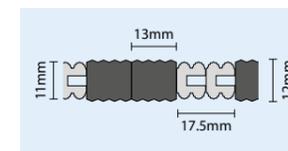
To find out more about how our Nuway ranges help to create better environments, please visit our web site and download the environmental data sheets [www.forbo-flooring.co.uk/cbedownloads](http://www.forbo-flooring.co.uk/cbedownloads)



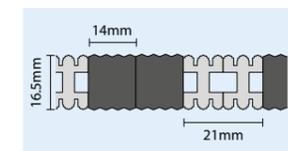
## TECHNICAL SPECIFICATIONS



Tuftiguard HD plain – dimensions

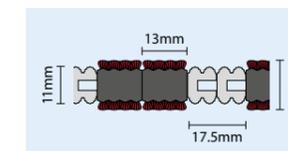


12mm double closed

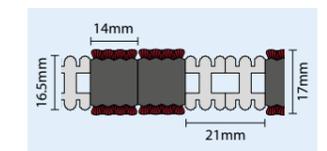


17mm double closed

Tuftiguard HD classic/design – dimensions



12mm double closed



17mm double closed

All dimensions are approximate.

### Scraper bars

Universal



Aluminium

### Wiper bar options

Plain and Classic



Unbuffered (Plain)



Buffered (Classic)

### Wiper bar options

Design



Charcoal

Ocean

Scarlet

Willow

For more detailed information on the dimensions of our Nuway Tuftiguard Entrance Systems, please visit [www.forbo-flooring.co.uk/downloads](http://www.forbo-flooring.co.uk/downloads), or contact our Entrance Flooring Systems Customer Service team on **01773 740 688**.



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

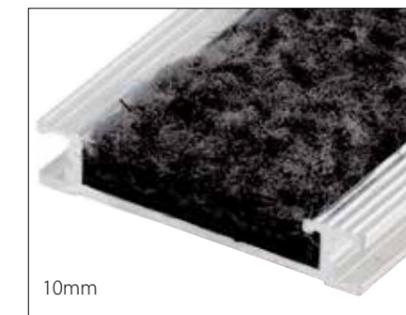
- **Ultragrip rubber inserts** have been tested using the Pendulum (the HSE recommended test method) in accordance with BS7976-2 and the UK Slip Resistance Group Guidelines and **offer a low slip risk** in wet and dry conditions.
- **Ultragrip rubber** offers excellent sure-footing and is **ideal for multi-directional entrances**. Its high rubber content prevents it getting slippery when wet.
- **Ultragrip rubber** offers improved **underfoot comfort** and **moisture removal** due to its 'pocket' design. It also offers **excellent fire rating properties**.

- A choice of **5 Coral Classic inserts** allows colour co-ordination with matching Coral Classic sheet product used in the secondary matting zone.
- All three elements, Coral, bristles and Ultragrip rubber, **can be mixed and matched** to create the precise entrance system to meet your needs.
- Open construction **Connect mats can be rolled up** for ease of cleaning.
- The patented product design ensures that the **mat can only be rolled inwardly**, helping to prevent the **bow wave** that can occur on other rollable products.

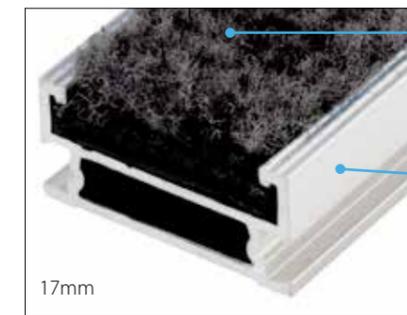


## THE FLEXIBLE, RIGID ENTRANCE SYSTEM

### Connect carrier component structure



10mm



17mm

#### Inserts

Available with a choice of 5 Coral Classic, 4 row bristle and Ultragrip rubber inserts for internal and external use.

#### Carrier Section

Low lustre aluminium anodised finish helps to prevent a strobing effect in bright conditions. **Note:** There is a slight difference in the profile between 10mm and 17/22mm Connect. (see image on the left).

For technical information please visit [www.forbo-flooring.co.uk/Nuway](http://www.forbo-flooring.co.uk/Nuway)

### Choose your combination

Nuway Connect is one of the most flexible single sided entrance mats available in the UK. With a choice of 7 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)



**4-row bristle**

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

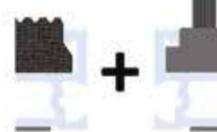


**Ultragrip rubber**

- Ideal for multi directional entrances
- Proven low slip risk
- Fire rating of Bfls1
- For exterior and interior use

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### 2 MIX & MATCH YOUR OPTIONS



**The following options are available if required**

- Ultragrip rubber with bristles (alternating)
- Textile with Ultragrip rubber or bristles (alternating)

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### 3 CHOOSE YOUR CONSTRUCTION



**Open**

- Collects dirt in the matwell rather than on the surface
- Easily rollable for cleaning



**Closed**

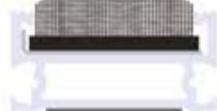
- Improved functionality of the mat as there is a greater surface of inserts

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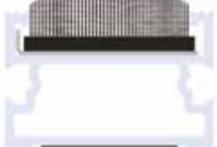
### 4 SELECT YOUR HEIGHT



10mm



17mm



22mm

**Please note:** Due to the different construction of the 10mm depth product, there is a greater visibility of aluminium scraper bar than on the other 2 heights.



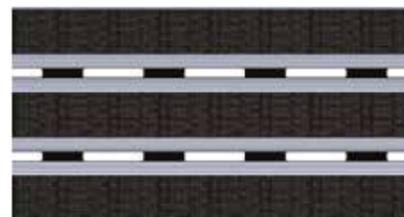
Nuway Connect is flexible single sided solutions with three different inserts which can be mixed and matched for the ideal entrance.

**Different heights – different profiles**

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

**Open or closed construction**

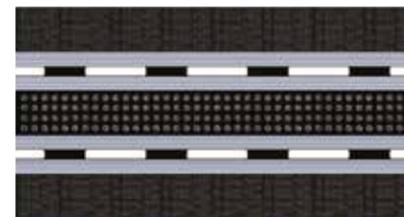
**Mix and match – bristle and Ultragrip rubber**



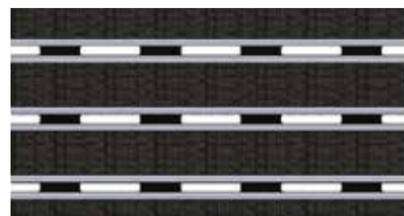
10mm



Open (10mm height)



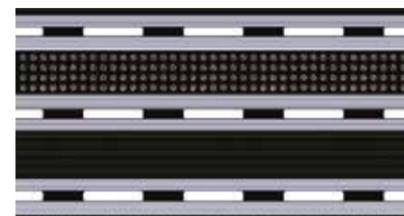
Textile with bristles (10mm height)



17/22mm



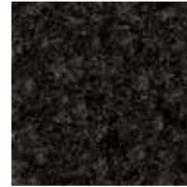
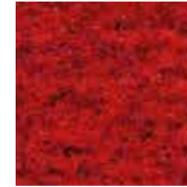
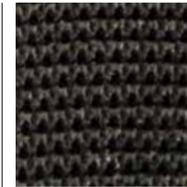
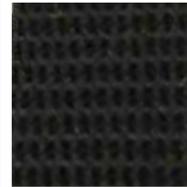
Closed (10mm height)



Bristles with Ultragrip rubber (10mm height)

THE **FLEXIBLE, RIGID** ENTRANCE SYSTEM

**Coral Classic colours available in Nuway connect**

 4701   anthracite	 4730   raven black	 4753   bright red		
 4764   taupe	 4750   warm black	 Ultragrip rubber	 Bristles	<b>Specials</b> Different colours of Coral Classic and Coral Brush inserts are available at a small price premium and there is also the possibility of adding anodised aluminium branding strips. To find out more, please contact our Entrance Flooring Systems customer service team on <b>01773 740 688</b> .

	Connect with Coral textile inserts	Connect with bristle inserts	Connect with Ultragrip rubber inserts
Suitable for external / interior entrances			
Inserts available	<b>coral® classic</b> 5 colours (see above for details)	 4-row bristle	 Slip resistant Ultragrip rubber
Carrier	 Low lustre aluminium		
Construction of mat	<b>OPEN</b>  or <b>CLOSED</b> 		
Height options	 10mm  17mm  22mm		
Mix and match inserts	 Offers a mix and match option including textile, bristle and Ultragrip rubber.		
Rollable	 Rollable for ease of cleaning in open construction only		
Guarantee	<b>GUARANTEE 5 YEARS*</b> *7 years if installed by a FESSI.		
Where to use?	 Very heavy traffic.		

\*For details on FESSIs please visit [www.forbo-flooring.co.uk/FESSI](http://www.forbo-flooring.co.uk/FESSI)

**CONSIDERATIONS**

BS8300-2:2018 Section 14.2 states that both natural and artificial sources of lighting should be designed to avoid creating glare, pools of bright light and strong shadows. As with all aluminium matting systems of this type, in very brightly lit or illuminated areas, the strong contrast between light coloured aluminium scraper bars and dark wiper strips can sometimes create a strong visual contrast (and in extreme situations, a strobe effect) which should be prevented. To avoid disorientating pedestrians affected by this type of visual disturbance, consider using a less contrasting insert.

If you are considering Connect for an exterior mat in an exposed entrance, we recommend using Ultragrip rubber or a combination of Ultragrip rubber and bristle for maximum slip resistance. Please contact our Entrance Flooring Systems customer service team on **01773 740 688** to ensure compatibility.

NUWAY CONNECT WITH CORAL CLASSIC TEXTILE INSERT

Combination	Textile only					
	Open			Closed		
System	10mm	17mm	22mm	10mm	17mm	22mm
Depth to height of aluminium (mm)	8	14	19	8	14	19
Depth to height of insert (mm)	11	17	22	11	17	22
Distance between the profiles (mm)	5			0		
Weight (kg/m <sup>2</sup> )	9.5	13.2	14.9	10.5	15.1	17.1
Max width per module (mm)	3000					
Max depth per module (mm)	Relates to the weight					
Max weight per module (kg)	23					
Max static load (kg/cm <sup>2</sup> )	200	200	200	200	200	200
Dynamic load (kg) 2 wheels, 80mm 20,000 passes	200	200	200	200	200	200
Fire behaviour EN ISO 9239-1	B <sub>fl</sub> s1					
Frame	A selection of recessed matwell frames are available					
Ramp frame	ARF 50	ARF 70		ARF 50	ARF 70	
Material and manufacturing method	Anodised aluminium profiles with PVC connector profiles, stainless steel clips					
Wiper design	Coral clean-off system					
Wiper material	100% polyamide BCF					

NUWAY CONNECT WITH BRISTLE

Combination	Bristle only					
	Open			Closed		
System	10mm	17mm	22mm	10mm	17mm	22mm
Depth to height of aluminium (mm)	8	14	19	8	14	19
Depth to height of insert (mm)	15	21	26	15	21	26
Distance between the profiles (mm)	5			0		
Weight (kg/m <sup>2</sup> )	12.7	17.1	18.8	14.2	19.6	21.6
Max width per module (mm)	3000					
Max depth per module (mm)	Relates to the weight					
Max weight per module (kg)	23					
Max static load (kg/cm <sup>2</sup> )	100	100	100	100	100	100
Dynamic load (kg) 2 wheels, 80mm 20,000 passes	50	50	50	50	50	50
Fire behaviour EN ISO 9239-1	C <sub>fl</sub> s1					
Frame	A selection of recessed matwell frames are available					
Ramp frame	ARF 50	ARF 70		ARF 50	ARF 70	
Material and manufacturing method	Anodised aluminium profiles with PVC connector profiles, stainless steel clips					
Wiper design	4 row bristles					
Wiper material	100% polyamide BCF					

To find out more about how our Nuway ranges help to create better environments, please visit our web site and download the environmental data sheets [www.forbo-flooring.co.uk/cbedownloads](http://www.forbo-flooring.co.uk/cbedownloads)

TECHNICAL SPECIFICATIONS

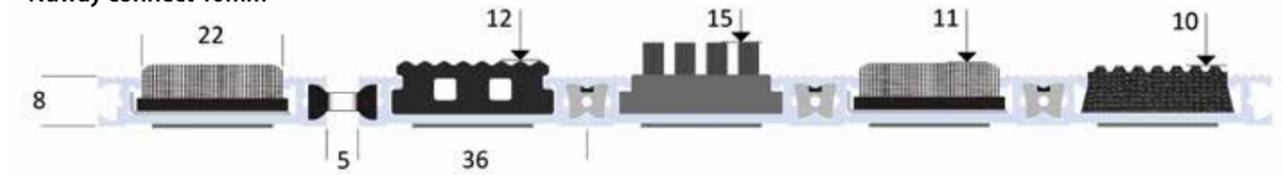
NUWAY CONNECT WITH ULTRAGRIP SAFETY RUBBER

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

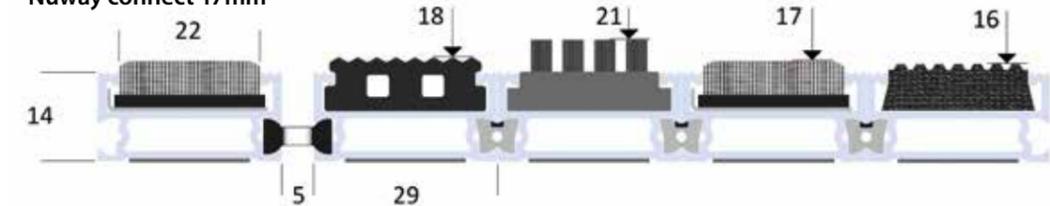
To find out more about how our Nuway ranges help to create better environments, please visit our web site and download the environmental data sheets [www.forbo-flooring.co.uk/cbedownloads](http://www.forbo-flooring.co.uk/cbedownloads)

MAIN DIMENSIONS SHOWN IN MM

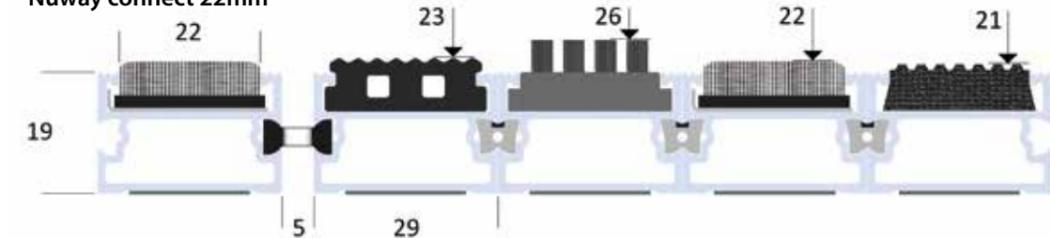
Nuway connect 10mm



Nuway connect 17mm



Nuway connect 22mm





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.

- Coral carrier sections can allow colour co-ordinated entrance areas to be created with primary and secondary entrance matting products.
- Inserts include strips of textile inserts (for internal use only) in 11 different colourways drawn from the Coral Classic, Coral Brush and Burford ranges.

- Other textile inserts from the Coral range are available to special order.
- Grid Ultragrip provides a slip resistant surface, ideal for external entrances with multi directional traffic.
- Ultragrip rubber inserts have been tested using the Pendulum (the HSE recommended test method) in accordance with BS7976-2 and the UK Slip Resistance Group Guidelines and offer a low slip risk in wet and dry conditions.

- Grid Ultragrip offers improved underfoot comfort and moisture removal due to its 'pocket' design. It also offers excellent fire rating properties.
- Available in a choice of 12 and 17mm depths to suit the majority of matwells.
- Unique dovetail construction allows for easy shaping on site.



### CONSIDERATIONS

BS8300-2:2018 Section 14.2 states that both natural and artificial sources of lighting should be designed to avoid creating glare, pools of bright light and strong shadows.

In very brightly lit or illuminated areas, the strong contrast between light coloured aluminium scraper bars and dark wiper strips can sometimes create a strong visual contrast (and in extreme situations, a strobe effect) which should be prevented. To avoid disorientating pedestrians affected by this type of visual disturbance, consider using a less contrasting insert. Please contact our Entrance Flooring Systems customer service team on 01773 740 688 to ensure compatibility.

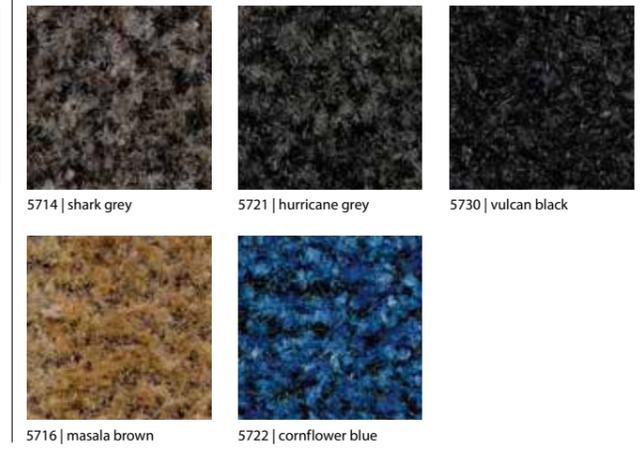


## TOUGH, DURABLE AND STYLISH

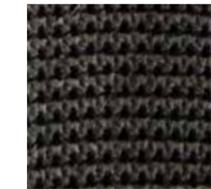
### Coral Classic colours available in Nuway Grid



### Coral Brush colours available in Nuway Grid



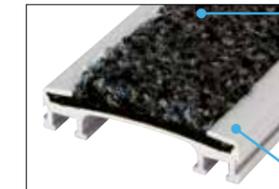
### Ultragrip rubber insert



### Burford insert



### Nuway Grid carrier component structure



**Inserts** – Nuway Grid is available in a selection of 12 different inserts from the Coral Classic, Coral Brush and Burford ranges and Ultragrip rubber inserts (for exterior entrances).

**Carrier Section** – Low lustre anodised finish complies with Equality Act requirements. Patented crimping action firmly secures the insert within the carrier section.

For technical information please visit [www.forbo-flooring.co.uk/Nuway](http://www.forbo-flooring.co.uk/Nuway)

	Grid with textile inserts	Grid with Ultragrip rubber inserts
Suitable for external / interior entrances		
Inserts available	<b>coral® classic</b> 5 colours <b>coral® brush</b> 5 colours <b>Burford</b>	Slip resistant Ultragrip rubber
Carrier	Low lustre aluminium	
Height options	12mm  or  17mm	
Construction of mat	<b>CLOSED</b>	
Guarantee	<b>GUARANTEE 5 YEARS*</b> *7 years if installed by a FESSI.	
Where to use?	Very heavy traffic.	

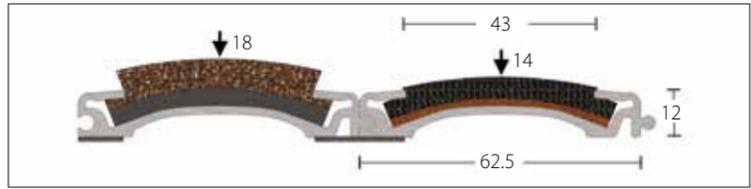
\*For details on FESSIs please visit [www.forbo-flooring.co.uk/FESSI](http://www.forbo-flooring.co.uk/FESSI)

	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	Ultragrip Safety Rubber	Burford/Coral Classic/ Coral Brush	Ultragrip Safety Rubber	Burford/Coral Classic/ Coral Brush
Construction	Closed		Closed	
Total weight (kg/m <sup>2</sup> )	10.5	Approx 9	17.2	Approx 15
Max static load (kg/cm <sup>2</sup> )	100		100	
Dynamic load (kg) 2 wheels 80mm, 20,000 passes	200		200	
Fire behaviour EN ISO 9239-1	Ultragrip B <sub>s</sub> 1		Textile B <sub>s</sub> 1 (Coral only)	
Ramp frame model	ARF 50		ARF 70	
Manufacturing method	Entrance flooring system with carriers and Ultragrip rubber infills	Entrance flooring system with carriers and textile infills	Entrance flooring system with carriers and Ultragrip rubber infills	Entrance flooring system with carriers and textile infills
Wiper material	Ultragrip rubber	Needlefelt/PVC backed textile	Ultragrip rubber	Needlefelt/PVC backed textile
Pile material	N/A	100% polypropylene (Burford) /100% polyamide (Coral)	N/A	100% polypropylene (Burford) /100% polyamide (Coral)

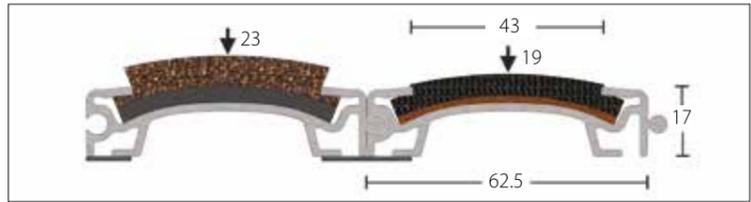
To find out more about how our Nuway ranges help to create better environments, please visit our website and download the environmental data sheets [www.forbo-flooring.co.uk/cbedownloads](http://www.forbo-flooring.co.uk/cbedownloads)



To see full range of inserts, please visit [www.forbo-flooring.co.uk/Nuway](http://www.forbo-flooring.co.uk/Nuway)



Nuway Grid 12mm with textile / Ultragrip rubber



Nuway Grid 17mm with textile / Ultragrip rubber



Rubber fill in profiles ensure a neat matwell finish and facilitate cutting on site

CONSIDERATIONS

BS8300-2:2018 Section 14.2 states that both natural and artificial sources of lighting should be designed to avoid creating glare, pools of bright light and strong shadows.

In very brightly lit or illuminated areas, the strong contrast between light coloured aluminium scraper bars and dark wiper strips can sometimes create a strong visual contrast (and in extreme situations, a strobe effect) which should be prevented. To avoid disorientating pedestrians affected by this type of visual disturbance, consider using a less contrasting insert. Please contact our Entrance Flooring Systems customer service team on 01773 740 688 to ensure compatibility.

NUWAY TRAINING

For more than 20 years, Forbo Flooring has been offering rigid matting training, based on CITB guidelines, at its Telford rigid entrance matting manufacturing site.



We worked with CITB (Construction Industry Training Board), CSCS (Construction Skills Certification Scheme), CFA (Contract Flooring Association) and FITA (the CFA affiliated training association) to develop a new CITB approved training standard: **'Entrance Matting and Matwell Framing Installation'.**

The CITB course is a four-day course which includes all types of entrance matting (rigid, single-sided, modular, textile) as well as matwell frames.

This course is designed to enable all installers involved with entrance matting fitting to gain a recognised installation skill with external certification and thereby allow them to apply for a CSCS Blue Skilled Worker Card (valid for 5 years). This skilled worker card will be specifically for the installation of entrance matting and matwell frames and is in addition to any general floor laying CSCS card that may be held by individuals.

For more information please visit [www.forbo-flooring.co.uk/nuway](http://www.forbo-flooring.co.uk/nuway)



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 the CITB Entrance Matting and Matwell Framing Installation standard course and holds the relevant CSCS card for installation of entrance flooring systems. They have had to demonstrate their ability to deliver demanding Nuway installations incorporating complex shaping and breakouts. There are two levels, FESSI Technician and FESSI Master Fitter. All participants must pass the training to be authorised to carry a FESSI ID card.
- FESSI contractors will carry out the entire installation to the highest standards, including preparation of the subfloor and Nuway matting installed under the FESSI scheme is guaranteed for up to 15 years depending on the product fitted.

To find your nearest FESSI, please visit [www.forbo-flooring.co.uk/FESSI](http://www.forbo-flooring.co.uk/FESSI)

Forbo Entrance System Specialist Installer

**Joe Bloggs**  
Employed by: **Forbo Flooring Ltd**  
**Approved FESSI Technician**  
FESSI Number: **0000** Expires: **11/3/2022**

Working in partnership with Forbo Flooring Systems

Forbo Entrance System Specialist Installer

**Joe Bloggs**  
Employed by: **Forbo Flooring Ltd**  
**Approved FESSI Master Fitter**  
FESSI Number: **0000** Expires: **11/3/2022**

Working in partnership with Forbo Flooring Systems



Homogeneous vinyl

Linoleum

Carpet Tiles



Static control flooring



Project vinyl



Luxury Vinyl Tiles



Safety vinyl



Acoustic vinyl



Entrance Flooring



Flocked flooring

## Flooring solutions to meet your needs

At Forbo we're passionate about flooring. We produce the largest range of sustainable floor coverings in the world and supply total solutions for every area in every type of building.

We can offer a fully integrated, product portfolio, delivered by one trusted supplier.

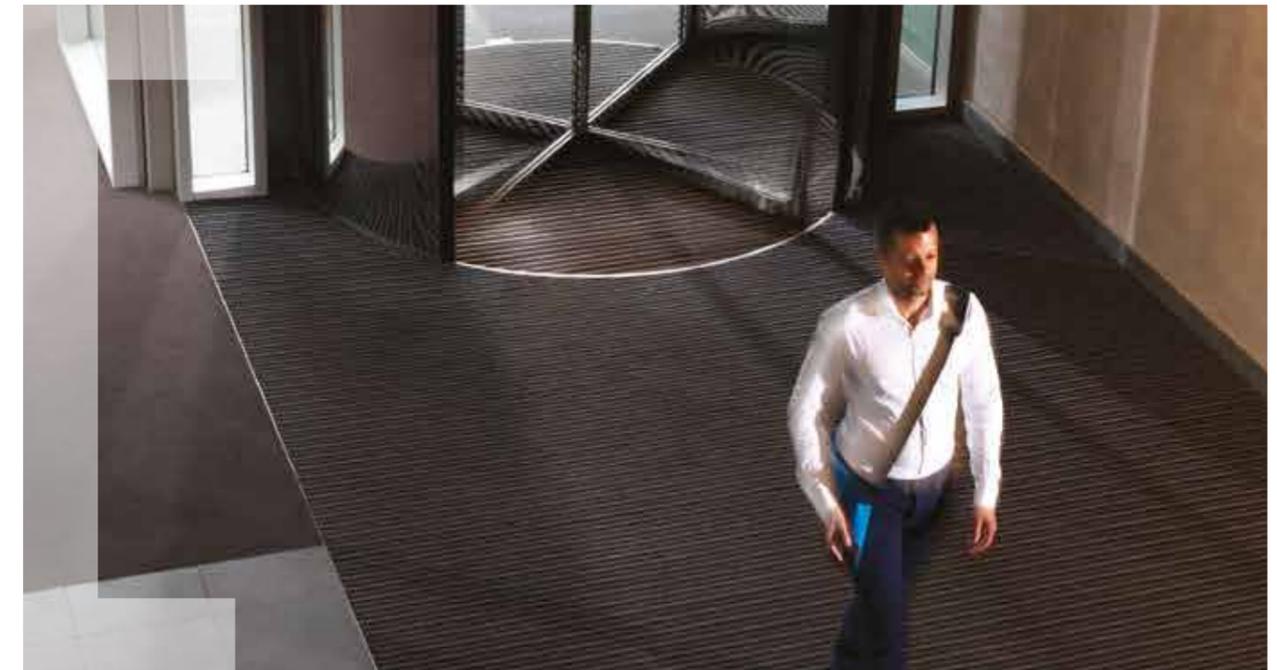
Our flooring solutions offer includes:

- Environmentally friendly, functional and design-oriented linoleum.
- An extensive range of sheet project vinyl, acoustic vinyl and safety vinyl.
- High performing static control flooring for areas with sensitive electronic equipment.
- High quality European manufactured Luxury Vinyl Tiles.
- Carpet tiles for both public and commercial environments.
- Flocked sheet and tiles for areas that need the benefits of both textile and resilient floor coverings.
- Cushioned vinyl for the home environment in a wide range of designs.
- Entrance flooring systems that keep interior floors clean, dry and safe.



Please visit our website [www.forbo-flooring.co.uk](http://www.forbo-flooring.co.uk) to see our extensive range of flooring products. Alternatively, please visit [ccs-agreements.cabinetoffice.gov.uk](http://ccs-agreements.cabinetoffice.gov.uk)

## WHAT TO DO NEXT



**Having reached this point in the brochure you may have recognised that many factors need to be considered when specifying your entrance flooring system.**

If you would like further information on any of the products shown in this brochure, or would like to discuss an entrance flooring project with our experienced advisers, please call our dedicated entrance flooring team on **01773 740 688**.

You can also find further information on our website [www.forbo-flooring.co.uk/EFS](http://www.forbo-flooring.co.uk/EFS). The download section allows you to access a broad variety of literature including BIM models, product specifications, technical drawings, installation guidance, NBS specification and datasheets.

Samples can also be ordered by calling **0800 731 2369** or emailing [samples.uk@forbo.com](mailto:samples.uk@forbo.com)

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.



**SAMPLE SERVICE**  
**0800 731 2369**  
[samples.uk@forbo.com](mailto:samples.uk@forbo.com)



Please contact  
[efs.flooring.uk@forbo.com](mailto:efs.flooring.uk@forbo.com)  
[www.forbo-flooring.co.uk](http://www.forbo-flooring.co.uk)  
Tel: **01773 740 688**

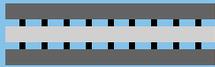
Or visit our showroom:  
**London EC1 Showroom**  
**79 St John Street**  
**Clerkenwell**  
**London**  
**EC1M 4NR**  
Tel: **0207 553 9300**

Opening hours:  
**Monday - Friday 9.00 am - 4.00 pm**

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

**OPEN**



**CLOSED**



Most Nuway ranges offer a choice of open or closed construction to meet individual requirements.

**SINGLE**

+

**DOUBLE**

**DOUBLE**

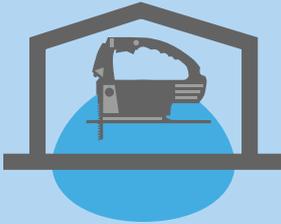
Available in both double and single sided versions to match all budgets.

customise  
**nuway**<sup>®</sup>

All Nuway mats can be customised with names, logos and corporate messages.



Nuway Tuftguard is available in Bamboo, a sustainable species of grass.



Nuway Grid is easy to shape on site.



**100%**  
of aluminium and steel waste from our Nuway production is recycled.

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

**UK**

Forbo Flooring UK Limited  
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Ripley  
Derbyshire DE5 3NT

**London EC1 showroom**  
79 St John Street, Clerkenwell  
London EC1M 4NR  
Tel: 0207 553 9300

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London & South East  
Tel: 0800 0282 162  
Fax: 01772 646 912  
bcs.flooring.uk@forbo.com

If calling from Scotland,  
Midlands & South West  
Tel: 0800 0935 258  
Fax: 01592 643 999  
kcs.flooring.uk@forbo.com

**Nuway enquiries:**

Tel: 01773 740 688  
Fax: 01773 740 640

**Residential enquiries:**

Tel: 0800 0935 846  
Fax: 01592 643 999  
Email: info.flooring.uk@forbo.com  
www.forbo-flooring.co.uk

**Samples:**

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email: samples.uk@forbo.com

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www.forbo-flooring.ie

**Find us on**



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Derbyshire DE5 3NT  
Registered in England 9200318



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