Rigid engineered entrance flooring

nuway®

creating better environments
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.

![Image of entrance flooring systems]

ENTRANCE FLOORING SYSTEMS

SAVE MONEY...

...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.

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.

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

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.

![Image of British Standard 7953: 1999 Part 3.1 Guidance document]

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![Image of British Standard 7953: 1999 Part 3.1 Guidance document]
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 provides key information in the design of the entrance area. One consideration is to think in terms of applications.

**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.

INSIDE USE

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

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.

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**WHAT DO I NEED TO CONSIDER?**

<table>
<thead>
<tr>
<th>Where to use</th>
<th>Internal or External?</th>
<th>Reversible</th>
<th>Finishes – Reversible</th>
<th>Removes Moisture</th>
<th>Which should I choose?</th>
<th>Guarantee</th>
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<td></td>
<td><strong>Scaper bars</strong></td>
<td><strong>Wiper strips</strong></td>
<td><strong>Nuway Connect</strong></td>
<td></td>
<td><strong>15 years</strong></td>
</tr>
<tr>
<td><strong>APPLICATION 2</strong></td>
<td></td>
<td><strong>Scaper bars</strong></td>
<td><strong>Wiper strips</strong></td>
<td><strong>Nuway Connect</strong></td>
<td></td>
<td><strong>7 years</strong></td>
</tr>
<tr>
<td><strong>APPLICATION 3</strong></td>
<td></td>
<td><strong>Scaper bars</strong></td>
<td><strong>Wiper strips</strong></td>
<td><strong>Nuway Connect</strong></td>
<td></td>
<td><strong>3 years</strong></td>
</tr>
</tbody>
</table>

**Nuway installations undertaken by a Forbo Entrance System Specialist Installer (FESSI) are guaranteed for up to 15 years (7 years for Bamboo, Connect and Grid).**

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

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Source: HSE elearning module, ‘Watch your step’.
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.

**NUWAY COLLECTION AT A GLANCE**

**nuway® tuftiguard**
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.

**nuway® tuftiguard HD**
For entrances with intense traffic and high point loads.

**nuway® connect**
Single sided product offering ‘mix and match’ opportunities including bristle, Ultragrip rubber and Coral inserts.

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

**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.

- 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 fine 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.

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### 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.

### Choosing from Three Styles of Tuftiguard

<table>
<thead>
<tr>
<th>Style</th>
<th>Suitable for external / interior entrances</th>
<th>Reversible?</th>
<th>Colours of wiper strips available</th>
<th>Wiper strip format</th>
<th>Colours of scraper bars available</th>
<th>Depth options</th>
<th>Construction of mat</th>
<th>Guarantee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuftiguard Classic</td>
<td>Yes, in open construction</td>
<td>Yes</td>
<td>Buffed rubber for maximum dirt holding</td>
<td>Single wiper strip</td>
<td>Anodised aluminium (suitable for most areas)</td>
<td>12mm or 17mm</td>
<td>Closed or open</td>
<td>10 years*</td>
</tr>
<tr>
<td>Tuftiguard Plain</td>
<td>Yes, in open construction</td>
<td>Yes</td>
<td>Unbuffed rubber for use in external entrances</td>
<td>Double wiper strip for increased moisture removal and where the entrance is less than 3m deep</td>
<td>Anodised aluminium (internal only)</td>
<td>12mm or 17mm</td>
<td>Open construction</td>
<td>7 years if installed by a FESSI/ 15 years if installed by a FESSI *15 years if installed by a FESSI/ 7 year guarantee for Bamboo if installed by a FESSI</td>
</tr>
<tr>
<td>Tuftiguard Design</td>
<td>Yes, in open construction</td>
<td>Yes</td>
<td>Additional choice of 4 colours to reflect interior colour schemes</td>
<td>Double wiper strip for increased moisture removal and where the entrance is less than 3m deep</td>
<td>Bamboo (internal only) Sustainable and ideal for use alongside timber finishes</td>
<td>12mm or 17mm</td>
<td>Open construction</td>
<td>7 years if installed by a FESSI/ 15 years if installed by a FESSI *15 years if installed by a FESSI/ 7 year guarantee for Bamboo if installed by a FESSI</td>
</tr>
</tbody>
</table>

**Note:** Bamboo scraper bars are only available as a special order. Please contact 01773 740 688 to find out more.

**Minimum order quantity is 13m². The three anodised colours are sand, bronze and gold.**

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**FOR DETAILS ON FESSI, PLEASE VISIT WWW.FATBO.FLOORING.CO.UK/FESSI**

**New: 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.**

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**Maximum order quantity is 5m². The three anodised colours are sand, bronze and gold.**
numay® tuftiguard

Tuftiguard plain

Tuftiguard classic

Tuftiguard design

Maximum length per module 2500mm (Bamboo 2400mm)

Maximum width per module 750mm

Maximum weight per module 23kg/m²

Depth 12mm 17mm

Scraper bar material Silver, black, sand, bronze or gold anodised aluminium Bamboo

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

Total weight (kg/m²) 11 12 14 15 10 11 13 14 14 15 16 17 13 14 15 16

Max static load (kg/cm²) 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

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.

TECHNICAL SPECIFICATIONS

Tuftiguard Classic and Design – dimensions

12mm single closed

17mm single closed

12mm single open

17mm single open

All dimensions are approximate

Scraper bars

Wiper bar options

Wiper bar options

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

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*For details on FESSI’s please visit www.forbo-flooring.co.uk/FESSI*

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**CONSIDERATIONS**

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

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.

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**Choose from THREE STYLES of Tuftiguard HD**

**Tuftiguard HD Classic**
- Suitable for external / interior entrances
- Reversible?
- Colours of wiper strips available: Buffed rubber for maximum dirt hiding
- Wiper strip format: Only available in closed format with double wiper strips to ensure maximum performance and durability
- Colour of scraper bars available: Aluminium
- Depth options: 12mm or 17mm
- Construction of mat: CLOSED
- Guarantee: GUARANTEE 10 YEARS* *15 years if installed by a FESSI
- Where to use: Very heavy and intense traffic areas with high point loading.

**Tuftiguard HD Plain**
- Suitable for external / interior entrances
- Reversible?
- Colours of wiper strips available: Unbuffed rubber for use in external entrances
- Wiper strip format: Only available in closed format with double wiper strips to ensure maximum performance and durability
- Colour of scraper bars available: Aluminium
- Depth options: 12mm or 17mm
- Construction of mat: CLOSED
- Guarantee: GUARANTEE 10 YEARS* *15 years if installed by a FESSI
- Where to use: Very heavy and intense traffic areas with high point loading.

**Tuftiguard HD Design**
- Suitable for external / interior entrances
- Reversible?
- Colours of wiper strips available: 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
- Colour of scraper bars available: Aluminium
- Depth options: 12mm or 17mm
- Construction of mat: CLOSED
- Guarantee: GUARANTEE 10 YEARS* *15 years if installed by a FESSI
- Where to use: Very heavy and intense traffic areas with high point loading.
nuway® tuftiguard HD

Tuftiguard HD plain  Tuftiguard HD classic  Tuftiguard HD design

<table>
<thead>
<tr>
<th></th>
<th>Nuway 12mm</th>
<th>Nuway 17mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum length per module</td>
<td>2500mm</td>
<td>2500mm</td>
</tr>
<tr>
<td>Maximum width per module</td>
<td>750mm</td>
<td>750mm</td>
</tr>
<tr>
<td>Maximum weight per module</td>
<td>23kg/m²</td>
<td>23kg/m²</td>
</tr>
<tr>
<td>Depth</td>
<td>12mm</td>
<td>17mm</td>
</tr>
<tr>
<td>Scraper bar material</td>
<td>Aluminium</td>
<td>Aluminium</td>
</tr>
<tr>
<td>Construction</td>
<td>Closed</td>
<td>Closed</td>
</tr>
<tr>
<td>Number of wiper strips</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Total weight (kg/m²)</td>
<td>17</td>
<td>24</td>
</tr>
<tr>
<td>Max static load (kg/m²)</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>20,000 passes, 80mm (20,000 passes)</td>
<td>350 350</td>
</tr>
<tr>
<td>Frames</td>
<td>A selection of recessed matwell frames are available</td>
<td>A selection of recessed matwell frames are available</td>
</tr>
<tr>
<td>Ramp frame model</td>
<td>AIR 50</td>
<td>AIR 70</td>
</tr>
<tr>
<td>Manufacturing method</td>
<td>Entrance flooring system with scraper bars and rubber wiper strips</td>
<td>Entrance flooring system with scraper bars and rubber wiper strips</td>
</tr>
<tr>
<td>Wiper design</td>
<td>Plain, natural fibres, coloured fibres</td>
<td>Plain, natural fibres, coloured fibres</td>
</tr>
<tr>
<td>Pile / wiper material</td>
<td>100% polyamide BCF</td>
<td>100% polyamide BCF</td>
</tr>
</tbody>
</table>

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/downloads.

TECHNICAL SPECIFICATIONS

Tuftiguard HD plain – dimensions

Tuftiguard HD classic/design – dimensions

Scraper bars
- Universal

Wiper bar options
- Plain and Classic
- Design

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

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 slippy 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.

**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.

**Choose your combination**

For technical information please visit www.forbo-flooring.co.uk/Nuway

**Connect carrier component structure**

**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).

**The following options are available if required**

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

**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

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.

Mix and match – bristle and Ultragrip rubber

Open or closed construction

<table>
<thead>
<tr>
<th>Height options</th>
<th>Mix and match insert options</th>
</tr>
</thead>
<tbody>
<tr>
<td>10mm</td>
<td>Connect with Coral textile inserts</td>
</tr>
<tr>
<td>17mm</td>
<td>Connect with bristle inserts</td>
</tr>
<tr>
<td>22mm</td>
<td>Connect with Ultragrip rubber inserts</td>
</tr>
</tbody>
</table>

Connect with Coral textile inserts
- Coral Classic
- 4-row bristle

Connect with bristle inserts
- Slip resistant Ultragrip rubber

Connect with Ultragrip rubber inserts
- Low lustre aluminium

Guarantee
- 5 years if installed by a FESSI
- *7 years if installed by a FESSI.

Where to use?
- Very heavy traffic

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.
### NUVAY CONNECT WITH CORAL CLASSIC TEXTILE INSERT

<table>
<thead>
<tr>
<th>Combination</th>
<th>Textile only</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>Open</td>
<td>Closed</td>
</tr>
<tr>
<td>10mm</td>
<td>10mm</td>
<td>10mm</td>
</tr>
<tr>
<td>17mm</td>
<td>17mm</td>
<td>17mm</td>
</tr>
<tr>
<td>22mm</td>
<td>22mm</td>
<td>22mm</td>
</tr>
<tr>
<td>Depth to height of aluminium (mm)</td>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>Depth to height of insert (mm)</td>
<td>11</td>
<td>17</td>
</tr>
<tr>
<td>Distance between the profiles (mm)</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Weight (kg/m²)</td>
<td>9.5</td>
<td>13.2</td>
</tr>
<tr>
<td>Max width per module (mm)</td>
<td>3500</td>
<td></td>
</tr>
<tr>
<td>Max depth per module (mm)</td>
<td>11</td>
<td>17</td>
</tr>
<tr>
<td>Max weight per module (kg)</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Max static load (kg/m²)</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>2 wheels, 80mm</td>
<td>20,000 passes</td>
</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>2 wheels, 80mm</td>
<td>20,000 passes</td>
</tr>
<tr>
<td>Fire behaviour</td>
<td>EN ISO 9239-1</td>
<td>Bfls1</td>
</tr>
<tr>
<td>Ramp frame</td>
<td>ARF 50</td>
<td>ARF 70</td>
</tr>
<tr>
<td>Material and manufacturing method</td>
<td>Anodised aluminium profiles with PVC connector profiles, stainless steel clips</td>
<td></td>
</tr>
<tr>
<td>Wiper design</td>
<td>Coral clean-off system</td>
<td></td>
</tr>
<tr>
<td>Wiper material</td>
<td>100% polyamide BCF</td>
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### NUVAY CONNECT WITH BRISTLE

<table>
<thead>
<tr>
<th>Combination</th>
<th>Bristle only</th>
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<tbody>
<tr>
<td>System</td>
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</tr>
<tr>
<td>10mm</td>
<td>10mm</td>
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</tr>
<tr>
<td>17mm</td>
<td>17mm</td>
<td>17mm</td>
</tr>
<tr>
<td>22mm</td>
<td>22mm</td>
<td>22mm</td>
</tr>
<tr>
<td>Depth to height of aluminium (mm)</td>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>Depth to height of insert (mm)</td>
<td>15</td>
<td>21</td>
</tr>
<tr>
<td>Distance between the profiles (mm)</td>
<td>6</td>
<td>6</td>
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<tr>
<td>Weight (kg/m²)</td>
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<td>17.1</td>
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<td>Max width per module (mm)</td>
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<tr>
<td>Max depth per module (mm)</td>
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<td>14</td>
</tr>
<tr>
<td>Max weight per module (kg)</td>
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<td></td>
</tr>
<tr>
<td>Max static load (kg/m²)</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>2 wheels, 80mm</td>
<td>20,000 passes</td>
</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>2 wheels, 80mm</td>
<td>20,000 passes</td>
</tr>
<tr>
<td>Fire behaviour</td>
<td>EN ISO 9239-1</td>
<td>Bfls1</td>
</tr>
<tr>
<td>Ramp frame</td>
<td>ARF 50</td>
<td>ARF 70</td>
</tr>
<tr>
<td>Material and manufacturing method</td>
<td>Anodised aluminium profiles with PVC connector profiles, stainless steel clips</td>
<td></td>
</tr>
<tr>
<td>Wiper design</td>
<td>Coral clean-off system</td>
<td></td>
</tr>
<tr>
<td>Wiper material</td>
<td>100% polyamide BCF</td>
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### NUVAY CONNECT WITH ULTRAGRIP SAFETY RUBBER

<table>
<thead>
<tr>
<th>Combination</th>
<th>Ultragrip safety rubber</th>
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<tr>
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<tr>
<td>10mm</td>
<td>10mm</td>
<td>10mm</td>
</tr>
<tr>
<td>17mm</td>
<td>17mm</td>
<td>17mm</td>
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<tr>
<td>22mm</td>
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<td>22mm</td>
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<tr>
<td>Depth to height of aluminium (mm)</td>
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</tr>
<tr>
<td>Depth to height of insert (mm)</td>
<td>10</td>
<td>16</td>
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<tr>
<td>Distance between the profiles (mm)</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Weight (kg/m²)</td>
<td>12</td>
<td>16.2</td>
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<tr>
<td>Max width per module (mm)</td>
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<td></td>
</tr>
<tr>
<td>Max depth per module (mm)</td>
<td>10</td>
<td>16</td>
</tr>
<tr>
<td>Max weight per module (kg)</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Max static load (kg/m²)</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>2 wheels, 80mm</td>
<td>20,000 passes</td>
</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>2 wheels, 80mm</td>
<td>20,000 passes</td>
</tr>
<tr>
<td>Fire behaviour</td>
<td>EN ISO 9239-1</td>
<td>Bfls1</td>
</tr>
<tr>
<td>Ramp frame</td>
<td>ARF 50</td>
<td>ARF 70</td>
</tr>
<tr>
<td>Material and manufacturing method</td>
<td>Anodised aluminium profiles with PVC connector profiles, stainless steel clips</td>
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<tr>
<td>Wiper design</td>
<td>Coarse rubber</td>
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<tr>
<td>Wiper material</td>
<td>Rubber</td>
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</tr>
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</table>

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

**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.

- 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.

**TOUGH, DURABLE AND STYLISH**

**Coral Classic colours available in Nuway Grid**

- 4701 | anthracite
- 4730 | raven black
- 5714 | shark grey
- 4753 | bright red
- 5721 | hurricane grey
- 4764 | taupe
- 5716 | masala brown
- 5722 | cornflower blue
- 4750 | warm black
- 5730 | vulcan black

**Coral Brush colours available in Nuway Grid**

- 4754 | tangerine
- 4755 | warm black
- 4774 | black grey
- 5221 | hickory grey
- 5230 | valcan black

**Ultragrip rubber insert**

- Carrier section

**Burford insert**

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

**Carrier Section**

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

**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).

**Height options**

- 12mm

**Construction of mat**

- CLOSED

**Grid with textile inserts**

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>coral Classic</th>
<th>coral Brush</th>
<th>Burford</th>
</tr>
</thead>
<tbody>
<tr>
<td>external/interior entrances</td>
<td>5 colours</td>
<td>5 colours</td>
<td>Slip resistant Ultragrip rubber</td>
</tr>
</tbody>
</table>

**Grid with Ultragrip rubber inserts**

**Carrier**

- Low lustre aluminium

**Height options**

- 12mm

**Construction of mat**

- CLOSED

**Guarantee**

- GUARANTEE 5 YEARS

**Where to use?**

- Very heavy traffic.

*For details on FESSIs please visit www.forbo-flooring.co.uk/FESSI

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22 Entrance Flooring Systems

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TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>12mm Grid</th>
<th>17mm Grid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum length per module</td>
<td>3000mm</td>
</tr>
<tr>
<td>Maximum width per module</td>
<td>750mm</td>
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<tr>
<td>Maximum weight per module</td>
<td>23kg</td>
</tr>
<tr>
<td>Depth to height of aluminium</td>
<td>12mm</td>
</tr>
<tr>
<td>Depth to height of infill</td>
<td>14mm</td>
</tr>
<tr>
<td>Infill material</td>
<td>Ultragrip rubber / Burford/Coral Classic / Coral Brush</td>
</tr>
<tr>
<td>Construction</td>
<td>Closed</td>
</tr>
<tr>
<td>Total weight (kg/m²)</td>
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<tr>
<td>Max static load (kg/cm²)</td>
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</tr>
<tr>
<td>Dynamic load (kg)</td>
<td>200</td>
</tr>
<tr>
<td>Ramp frame model</td>
<td>ANF 50</td>
</tr>
</tbody>
</table>

Pile material: N/A for both 12mm and 17mm grids.

Infill material: 100% polypropylene (Burford) and 100% polyamide (Coral) for both 12mm and 17mm grids.

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

CONSIDERATIONS

BS 8300 3.1090 Section 14.2 states that both natural and artificial sources of lighting should be designed to avoid creating glare, peaks 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 (a strobe effect) which should be prevented. To avoid disorienting 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 (Contact 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).
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 to see our extensive range of flooring products.

Alternatively, please visit ccs-agreements.cabinetoffice.gov.uk for up-to-date details or corrections to such contents.

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

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.

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.

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.

Please contact efs.flooring.uk@forbo.com
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
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.