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BARRIER MATTING SYSTEMS

PRIMARY, HYBRID AND SECONDARY MATTING

GRADUS

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GRADUS

GRADUS

Our products are installed in prestigious buildings in both UK and International markets. With customers ranging from designers & architects to contractors and building owners and with clients such as Marks & Spencer, Virgin and BMW you can trust Gradus to provide products that work.



The Gherkin, London, England



Hong Kong International Airport



Royal Caribbean Cruise Ship



Burj Al Arab, Dubai, UAE



Wembley Stadium, London, England



Marina Bay Sands Resort, Singapore



The Christie, Manchester, England



Eiffel Tower, Paris, France

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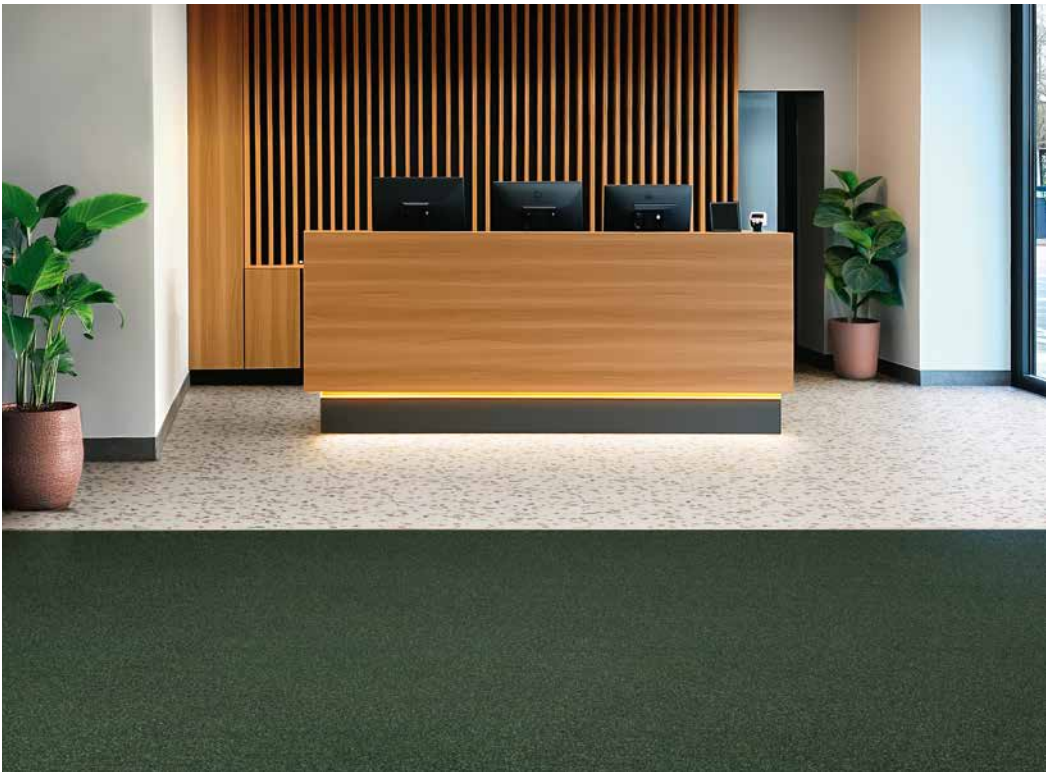
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UPDATED

Boulevard 6000 & 5000 Secondary Barrier Matting

The refreshed secondary barrier matting ranges are now available in a range of new colours to complement various environments. Manufactured from 100% recycled ECONYL® regenerated solution dyed nylon yarn, the ranges feature scraper fibres that are designed to effectively capture dirt and moisture. This functionality not only reduces the risk of slips but also prolongs the lifespan of adjacent flooring.



New Boulevard 5000 colour options



Mallard



Finch



Kingfisher

New Boulevard 6000 colour options



Spruce



Copper



Storm

Esplanade 6000



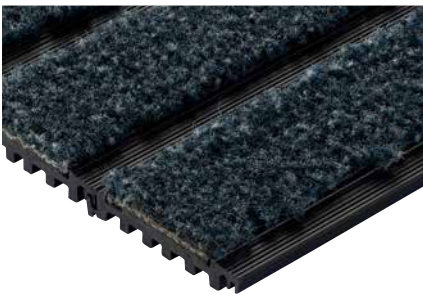
- > Image shown with Boulevard 6000 Copper wiper & Dark Bronze Anodised base
- > Primary barrier matting
- > Also available with new Spruce & Storm Boulevard 6000 wipers
- > Aluminium base options include Mill Finish, Light Bronze, Mid Bronze & Dark Bronze Anodised

Esplanade 5000



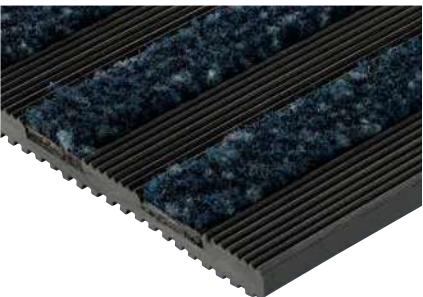
- > Image shown with Boulevard 5000 Mallard wiper & Light Bronze Anodised base
- > Primary barrier matting
- > Also available with new Finch & Kingfisher Boulevard 5000 wipers
- > Aluminium base options include Mill Finish, Light Bronze, Mid Bronze & Dark Bronze Anodised

Mat-in-a-Box® 6000 & 5000



- > Image shown with Boulevard 5000 Kingfisher wiper
- > Hybrid modular barrier matting
- > Also available with new Boulevard 6000 & 5000 wipers
- > PVC-u base options include Black & Glacier (Grey)

Access® 6000 & 5000



- > Image shown with Boulevard 6000 Storm wiper
- > Hybrid barrier matting
- > Also available with new Boulevard 6000 & 5000 wipers
- > Rubber base options include Black & Grey

Why Gradus

Gradus offers an extensive range of entrance matting systems, providing an effective barrier against dirt and moisture at entrances, access points and circulation areas.

Correct specification helps to reduce slip accidents, increase the lifespan of surrounding floorcoverings and reduce cleaning and maintenance costs.

All our products are designed to ensure the correct balance between safety, performance and aesthetics and are suitable for a wide variety of contract applications.



Gradus Springbank - Manufacturing plant for our barrier matting products situated in Macclesfield Cheshire UK

Quality

- > All matting products are warranted against material and manufacturing defects under normal use and service, subject to materials being installed and maintained to Gradus recommendations. Warranty details can be found on individual product pages and on the charts on pages 22-23, 57 and 69. Additional terms & conditions apply - details available upon request.
- > ISO 9001 Quality Management accredited company.
- > ISO 45001 Occupational Health & Safety.

Service

- > **Distribution Network** – We deliver to the majority of distributors using our own fleet of vehicles, ensuring we provide a service which is reliable and on time.
- > **Fabrication Service** – When projects aren't straightforward, we can help customise many of our products to ensure a solution that fits.
- > **FREE Samples** – Call Gradus or build a design board online and get all the samples you need. We aim to despatch within 24 hours.



Design

- > **Safety** – Matting helps to reduce slips, trips and falls caused by wet flooring in line with the latest guidelines.
- > **Performance** – Extensive research and testing ensures durability and appearance retention throughout a product's life.
- > **Aesthetics** – Primary barrier mats can be manufactured to shapes and sizes to complement floor plans of entrances to buildings.
- > In-house product design and development.
- > We have a firm set of environmental objectives allowing us to focus on raw material selection, legislation, waste reduction, training and recycling. See pages 10-13.
- > ISO 14001 Environmental Management System.

REACH

- > **REACH** – Stands for Registration, Evaluation, Authorisation and Restriction of Chemicals. As of 1 January 2021 the UK REACH and the EU REACH regulations operate independently from each other.
- > Gradus products do not contain any substances currently classified as Substances of Very High Concern (SVHC) at a concentration greater than 0.1% as declared against both the EU and UK Candidate Lists.
- > If you have any specific concerns regarding the composition of a particular product, contact Gradus Technical Support.



Why Gradus



RIBA assessed CPD seminars



Knowledge

- > **RIBA Assessed CPD Seminars** – Gradus is one of the original members of the RIBA CPD Providers Network and currently offers a full range of RIBA assessed and approved CPD seminars covering specification, legislation, safety, performance and aesthetics:
 - The Specification & Design Considerations of Barrier Matting Systems
 - The Specification & Design Considerations of Stair Edgings
 - The Specification & Design Considerations of Wall, Corner & Door Protection Systems
- All seminars are part of the RIBA core curriculum syllabus and earn double CPD points for those attending the seminars. For further information contact Gradus Technical Support on 01625 428922 or use the Contact Us form on our website.
- > **Lunch & Learn** – An informal opportunity for Gradus to bring an exhibition of products directly to you. Flexible and informative, food will be provided and they can be arranged at a date and time to suit you.

- > **NBS Source Partner** – Find, select and specify Gradus products with ease using NBS Source. Product data is available in a standardised NBS specification format for all products, accompanied by literature downloads and case studies.
- > **Technical Support** – A dedicated team is on hand to assist with product selection, sampling and much more. Call today on 01625 428922.
- > **Trained Specification Consultants** – A network of Gradus specification consultants are located across the UK and Ireland to support with new and ongoing projects.
- > **Member of the Contract Flooring Association (CFA)** – Gradus supports the work of the CFA, an established and well-respected industry body, representing the contract flooring sector in the UK.
- > **Core Member of Carpet Recycling UK**
- > **DSDC Accreditation** – The Dementia Services Development Centre have undertaken a review of Boulevard 5000, and have rated the design and usability within a dementia-inclusive environment. Look out for the DSDC logo or refer to pages 96-97 for more details.



Manufacturing & Installation Service

Experts in contract interior solutions

Gradus is a large UK manufacturer of Entrance Barrier Matting products and has been manufacturing contract interior products for over 50 years.



Manufacturing

Gradus controls the design of profiles from initial concept through to finished product, including specialist CAD design and the manufacture of tooling. This ensures that quality is maintained and provides customers with an efficient, flexible and fast service.



- > All Gradus barrier matting systems are manufactured to the highest standards using only the best materials available
- > Meet the requirements of the application for which they are intended
- > Extensively tested to give superior performance throughout their life
- > Dedicated UK manufacturing facility allows flexibility and the ability to respond to customer needs, ensuring the right product is delivered every time
- > Manufactured to ISO 9001, all Gradus products are supported by the dedicated technical support service
- > Most products can be pre-shaped in the factory (subject to approval of a suitable template) and delivered for an 'easy fit' on-site

Project Management & Installation

Gradus has built strong brand values around its product offer of quality, design, service and expertise to ensure peace of mind for all customers. These brand values have been embedded into our team ensuring product installations maintain the same high standards recognised by all Gradus customers.



- > Gradus can offer a complete supply and fit package, ensuring a convenient and reliable service throughout the specification, survey and installation process
- > All types of installation, including the most complex shapes and fabrications, can be undertaken by expert installation teams
- > Covers all aspects of the installation including matwell repair, templating, shaping on-site, installation and handover
- > Gradus Contracts manages the entire process to tailor the order to specific customer requirements
- > To take advantage of the Supply and Fit Service, contact Gradus' specification consultants who will undertake an evaluation of the requirements from which a detailed quotation can be prepared.

5 Day Manufacturing Service

Available for Esplanade 9000, Esplanade 8500, Esplanade 6000, Esplanade 5000, Esplanade 1500, Esplanade 1000, Topguard, Tyreguard, Access 6000, Access 5000, Mat-in-a-Box 6000 & Mat-in-a-Box 5000 on all orders up to 20m²



Please note the following exclusions/conditions apply:

1. 5 day matting service refers to the production time for manufacture i.e. goods will be available for dispatch within 5 working days
2. 5 day lead time applies upon receipt of purchase order and all information required to commence manufacture
3. Delivery times vary and in some circumstances will incur a charge
4. Excludes shaped and/or logo mats
5. 5 day manufacturing lead time is subject to stock availability
6. Aluminium, Mill Finish Aluminium and Silver Anodised Aluminium only. Excludes Brass and Bronze / Black Anodised Aluminium Finishes



Our Commitment to the Planet

Our values guide our actions

In every aspect of our activities, we take responsibility for the environment and pledge to meet our present business needs without compromising our long-term future environment.

Protecting buildings

Barrier matting systems prevent damage to floorcoverings caused by everyday wear and tear. This can extend the lifespan of surrounding floorcoverings and reduce the frequency of repairs.

Frequent repairs are often time consuming, costly, and disruptive, especially where floorcoverings need to be removed or replaced. Any repairs are also likely to require the use of extra resources such as adhesives. Lower amounts of repair and maintenance can result in a reduction in operational carbon emissions for many businesses.

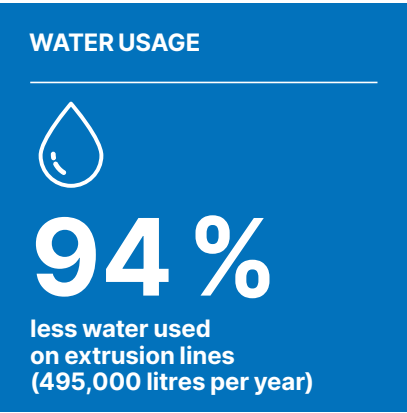


Limit our water consumption

In the interests of resource management, we set up actions to reduce our water consumption. This includes the setting of efficient closed-circuit cooling systems.

Water Usage

Our closed loop water system installed on all our extrusion production lines saves approximately 495,000 litres of water per year.



The Benefits of Econyl®

What is it?

ECONYL® Regenerated Solution Dyed Nylon is produced using nylon waste which is recovered from oceans and landfill. Waste such as fishing nets, fabric scraps, carpet and industrial plastic is recovered, sorted and cleaned. Through a regeneration and purification process, the nylon waste is recycled back into its original purity. ECONYL® Regenerated Solution Dyed Nylon is processed into carpet yarn and used to manufacture several of our matting ranges.



Did you know?

ECONYL® is produced using nylon waste which is recovered from oceans and landfill



Recycling: Part of our DNA

Waste Management & Reduction

All the Gradus waste streams are removed by Registered Waste Carriers. Dry Mixed Recycling (paper, cardboard, polythene, cans etc) collection points have been set up across all sites. This cleaner waste material is diverted from landfill. Since 2020, we have reduced our general waste by 50%.

Wooden pallet usage has been reduced from 15,215 in 2017 to 9,500 in 2023 which equals a 37% reduction. A simple but effective initiative of reusing unwanted supplier pallets from our carpet manufacturing facility for customer orders in our matting department has massively impacted this reduction.

All our non-recyclable waste is diverted from landfill by Biffa Ltd, Alwin Ltd and Elsa Waste Ltd and sent for incineration. Overall Gradus has reduced skip removal by 36% since 2020 with a focus on recycling rather than landfill.



PVC WASTE

63%

total pvc waste reduction in past 12 years

PVC waste reduction

- > **34%** reduction in overall waste created from production of PVC components or products since 2020
- > **1,487 tons** of process waste reused since 2012
- > **446,044 Kgs** of PVC waste recycled into reusable pellets for 3rd party products such as traffic cones

ALUMINIUM WASTE

12 %

total aluminium waste reduction in past 12 years

Aluminium waste reduction

- > **677 tons** of aluminium recycled since 2012
- > **40%** increase in aluminium recycled between 2020 and 2023
- > **44%** reduction in contaminated aluminium since 2012 making recycling easier
- > **70%** is the average amount of recycled material that the aluminium we purchase contains

2025 GOALS

20 %

increased use of recycled PVC

RECYCLING

Gradus makes every effort to conserve the use of materials and minimise the quantity of waste generated. We maximise the recycling ability of all waste materials that we generate. We also take into consideration the environmental impacts of new product development processes and new products are developed with recyclability as a key factor.

Why use barrier matting?

✓ Increase public safety

According to the Health & Safety Executive, 90% of slip accidents in public buildings occur on wet floors.

An effective matting system can reduce the amount of dirt and moisture tracked into a building by up to 90%, helping to reduce such slip accidents.

✓ Remove dirt & moisture

More than 70% of dirt and moisture in buildings is tracked in by pedestrian and wheeled traffic.

An effective matting system removes and retains dirt and moisture, improving the appearance of internal floorcoverings and preventing unnecessary replacements.

✓ Reduce maintenance costs

On-going cleaning & maintenance is the largest cost in the lifecycle of any floorcovering. An effective entrance mat will reduce the amount of dirt that is tracked into a building therefore reducing maintenance costs, a buildings operational carbon and increase the life of a building's floorcoverings.

Follow our 3 step guide to selecting the correct barrier matting, see pages 15-17

Step 1

Choose the correct application

Volume & type of traffic

The volume of foot traffic, as well as the frequency and load weight of wheeled traffic will determine the type of mat required.

Consider the number of times a person may enter and leave a building in one day e.g. break times, start and end of day etc

Foot Traffic

More than 5,000 crossings per day



Heavy

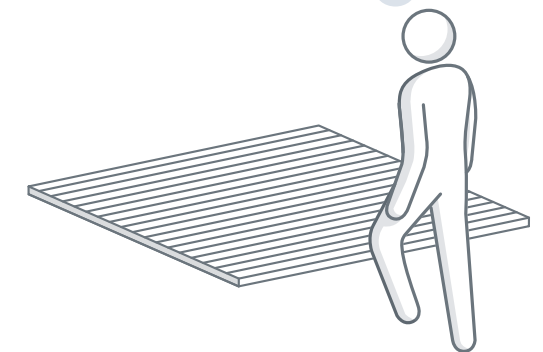
Examples:
> Railway station
> Stadiums
> Airports
> Shopping centres
> Large hospitals
> Supermarkets
> Department stores

More than 500 crossings per day



Medium

Examples:
> Offices
> Hospitals
> Schools
> High street shops
> Hotels



Typical types of wheeled traffic

Note:
Illustrations are guidelines only.
See product selection guides on pages 22-23 and 57 for further information



Severe
250kg

Examples:
> Forklift truck
> Cherry picker



Heavy
150kg

Examples:
> Pallet truck
> Retail cage



Medium
100kg

Examples:
> Shopping trolley
> Box truck
> Baggage trolley



Light
50kg

Examples:
> Wheelchair
> Suitcase
> Shopping trolley

The weights shown are per wheel. See notes on product selection guide on pages 22-23 and 57 for more information.

Other factors to consider:

- > Consider the environment immediately outside the building as this can affect the type, length (going) and performance of mat you select e.g. adjacent to turf area, exposed entrance, entrance protected by canopy etc.
- > Different entrances in a building may have different types and volumes of traffic, therefore more than one matting solution may be required in a building e.g. main and secondary entrances or main and service entrances.
- > When specifying aluminium entrance mats consideration should be given to the type and amount of lighting and/or glass atriums as this may lead to visual distortion or strobing in certain circumstances. To minimise this effect avoid combining silver or mill finish aluminium with dark wipers. In some circumstances, black anodised aluminium and black wipers can be combined to minimise this effect.

Step 2

Choose the correct type and performance

Type of matting - Primary, hybrid or secondary

Primary Barrier Matting - the first point of contact, used both externally and internally dependent on wiper type and application. Available in a choice of thicknesses to suit matwell depth, or for surface mounting. (See zones 1 & 2 on pages 18-19 for more information). Primary barrier matting is usually supplied as a made to measure solution.

Hybrid Barrier Matting - the first point of contact, used internally. Available in a choice of thicknesses to suit matwell depth or for surface mounting. (See zone 2 on page 19 for more information). Hybrid barrier matting is modular, easy to install solution and usually cut to fit on-site.

Secondary Barrier Matting - is made from high performance textiles and is often used in conjunction with a primary or hybrid mat to provide additional performance. Secondary barrier matting can be used as a stand-alone solution in some circumstances as well as in other areas of a building such as circulation areas. (See zones 3 & 4 on page 19 for more information)

Type of matting - Open or closed construction

Open Construction - (Fig.1) incorporates spaces between rails, allowing dirt and moisture to fall through in to the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.

Closed Construction - (Fig.2) no spaces between rails so dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.

Open Construction

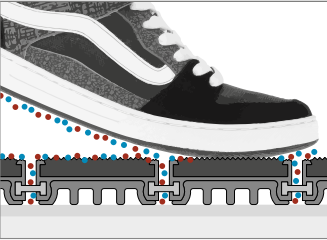


Fig.1 - Linking strips are interspersed with holes

Closed Construction

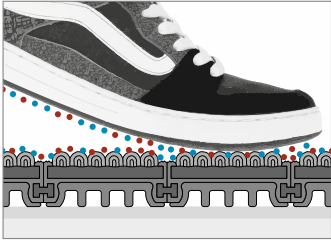


Fig.2 - Dirt and moisture remain on the surface

Performance of matting - Wiper options

The amount and type of wiper will affect the level of dirt and moisture that is removed from foot and wheeled traffic.

Moisture & dirt removal	Wiper options	
	Single wiper	Double wiper
High	Esplanade 6000, Esplanade 5000, Access 6000, Access 5000, Mat-in-a-Box 6000 & Mat-in-a-Box 5000	Esplanade 9000, Esplanade 8500, Topguard & Tyreguard
Medium	Esplanade 9000, Esplanade 8500, Topguard, Tyreguard, Esplanade 1500, Esplanade 1000 & Mat-in-a-Box 1550	-

Note:
Plain / pvc wipers provide a scraping action only.
See product selection chart on pages 22-23 and 57 and individual product pages for further information.

Step 3

Select the correct amount

Width and length of matting

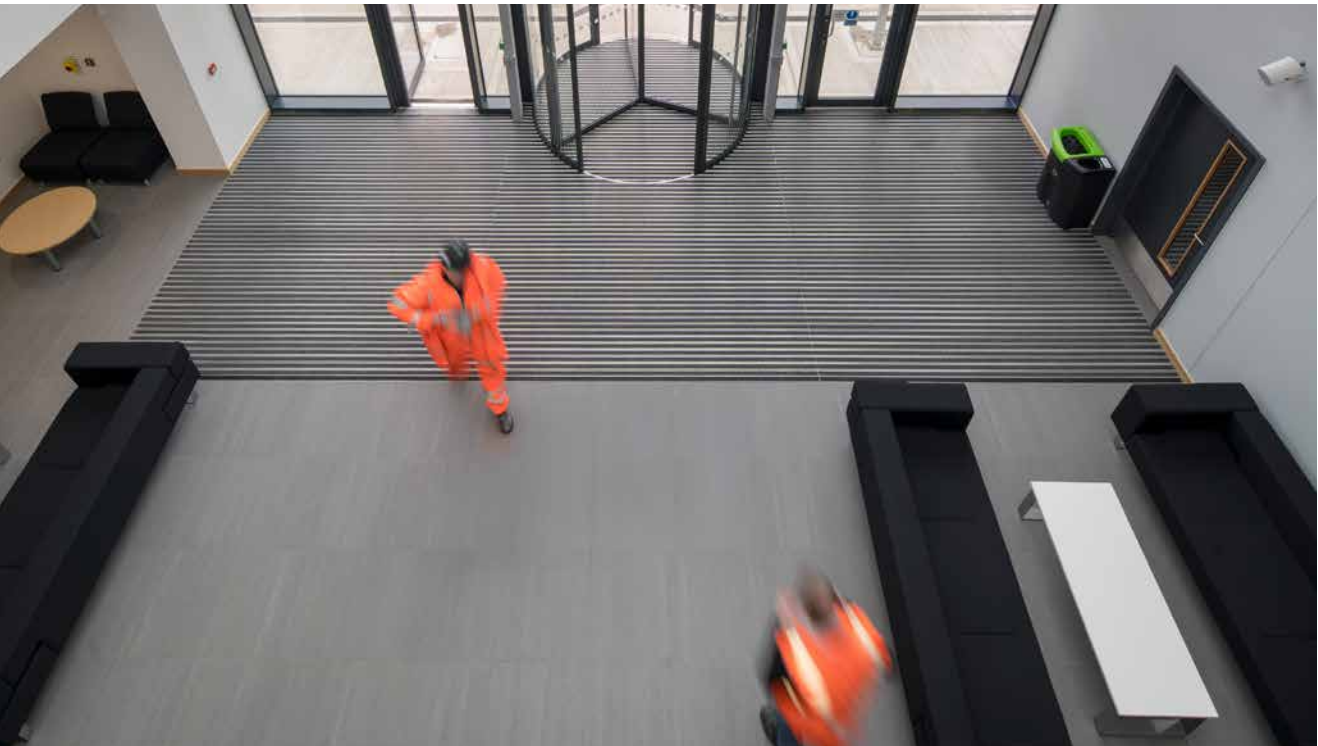
Width - matting should cover the entire entrance of a building, including side entrances so that traffic cannot enter without passing over the mat.

Length (Going) - critical to the function of the mat the length will vary dependent on the volume of traffic crossing the mat along with consideration to peak times of traffic flow.

HSL (Health & Safety Laboratory) and EFSA (Entrance Flooring Systems Association) have provided the following guidance based on peak flow rates per hour. For more information see page 92.

Applications	People per hour	Minimum length
Low	78	3-4 metres
Medium	400	6-7 metres
High	800	8-10 metres

Note:
It is not always possible to fit the correct amount of primary barrier matting - in these circumstances extending the amount of matting by using a secondary barrier mat will provide an ideal solution.



For more information on specifying the correct entrance barrier mat and for information on the guidance contained in Building Standards and British Standards please refer to specification guidelines on pages 93-94.

Gradus are able to provide a full consultation and advice service on selecting the correct barrier matting system - please call Technical Support on 01625 428922 to arrange a face to face meeting with a specification expert.

Where to use barrier matting

An effective barrier matting system, when correctly specified, will help to minimise the risk of slip accidents caused by wet flooring and lower maintenance costs by significantly reducing the amount of dirt and moisture tracked into a building. Barrier matting can not only be used at a building's entrance and access points but also in other areas that are subject to increased risk of soiling and heavy wear. In many cases the optimum performance is achieved by combining different types of barrier matting.

The illustration below is designed to act as a guide to show some of the areas of a building that are at risk. These are divided into zones, which are referred to throughout the catalogue.



Zone 1 - Exterior Entrances & Access Points

Products:	Page	Primary Barrier Matting
Esplanade 9000	24	> Removes excess dirt prior to entering a building using a scraper wiper
Esplanade 8500	28	
Esplanade 6000	32	> Increases the effectiveness of internal primary, hybrid and secondary matting
Esplanade 5000	36	
Esplanade 1500	40	
Esplanade 1000	44	
Tyreguard	52	> Ideal in heavy traffic areas

Zone 2 - Interior Entrances & Access Points

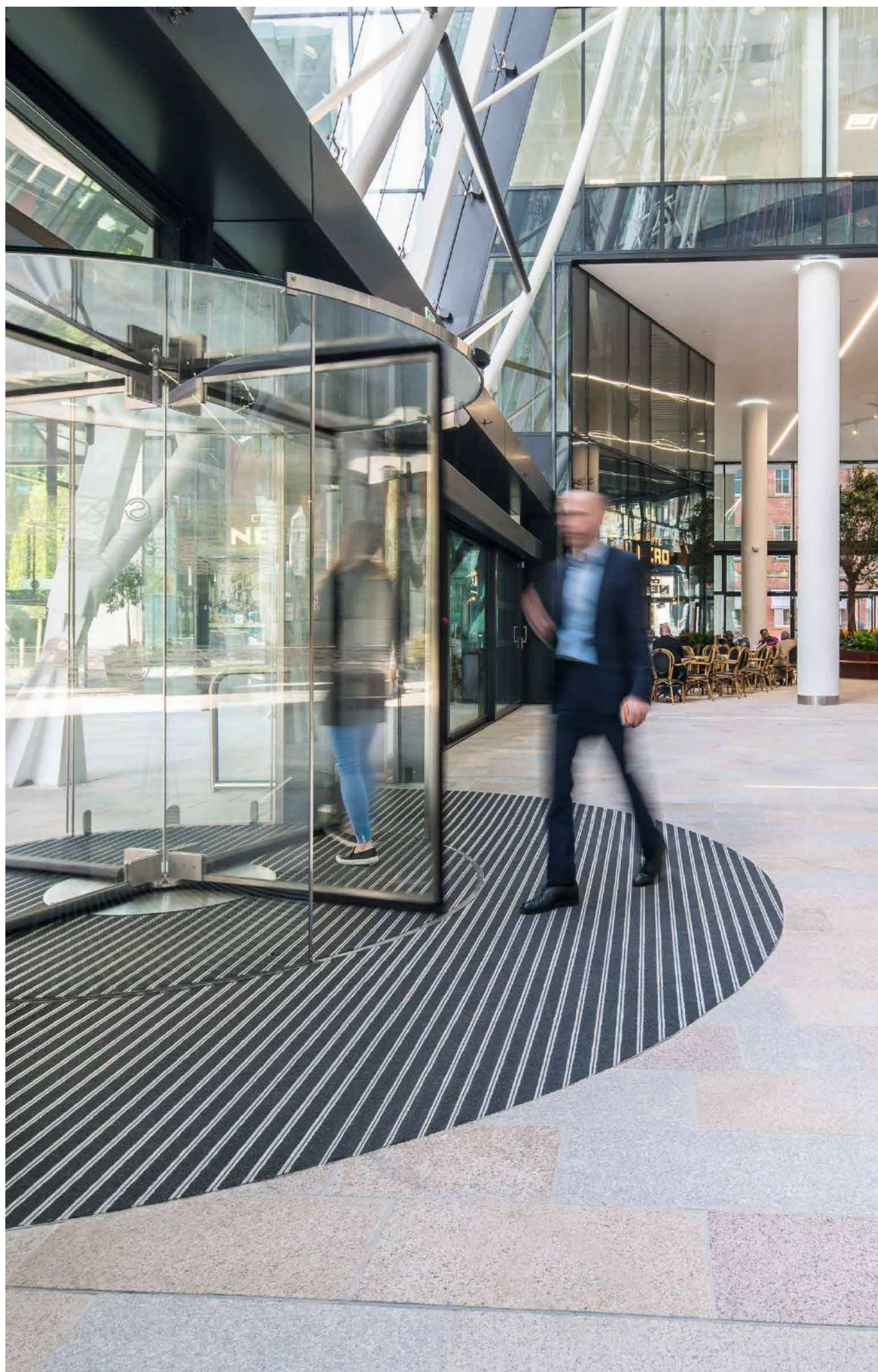
Products:	Page	Primary Barrier Matting & Hybrid Barrier Matting
Esplanade 9000	24	> Removes and retains dirt and moisture to prevent ingress to adjacent floorcoverings through a combination of scraper and textile wipers
Esplanade 8500	28	
Esplanade 6000	32	> Available with a choice of wipers that offer excellent appearance retention when cleaned in accordance with Gradus recommendations
Esplanade 5000	36	
Esplanade 1500	40	> Available in a choice of open and closed construction and in different gauges to suit both recessed and surface mounted options
Esplanade 1000	44	
Topguard	48	> Available to suit varying types and volumes of traffic
Tyreguard	52	
Mat-in-a-Box 6000 & 5000	58	
Mat-in-a-Box 1550	61	
Access 6000 & 5000	64	

Zone 4 - Other Areas

Products:	Page	Secondary Barrier Matting
Boulevard Stripe	70	> Removes and retains dirt and moisture to prevent ingress to adjacent floorcoverings
Boulevard 7000	72	
Boulevard 6000	74	> Ideal for use in internal areas subject to a risk of spillage and soiling such as canteen / vending areas or breakout areas within an office environment
Esplanade 5000	76	
Boulevard 1500	78	> Products are produced from high performance fibres that are suited to intense cleaning to ensure long life appearance retention. All products carry the additional protection of a wear warranty

Zone 3 - Interior Circulation Areas and Some Interior Entrances & Access Points

Products:	Page	Secondary Barrier Matting
Boulevard Stripe	70	> Removes and retains dirt and moisture to prevent ingress to adjacent floorcoverings
Boulevard 7000	72	
Boulevard 6000	74	> Often used in conjunction with Zone 2 primary and hybrid entrance mats to create additional protection for surrounding floorcoverings. Can, in some circumstances, be used as stand alone entrance barrier matting
Esplanade 5000	76	
Boulevard 1500	78	> Ideal for use in areas of heavy traffic and heavy wear such as staircases, reception areas, lift lobbies and internal entrances such as factory to office areas etc. Note: Boulevard Stripe and Boulevard 7000 are not recommended for use on staircases
		> Offers excellent appearance retention properties when cleaned in accordance with Gradus recommended cleaning methods. All products carry the additional protection of a wear warranty
		> Boulevard 6000 & Boulevard 5000 are available in a choice of sheet or tile options



Section 1

Primary Barrier Matting

A collection of barrier matting products ideal for use at both internal and external entrance and access points. Products are available in a choice of formats to suit varying types and volumes of traffic.

Primary barrier matting is often used in conjunction with a secondary barrier mat to provide a total matting solution.

Product Selection Guide

Primary Barrier Matting

											Wiper options - see page 16								
Product	Finish	Page	Where to use barrier matting see pages 18-19		Foot traffic		Wheeled traffic ¹ Per wheel				Moisture & dirt removal			Plain / Pvc Scraper action only	Construction see page 16			Typical applications ³	Warranty ²
			Zone 1 Plain/pvc wiper	Zone 2 Textile wiper	Heavy	Medium	Severe 250kg	Heavy 150kg	Medium 100kg		Single		Double						
											High	Medium	High						
Esplanade 9000	Mill finish aluminium	24	●	●	●		●					●	●	●	●	●		Airports, railway stations, supermarkets with heavy wheeled traffic	10 Years
Esplanade 8500	Silver anodised aluminium	28		●	●			●				●	●		●	●		Airports, railway stations, supermarkets & sports stadiums	10 Years
	Black and bronze anodised aluminium ⁴	28		●		●			●			●	●		●	●		Large hospitals, offices, schools & department stores	7 Years
	Mill finish aluminium	28	●		●			●						●	●	●		Airports, railway stations, supermarkets & sports stadiums	10 Years
Topguard	Mill finish aluminium and brass	48		●	●			●				●	●		●	●		Airports, railway stations, supermarkets & sports stadiums	10 Years
Tyreguard	Mill finish aluminium	52	●	●	●			●				●	●	●	●	●		Airports, railway stations, supermarkets & sports stadiums	10 Years
Esplanade 6000	Mill finish aluminium	32	●	●	●			● Closed construction	● Open construction		●			●	●	●		Large hospitals, offices, schools & department stores	10 Years
	Bronze anodised aluminium ⁴	32		●		●			●		●				●	●		Large hospitals, offices, schools & department stores	7 Years
Esplanade 5000	Mill finish aluminium	36	●	●	●			● Closed construction	● Open construction		●			●	●	●		Large hospitals, offices, schools & department stores	10 Years
	Bronze anodised aluminium ⁴	36		●		●			●		●				●	●		Large hospitals, offices, schools & department stores	7 Years
Esplanade 1500	Mill finish aluminium	40	●	●		●			●			●		●	●	●		Schools, offices & high street shops	10 Years
Esplanade 1000	Mill finish aluminium	44	●	●		●			●			●		●	●			Schools, offices & high street shops	5 Years

Notes:

¹ All primary entrance barrier mats are independently tested to the weights specified using a four wheeled trolley with fixed 150 × 45mm hard rubber wheels to a minimum of 30,000 passes. eg 250kg per wheel = 1000kg over 4 wheels

² Manufacturing and material defects warranty. Warranty is subject to type of application, installation and on-going cleaning & maintenance being in accordance with Gradus recommendations. Additional terms & conditions apply - details available upon request.

³ Typical applications are a guide only. Attention should be paid to the performance characteristics of each mat type in conjunction with an assessment of the requirements of the particular application.

⁴ Anodised finishes provide an aesthetic solution and may help reduce visual distortion when used in brightly lit areas and / or glass atriums.

Esplanade 9000

Primary Barrier Matting

Esplanade 9000 is made with aluminium scraper linking strips and rubber wipers connected by steel wires. The wipers come in plain rubber for exterior use or woven with grey polyester fibres for interior use. When installed as a true rectangle or square, it can be reversed to extend its life. For a complete matting solution, it can be used with Boulevard secondary barrier matting.

- Zones 1 & 2**
- > Exterior & Interior Entrances & Access Points
- Typical application**
- > Airports, railway stations, supermarkets with heavy wheeled traffic



Esplanade 9000 : Closed Construction

Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



- Typical example:
- > Closed construction
 - > 18mm aluminium scraper linking strips
 - > Single grey textile wiper

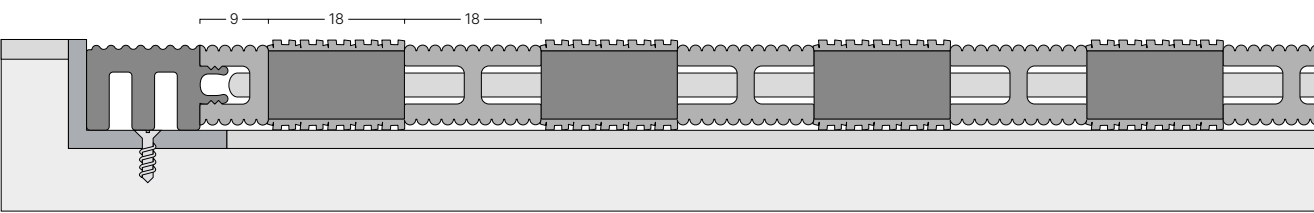


- Typical example:
- > Closed construction
 - > 12mm aluminium scraper linking strips
 - > Double plain rubber wiper

Product information	Closed construction	
	Aluminium scraper linking strips	
	Single wiper	Double wiper
12mm gauge		
18mm gauge		
Zone	Exterior & Interior	Exterior & Interior
Foot traffic	Heavy	Heavy
Wheeled traffic	Severe 250kg	Severe 250kg
Moisture & dirt removal	Medium	High
Warranty	10 Years	10 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 27

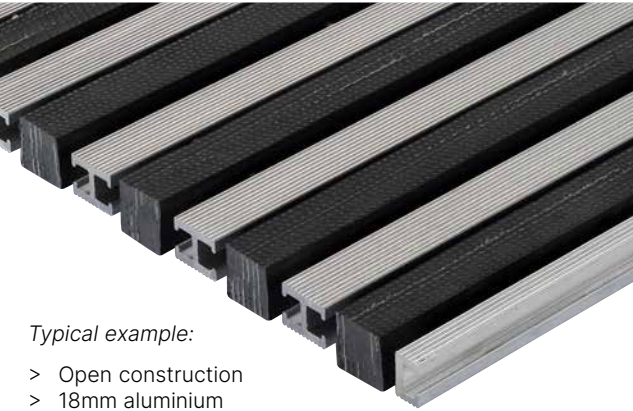
Note: 3m maximum width (left to right)



Typical installation example: Interior entrance, closed construction, 12mm aluminium scraper linking strips, single grey textile wiper, ESP8512ES edging strip with UMFA12 recessed frame

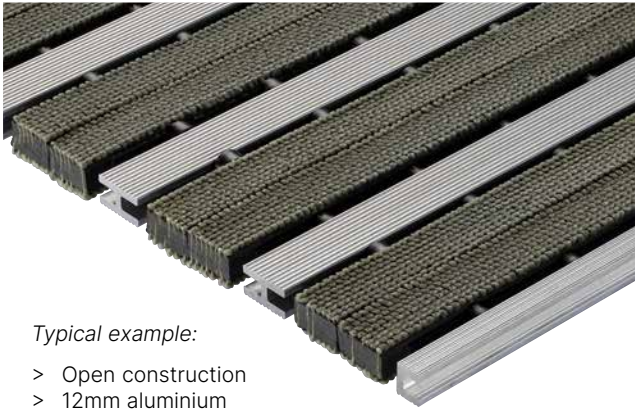
Esplanade 9000 : Open Construction

Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



Typical example:

- > Open construction
- > 18mm aluminium scraper linking strips
- > Single plain rubber wiper



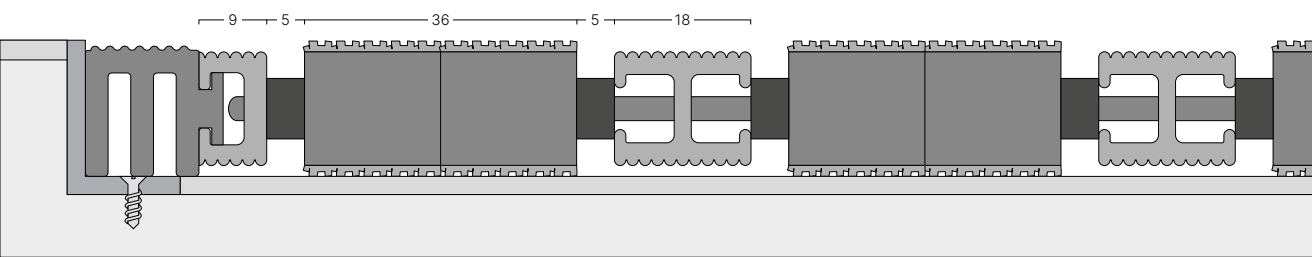
Typical example:

- > Open construction
- > 12mm aluminium scraper linking strips
- > Double grey textile wiper

Product information	Open construction (5mm)	
	Aluminium scraper linking strips	
	Single wiper	Double wiper
12mm gauge		
18mm gauge		
Zone	Exterior & Interior	Exterior & Interior
Foot traffic	Heavy	Heavy
Wheeled traffic	Severe 250kg	Severe 250kg
Moisture & dirt removal	Medium	High
Warranty	10 Years	10 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 27

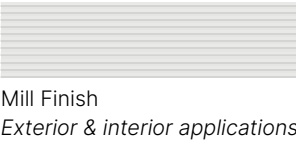
Note: 3m maximum width (left to right)



Typical installation example: Exterior entrance, open construction, 18mm aluminium scraper linking strips, double grey textile wiper, ESP8518ES edging strip with UMFA18 recessed frame

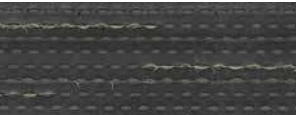
Esplanade 9000 : Specification

Aluminium scraper linking strip option



Mill Finish
Exterior & interior applications

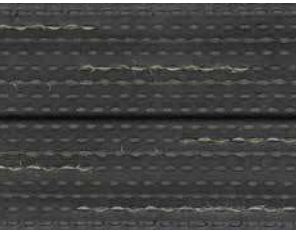
Wiper options



Plain rubber (single)
Exterior applications



Grey textile (single)
Interior applications



Plain rubber (double)
Exterior applications



Grey textile (double)
Interior applications

Product specification	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Cfl-s2
Warranty	10 years
Reversible	Can be reversed when installed as a true rectangle or a square
Components	Supplied with edging strips and divider bars see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Esplanade 9000 product offer

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm



Esplanade 8500

Primary Barrier Matting

Esplanade 8500 is made with aluminium scraper linking strips and rubber wipers connected by steel wires. The wipers come in plain rubber for exterior use or woven with grey or black polyester fibres for interior use. Aluminium scraper linking strips are available in various finishes to reduce glare: mill finish for exterior use, silver anodised for interior use, and black or bronze anodised for interior use. When installed as a true rectangle or square, it can be reversed to extend its life. It can also be used with Boulevard secondary barrier matting.

- Zones 1 & 2**
 - > Exterior & Interior Entrances & Access Points
- Typical applications**
 - > Airports, railway stations, supermarkets & sports stadiums



Esplanade 8500 : Closed Construction

Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



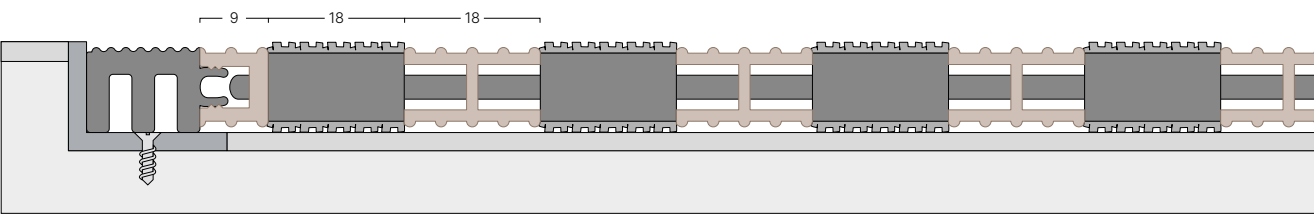
- Typical example:
- > Closed construction
 - > 12mm mill finish aluminium scraper linking strips
 - > Double plain rubber wiper



- Typical example:
- > Closed construction
 - > 18mm mid bronze anodised scraper linking strips
 - > Single grey textile wiper

Product information	Closed construction			
	Mill & silver anodised scraper linking strips		Black & bronze anodised scraper linking strips	
	Single wiper	Double wiper	Single wiper	Double wiper
12mm gauge				
18mm gauge				
Zone	Exterior & Interior	Exterior & Interior	Interior	Interior
Foot traffic	Heavy	Heavy	Medium	Medium
Wheeled traffic	Heavy 150kg	Heavy 150kg	Medium 100kg	Medium 100kg
Moisture & dirt removal	Medium	High	Medium	High
Warranty	10 Years	10 Years	7 Years	7 Years

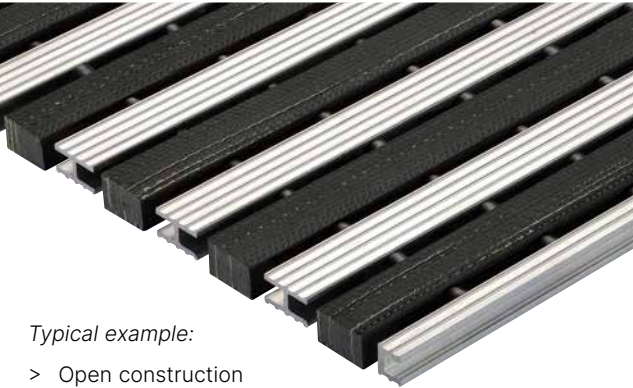
Primary matting product selection guide - see pages 18-19. Colour options - see page 31
 Note: 3m maximum width (left to right)



Typical installation example: Interior entrance, closed construction, 12mm bronze anodised scraper linking strips, single grey textile wiper, ESP8512ES edging strip with UMFA12 recessed frame

Esplanade 8500 : Open Construction

Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



Typical example:

- > Open construction
- > 12mm mill finish aluminium scraper linking strips
- > Single plain rubber wiper



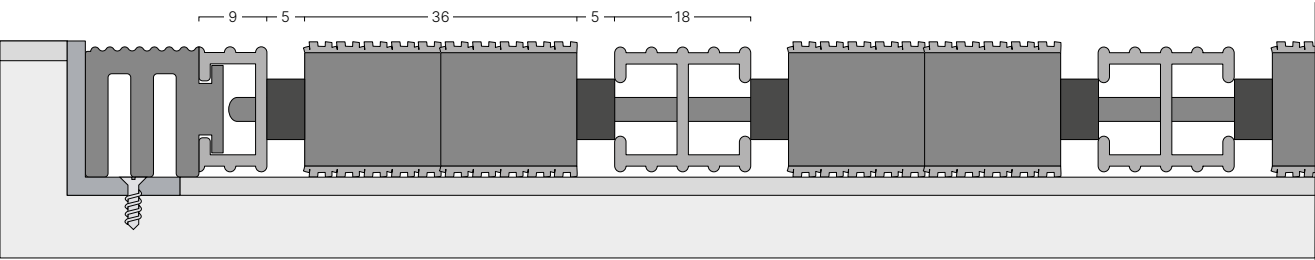
Typical example:

- > Open construction
- > 18mm silver anodised aluminium scraper linking strips
- > Double grey textile wiper

Product information	Open construction (5mm)			
	Mill & silver anodised scraper linking strips		Black & bronze anodised scraper linking strips	
	Single wiper	Double wiper	Single wiper	Double wiper
12mm gauge				
18mm gauge				
Zone	Exterior & Interior	Exterior & Interior	Interior	Interior
Foot traffic	Heavy	Heavy	Medium	Medium
Wheeled traffic	Heavy 150kg	Heavy 150kg	Medium 100kg	Medium 100kg
Moisture & dirt removal	Medium	High	Medium	High
Warranty	10 Years	10 Years	7 Years	7 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 31

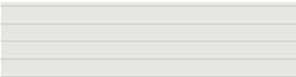
Note: 3m maximum width (left to right)



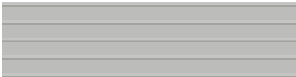
Typical installation example: Exterior entrance, open construction, 18mm aluminium scraper linking strips, double grey textile wiper, ESP8518ES edging strip with UMFA18 recessed frame

Esplanade 8500 : Specification

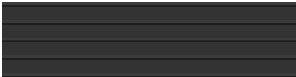
Aluminium scraper linking strip options



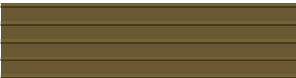
Mill Finish
Exterior applications



Silver Anodised
Interior applications



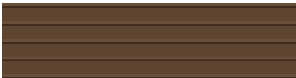
Black Anodised
Interior applications



Light Bronze Anodised
Interior applications

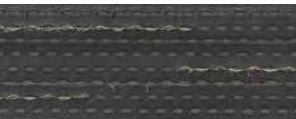


Mid Bronze Anodised
Interior applications



Dark Bronze Anodised
Interior applications

Wiper options



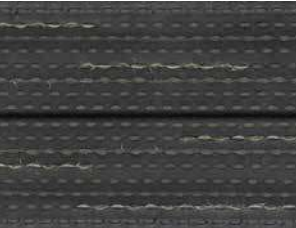
Plain rubber (single)
Exterior applications



Black textile (single)
Interior applications



Grey textile (single)
Interior applications



Plain rubber (double)
Exterior applications



Black textile (double)
Interior applications



Grey textile (double)
Interior applications

Note: Black textile wipers only available with black or bronze anodised aluminium scraper linking strips to reduce glare/strobing in brightly lit areas.

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Cfl-s2
Warranty	10 years (silver anodised & mill finish aluminium), 7 years (black and bronze anodised aluminium)
Reversible	Can be reversed when installed as a true rectangle or a square
Components	Supplied with edging strips and divider bars see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Esplanade 8500 product offer

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm

NBS Source
PARTNER

Esplanade 6000

Primary Barrier Matting

UPDATED

Esplanade 6000 is made with an aluminium base and wipers connected by pvc linking strips. The wipers come in pvc for exterior use or Boulevard 6000 textile wipers for interior use, made from 100% recycled ECONYL® solution dyed nylon yarn in eight colours. The aluminium base is supported by pvc bridging strips for extra strength and come in various finishes: mill finish for interior and exterior use and bronze anodised for interior use. It can also be used with Boulevard 6000 secondary barrier matting.

- Zones 1 & 2**
- > Exterior & Interior Entrances & Access Points
- Typical applications**
- > Large hospitals, offices, schools & department stores

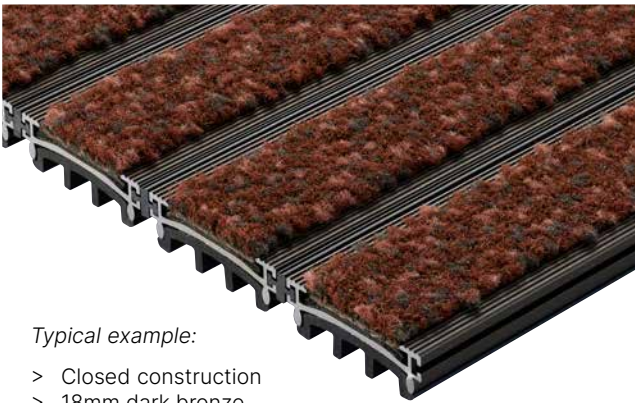


Esplanade 6000 : Closed Construction

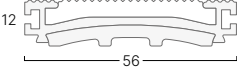
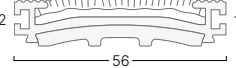
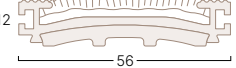
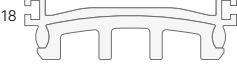


Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



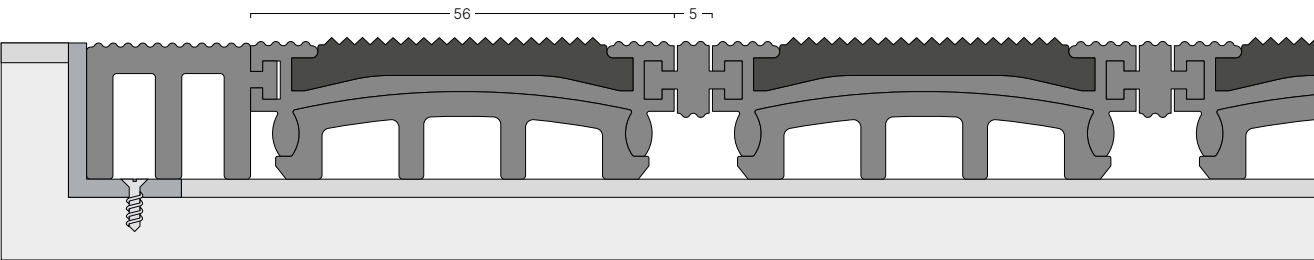
- Typical example:
- > Closed construction
 - > 12mm aluminium base
 - > Pvc wiper



- Typical example:
- > Closed construction
 - > 18mm dark bronze anodised base
 - > Boulevard 6000 Copper wiper

Product information	Closed construction		
	Aluminium base		Bronze anodised bases
	Pvc wiper	Boulevard 6000 wiper	Boulevard 6000 wiper
12mm gauge			
18mm gauge			
Zone	Exterior	Interior	Interior
Foot traffic	Heavy	Heavy	Medium
Wheeled traffic	Heavy 150kg	Heavy 150kg	Medium 100kg
Moisture & dirt removal	Scraper action only	High	High
Warranty	10 Years	10 Years	7 Years

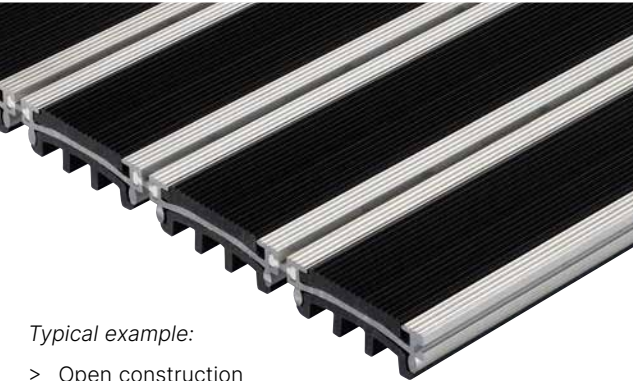
Primary matting product selection guide - see pages 18-19. Colour options - see page 35



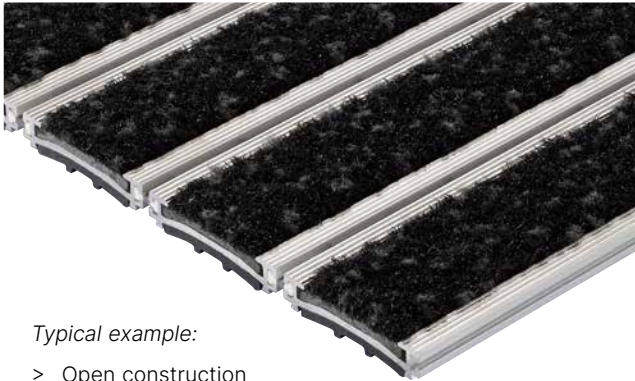
Typical installation example: Exterior entrance, closed construction, 18mm aluminium base, pvc wiper, EPES40 edging strip with UMFA18 recessed frame

Esplanade 6000 : Open Construction

Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



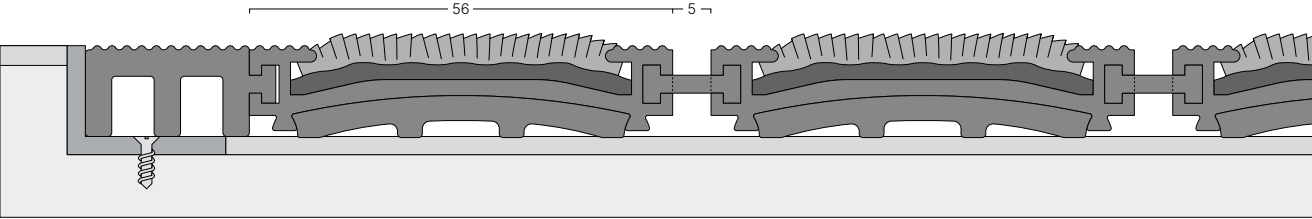
- Typical example:
- > Open construction
 - > 18mm aluminium base
 - > Pvc wiper



- Typical example:
- > Open construction
 - > 12mm aluminium base
 - > Boulevard 6000 Nightfall wiper

Product information	Open construction		
	Aluminium base		Bronze anodised bases
	Pvc wiper	Boulevard 6000 wiper	Boulevard 6000 wiper
12mm gauge			
18mm gauge			
Zone	Exterior	Interior	Interior
Foot traffic	Heavy	Heavy	Medium
Wheeled traffic	Medium 100kg	Medium 100kg	Medium 100kg
Moisture & dirt removal	Scraper action only	High	High
Warranty	10 Years	10 Years	7 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 35



Typical installation example: Interior entrance, open construction, 12mm aluminium base, Boulevard 6000 wiper, EPES4012 edging strip with UMFA12 recessed frame

Esplanade 6000 : Specification

Aluminium base options

Mill Finish
Exterior & interior applications

Light Bronze Anodised
Interior applications

Mid Bronze Anodised
Interior applications

Dark Bronze Anodised
Interior applications

Pvc linking strips

Black
Closed construction mats

Grey
Open & closed construction mats

Pvc wiper

Black
Exterior applications



The ECONYL® regenerated solution dyed nylon wipers provide excellent soil & moisture retention and are available in a choice of 8 colours. Esplanade 6000 coordinates with Boulevard 6000 for a complete entrance matting solution.

Boulevard 6000 textile wiper options

Interior applications

Shadow

Copper

Spruce

Galaxy

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Cfl-s1
Warranty	10 years (Mill finish aluminium), 7 years (Bronze anodised aluminium)
Components	Supplied with edging strips, divider bars and push-in hinges see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Esplanade 6000 product offer

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm



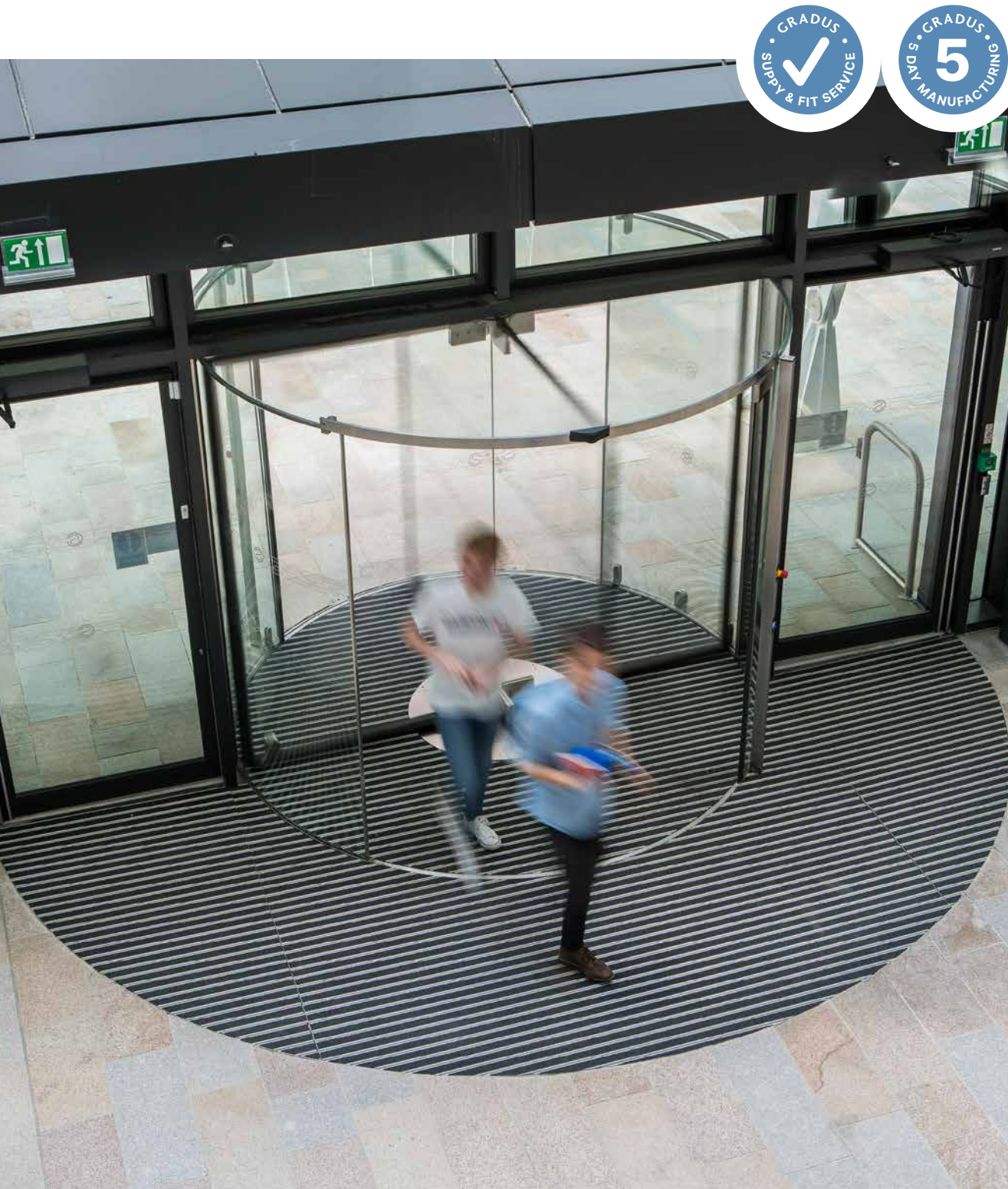
Esplanade 5000

Primary Barrier Matting

UPDATED

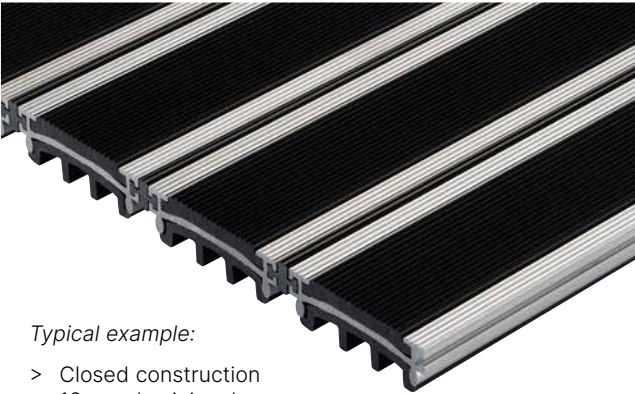
Esplanade 5000 is made with an aluminium base and wipers connected by pvc linking strips. The wipers come in pvc for exterior use or Boulevard 5000 textile wipers for interior use, made from 100% recycled ECONYL® solution dyed nylon yarn in nine colours. The aluminium base is supported by pvc bridging strips for extra strength and come in various finishes: mill finish for interior and exterior use and bronze anodised for interior use. It can also be used with Boulevard 5000 secondary barrier matting.

- Zones 1 & 2**
- > Exterior & Interior Entrances & Access Points
- Typical applications**
- > Large hospitals, offices, schools & department stores



Esplanade 5000 : Closed Construction

Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



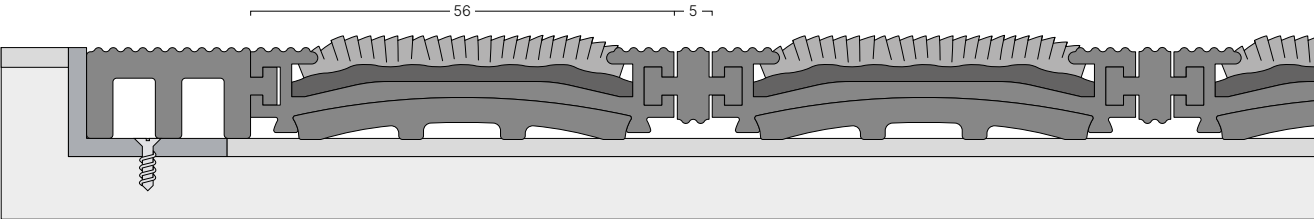
- Typical example:
- > Closed construction
 - > 18mm aluminium base
 - > Pvc wiper



- Typical example:
- > Closed construction
 - > 12mm aluminium base
 - > Boulevard 5000 Falcon wiper

Product information	Closed construction		
	Aluminium base		Bronze anodised bases
	Pvc wiper	Boulevard 5000 wiper	Boulevard 5000 wiper
12mm gauge			
18mm gauge			
Zone	Exterior	Interior	Interior
Foot traffic	Heavy	Heavy	Medium
Wheeled traffic	Heavy 150kg	Heavy 150kg	Medium 100kg
Moisture & dirt removal	Scraper action only	High	High
Warranty	10 Years	10 Years	7 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 39



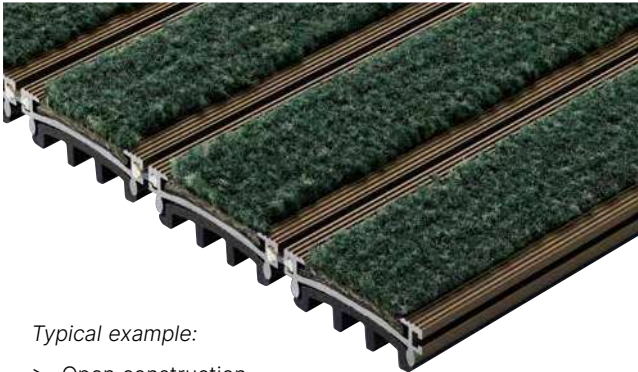
Typical installation example: Interior entrance, closed construction, 12mm aluminium base, Boulevard 5000 wiper, EPES4012 edging strip with UMFA12 recessed frame

Esplanade 5000 : Open Construction

Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



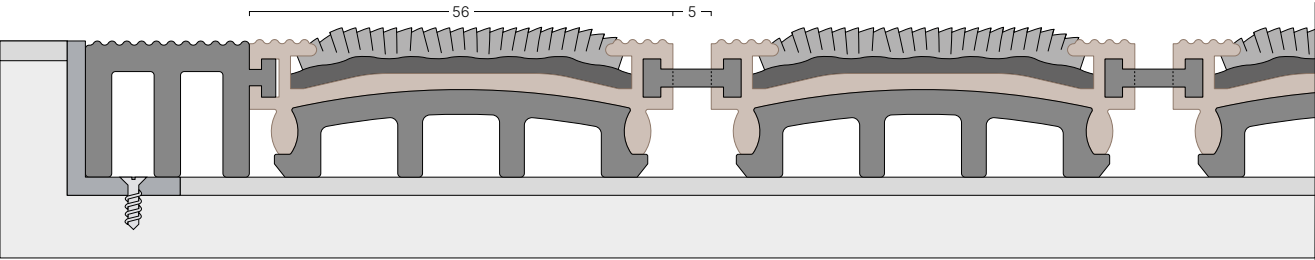
- Typical example:
- > Open construction
 - > 12mm aluminium base
 - > Pvc wiper



- Typical example:
- > Open construction
 - > 18mm light bronze anodised base
 - > Boulevard 5000 Mallard wiper

Product information	Open construction		
	Aluminium base		Bronze anodised bases
	Pvc wiper	Boulevard 5000 wiper	Boulevard 5000 wiper
12mm gauge			
18mm gauge			
Zone	Exterior	Interior	Interior
Foot traffic	Heavy	Heavy	Medium
Wheeled traffic	Medium 100kg	Medium 100kg	Medium 100kg
Moisture & dirt removal	Scraper action only	High	High
Warranty	10 Years	10 Years	7 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 39



Typical installation example: Interior entrance, open construction, 18mm bronze anodised base, Boulevard 5000 wiper, EPES40 edging strip with UMFA18 recessed frame

Esplanade 5000 : Specification

Aluminium base options

Mill Finish
Exterior & interior applications

Light Bronze Anodised
Interior applications

Mid Bronze Anodised
Interior applications

Dark Bronze Anodised
Interior applications

Pvc linking strips

Black
Closed construction mats

Grey
Open & closed construction mats

Pvc wiper

Black
Exterior applications



The ECONYL® regenerated solution dyed nylon wipers provide excellent soil & moisture retention and are available in a choice of 9 colours. Esplanade 5000 coordinates with Boulevard 5000 for a complete entrance matting solution.

Boulevard 5000 textile wiper options

Interior applications

Corncrake

Kingfisher

Jackdaw

Kestrel

Cuckoo

Mallard

Moorhen

Finch

Falcon

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Cfl-s1
Warranty	10 years (Mill finish aluminium), 7 years (Bronze anodised aluminium)
Components	Supplied with edging strips, divider bars and push-in hinges see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Esplanade 5000 product offer

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm



Esplanade 1500

Primary Barrier Matting

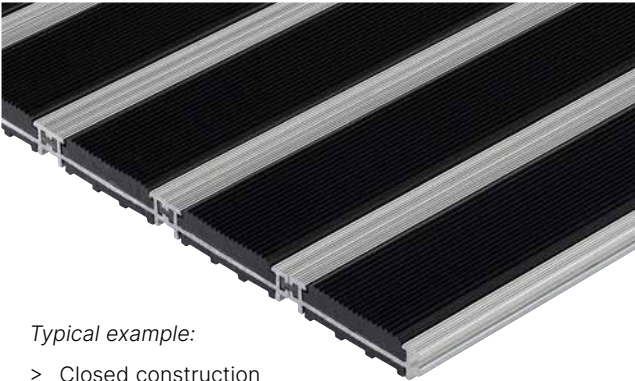
Esplanade 1500 is made with an aluminium base and wipers connected by pvc linking strips. The wipers come in pvc for exterior use or Boulevard 1500 textile wipers for interior use, made from 100% polypropylene yarn in four colours. The aluminium base is supported by pvc bridging strips for extra strength. It can also be used with Boulevard 1500 secondary barrier matting.

- Zones 1 & 2
- > Exterior & Interior Entrances & Access Points
- Typical applications
- > Schools, offices & high street shops

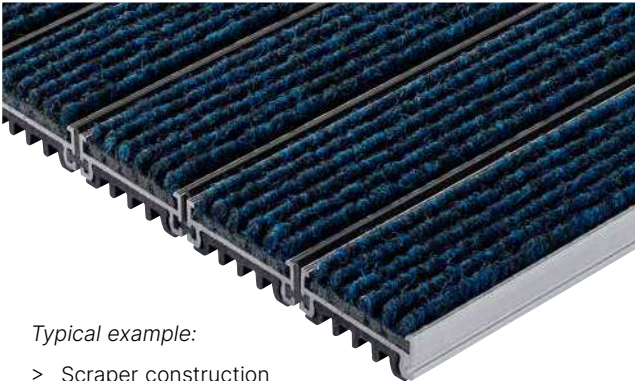


Esplanade 1500 : Closed & Scraper Construction

Closed & scraper construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



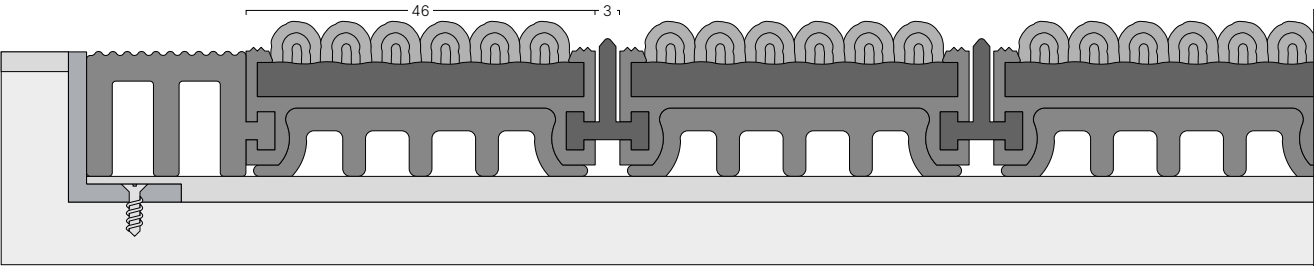
- Typical example:
- > Closed construction
 - > 12mm aluminium base
 - > Pvc wiper



- Typical example:
- > Scraper construction
 - > 16.5mm aluminium base
 - > Boulevard 1500 Marinus wiper & black PVC-u scraper linking strip

Product information	Closed construction		Scraper construction	
	Aluminium base		Aluminium base	
	Pvc wiper	Boulevard 1500 wiper	Pvc wiper	Boulevard 1500 wiper
12mm gauge				
16.5mm gauge				
Zone	Exterior	Interior	Exterior	Interior
Foot traffic	Medium	Medium	Medium	Medium
Wheeled traffic	Medium 100kg	Medium 100kg	Medium 100kg	Medium 100kg
Moisture & dirt removal	Medium	Medium	Medium	Medium
Warranty	10 Years	10 Years	10 Years	10 Years

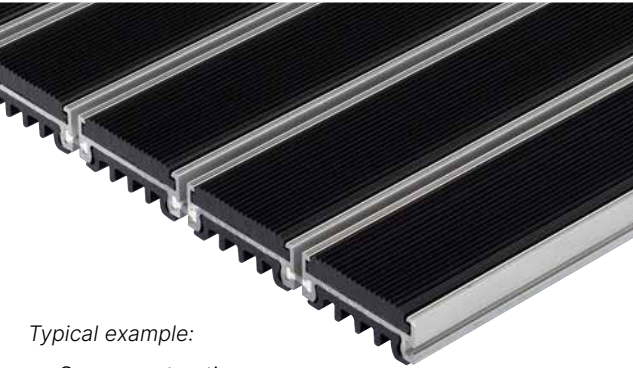
Primary matting product selection guide - see pages 18-19. Colour options - see page 43



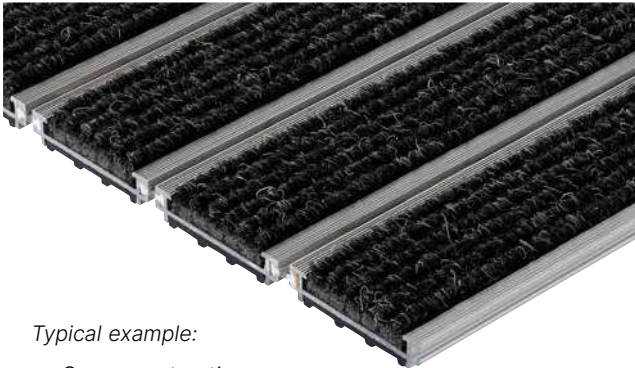
Typical installation example: Interior entrance, scraper construction, 16.5mm aluminium base, Boulevard 1500 wiper, black PVC-u scraper linking strip, ESP15ES40 edging strip with UMFA18 recessed frame

Esplanade 1500 : Open Construction

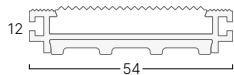
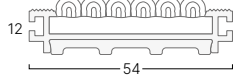
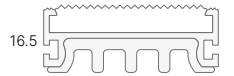
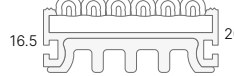
Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



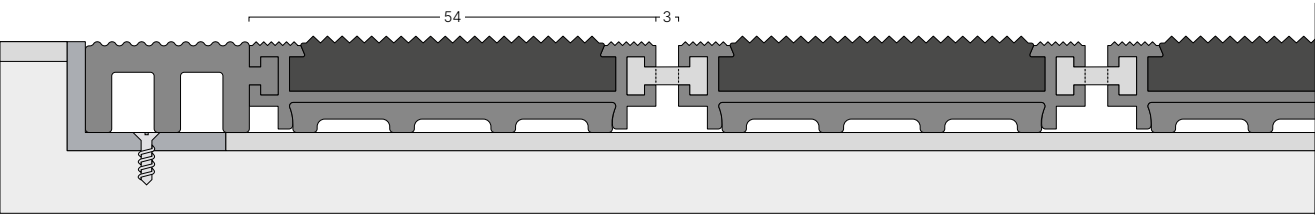
- Typical example:
- > Open construction
 - > 16.5mm aluminium base
 - > Pvc wiper



- Typical example:
- > Open construction
 - > 12mm aluminium base
 - > Boulevard 1500 Tempestas

Product information	Open construction	
	Aluminium base	
	Pvc wiper	Boulevard 1500 wiper
12mm gauge		
16.5mm gauge		
Zone	Exterior	Interior
Foot traffic	Medium	Medium
Wheeled traffic	Medium 100kg	Medium 100kg
Moisture & dirt removal	Medium	Medium
Warranty	10 Years	10 Years

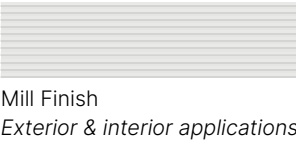
Primary matting product selection guide - see pages 18-19. Colour options - see page 43



Typical installation example: Exterior entrance, open construction, 12mm aluminium base, pvc wiper, silver pvc linking strip, EPES4012 edging strip with UMFA12 recessed frame

Esplanade 1500 : Specification

Aluminium base options



Mill Finish
Exterior & interior applications

Pvc linking strips

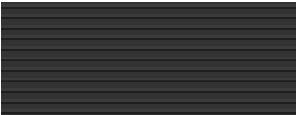


Silver
Open construction mats



Black
Closed & scraper construction mats

Pvc wiper



Black
Exterior applications

Boulevard 1500 textile wiper options

Interior applications



Terra



Tempestas



Marinus



Calculus

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Efl
Warranty	10 years
Components	Supplied with edging strips and divider bars see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Esplanade 1500 product offer

Visit: www.gradus.com
for full details

Dimensions shown are nominal
Illustrations are in mm

NBS Source
PARTNER

Esplanade 1000

Primary Barrier Matting

Esplanade 1000 is manufactured using an aluminium base with a choice of wipers which are connected using pvc linking strips. The wipers are available as pvc for exterior use or with 100% ECONYL® solution dyed nylon textile wipers for interior use. The textile wipers are available in a choice of four colours and for a complete matting solution, it can also be used in conjunction with Boulevard secondary barrier matting.

- Zones 1 & 2**
- > Exterior & Interior Entrances & Access Points
- Typical applications**
- > Schools, offices & high street shops



Esplanade 1000 : Closed Construction

Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



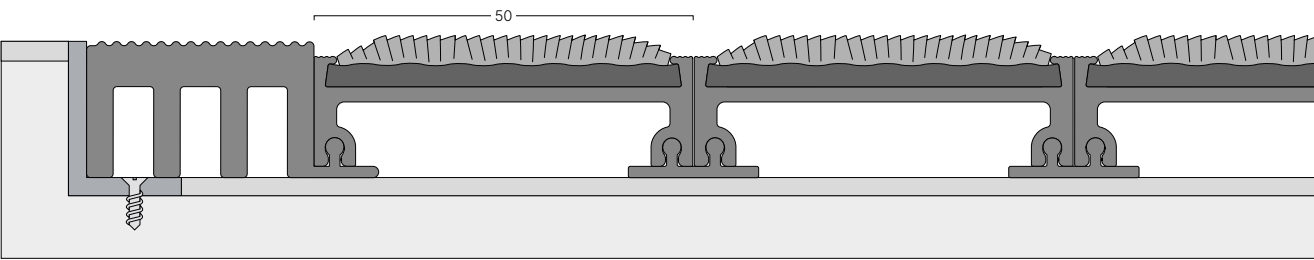
- Typical example:
- > Closed construction
 - > 12mm aluminium base
 - > Pvc wiper



- Typical example:
- > Closed construction
 - > 18mm aluminium base
 - > Jet Stream textile wiper

Product information	Closed construction	
	Aluminium base	
	Pvc wiper	Textile wiper
12mm gauge		
18mm gauge		
Zone	Exterior	Interior
Foot traffic	Medium	Medium
Wheeled traffic	Medium 100kg	Medium 100kg
Moisture & dirt removal	Medium	Medium
Warranty	5 Years	5 Years

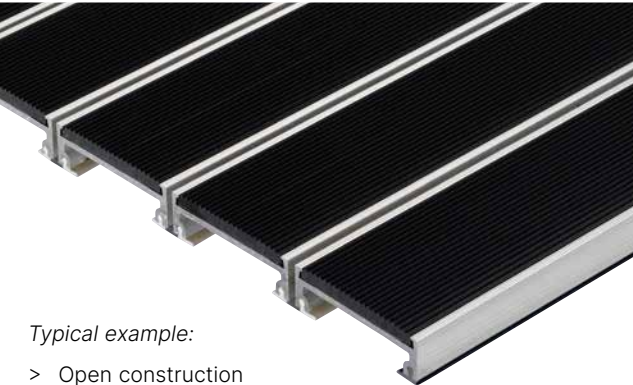
Primary matting product selection guide - see pages 18-19. Colour options - see page 47



Typical installation example: Interior entrance, closed construction, 18mm aluminium base, textile wiper, ESP10ES18 edging strip with UMFA18 recessed frame

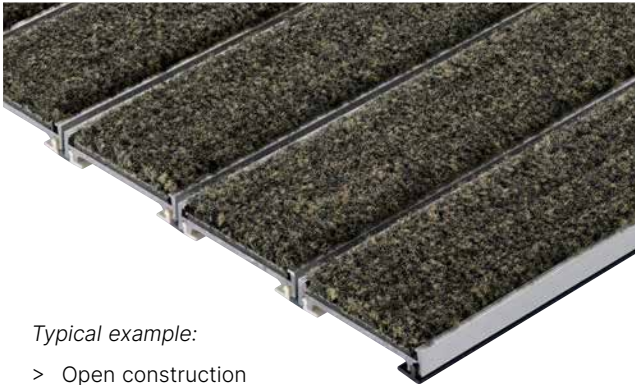
Esplanade 1000 : Open Construction

Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



Typical example:

- > Open construction
- > 18mm aluminium base
- > Pvc wiper

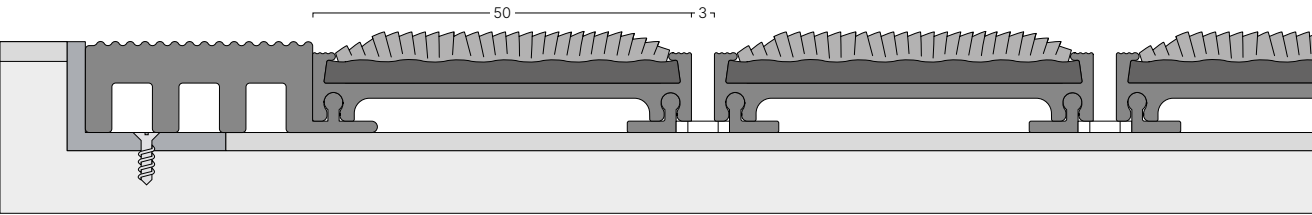


Typical example:

- > Open construction
- > 12mm aluminium base
- > Typhoon textile wiper

Product information	Open construction	
	Aluminium base	
	Pvc wiper	Textile wiper
12mm gauge		
18mm gauge		
Zone	Exterior	Interior
Foot traffic	Medium	Medium
Wheeled traffic	Medium 100kg	Medium 100kg
Moisture & dirt removal	Medium	Medium
Warranty	5 Years	5 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 47



Typical installation example: Interior entrance, open construction, 12mm aluminium base, textile wiper, ESP10ES12 edging strip with UMFA12 recessed frame

Esplanade 1000 : Specification

Aluminium base options

Mill Finish
Exterior & interior applications

Pvc wiper

Black
Exterior applications



The ECONYL® regenerated solution dyed nylon wipers provide excellent soil & moisture retention and are available in a choice of 4 colours. Esplanade 1000 can be combined with Boulevard secondary barrier matting for a complete entrance matting solution.

Textile wiper options
Interior applications

Typhoon

Blue Ridge

Jet Stream

Storm Surge

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Efl
Warranty	5 years
Components	Supplied with edging strips and divider bars see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Esplanade 1000 product offer

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm



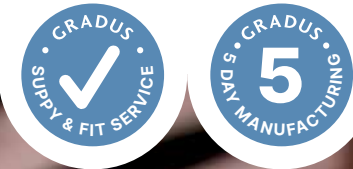
Topguard®

Primary Barrier Matting

Topguard is manufactured using aluminium scraper linking strips and rubber interwoven wipers which are connected using steel wires. The rubber wipers are interwoven with grey or black polyester fibres for a textile wiper that is designed for interior use. When Topguard is installed as a true rectangle or square, it can be reverse to extend the product's life. For a complete matting solution, it can also be used in conjunction with Boulevard secondary barrier matting.

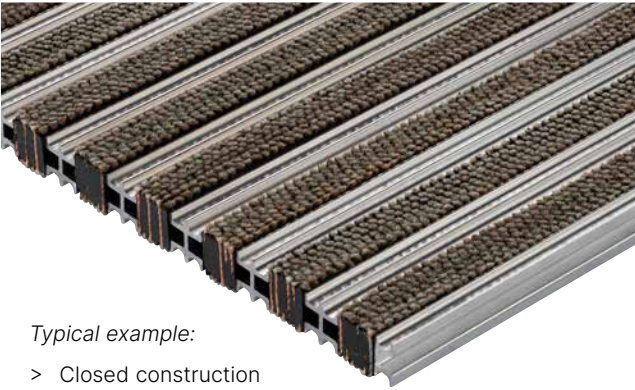
5 day manufacturing excludes brass scraper linking strips.

- Zones 2**
- > Interior Entrances & Access Points
- Typical applications**
- > Airports, railway stations, supermarkets & sports stadiums

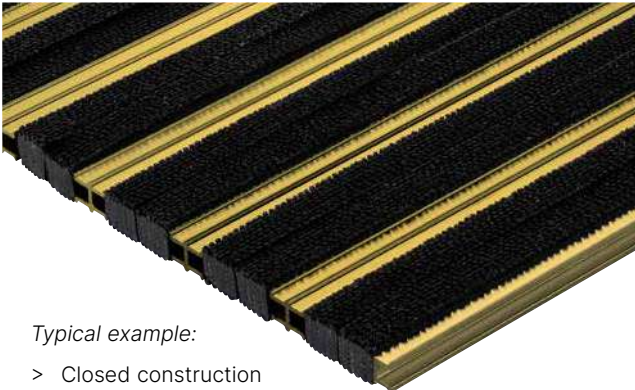


Topguard® : Closed Construction

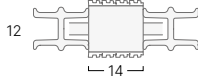
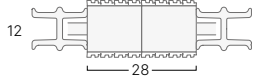
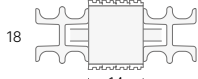

Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



- Typical example:
- > Closed construction
 - > 18mm aluminium scraper linking strips
 - > Single grey textile wiper

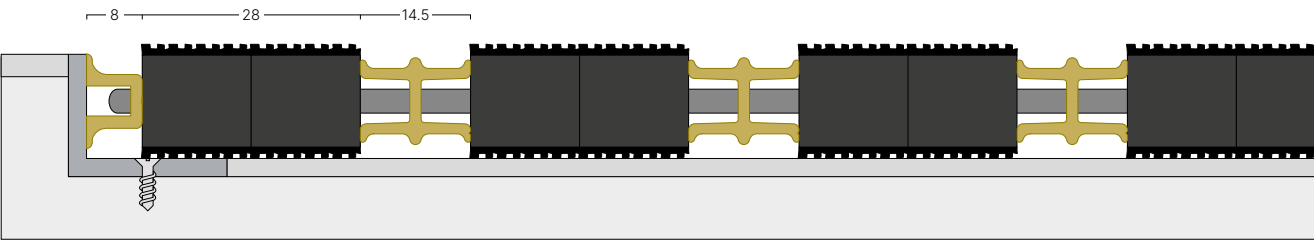


- Typical example:
- > Closed construction
 - > 12mm brass scraper linking strips
 - > Double black textile wiper

Product information	Closed construction	
	Aluminium & brass scraper linking strips	
	Single wiper	Double wiper
12mm gauge		
18mm gauge		
Zone	Interior	Interior
Foot traffic	Heavy	Heavy
Wheeled traffic	Heavy 150kg	Heavy 150kg
Moisture & dirt removal	Medium	High
Warranty	10 Years	10 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 51

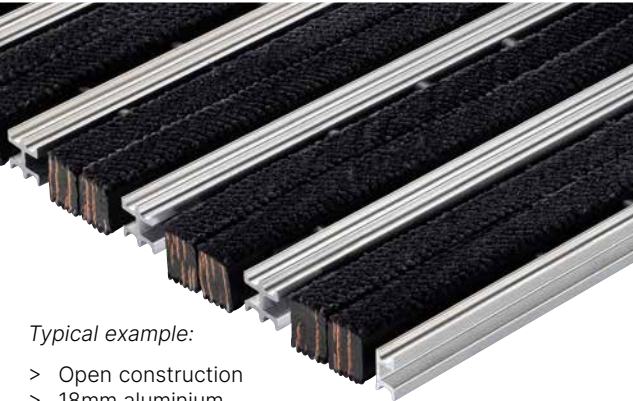
Note: 3m maximum width (left to right)



Typical installation example: Interior entrance, closed construction, 12mm brass scraper linking strips, double black textile wiper with UMFA12 recessed frame

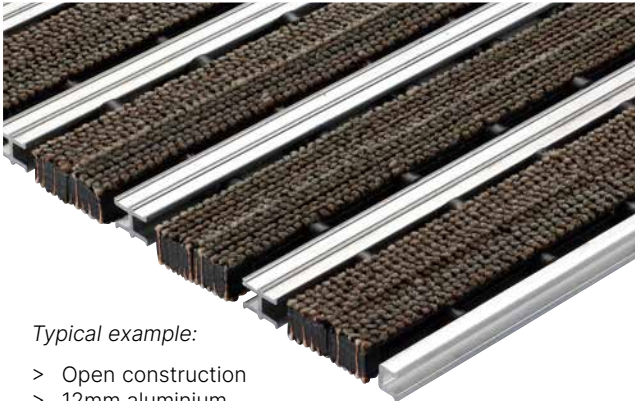
Topguard® : Open Construction

Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



Typical example:

- > Open construction
- > 18mm aluminium scraper linking strips
- > Double black textile wiper



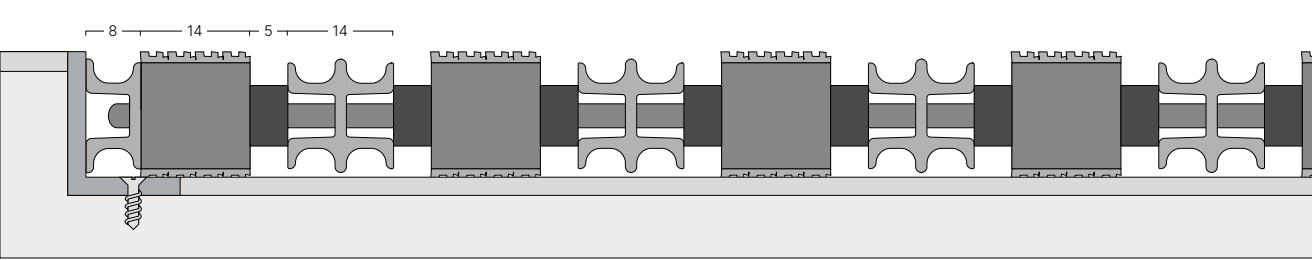
Typical example:

- > Open construction
- > 12mm aluminium scraper linking strips
- > Double grey textile wiper

Product information	Open construction (5mm)	
	Aluminium & brass scraper linking strips	
	Single wiper	Double wiper
12mm gauge		
18mm gauge		
Zone	Interior	Interior
Foot traffic	Heavy	Heavy
Wheeled traffic	Heavy 150kg	Heavy 150kg
Moisture & dirt removal	Medium	High
Warranty	10 Years	10 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 51

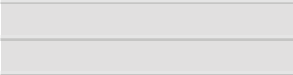
Note: 3m maximum width (left to right)



Typical installation example: Interior entrance, open construction, 18mm aluminium scraper linking strips, single grey textile wiper with UMFA18 recessed frame

Topguard® : Specification

Scraper linking strip options



Aluminium
Interior applications



Brass
Interior applications

Wiper options



Black textile (single)
Interior applications



Grey textile (single)
Interior applications



Black textile (double)
Interior applications



Grey textile (double)
Interior applications

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Warranty	10 years
Reversible	Can be reversed when installed as a true rectangle or a square
Components	Supplied with divider bars see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Topguard product offer

Visit: www.gradus.com
for full details

Dimensions shown are nominal
Illustrations are in mm



Tyreguard

Primary Barrier Matting

Tyreguard is manufactured using aluminium scraper linking strips and 100% recycled rubber wipers which are connected using steel wires. The wipers are available as plain rubber for exterior use or woven with grey nylon fibres for a textile wiper that is designed for interior use. When Tyreguard is installed as a true rectangle or square, it can be reversed to extend the product's life. For a complete matting solution, it can also be used in conjunction with Boulevard secondary barrier matting.

- Zones 1 & 2**
- > Exterior & Interior Entrances & Access Points
- Typical applications**
- > Airports, railway stations, supermarkets & sports stadiums



Tyreguard : Closed Construction

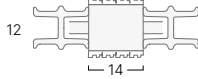

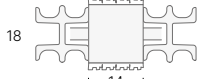

Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



- Typical example:
- > Closed construction
 - > 12mm aluminium scraper linking strips
 - > Single grey textile wiper

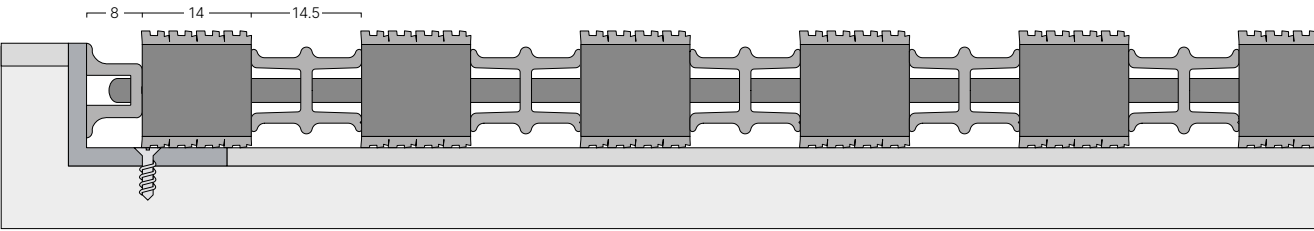


- Typical example:
- > Closed construction
 - > 18mm aluminium scraper linking strips
 - > Single plain rubber wiper

Product information	Closed construction	
	Aluminium scraper linking strips	
	Single wiper	Double wiper
12mm gauge		
18mm gauge		
Zone	Exterior & Interior	Exterior & Interior
Foot traffic	Heavy	Heavy
Wheeled traffic	Heavy 150kg	Heavy 150kg
Moisture & dirt removal	Medium	High
Warranty	10 Years	10 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 55

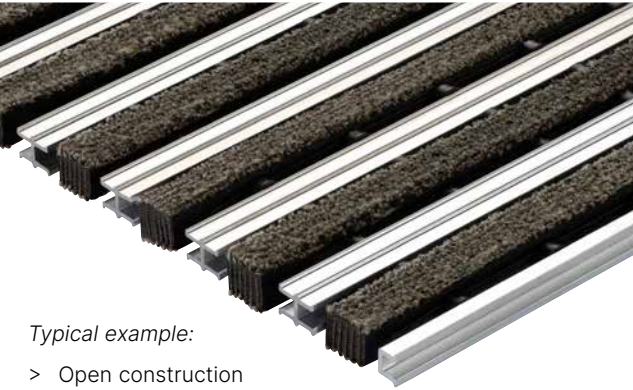
Note: 3m maximum width (left to right)



Typical installation example: Interior entrance, closed construction, 12mm aluminium scraper linking strips, single grey textile wiper with UMFA12 recessed frame

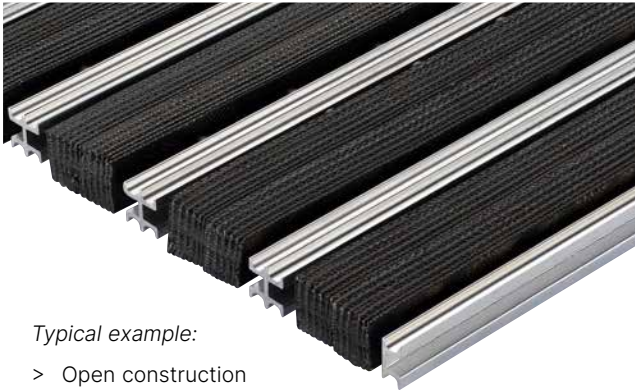
Tyreguard : Open Construction

Open construction - incorporates spaces allowing dirt and moisture to fall through into the matwell below which can be lifted intermittently to remove the debris as well as for deep cleaning the mat itself.



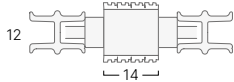

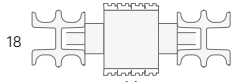

Typical example:

- > Open construction
- > 12mm aluminium scraper linking strips
- > Single grey textile wiper



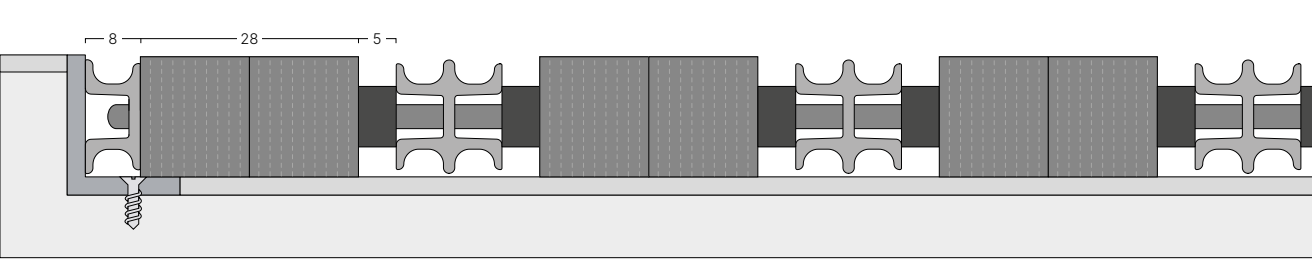
Typical example:

- > Open construction
- > 18mm aluminium scraper linking strips
- > Double plain rubber wiper

Product information	Open construction	
	Aluminium scraper linking strips	
	Single wiper	Double wiper
12mm gauge		
18mm gauge		
Zone	Exterior & Interior	Exterior & Interior
Foot traffic	Heavy	Heavy
Wheeled traffic	Heavy 150kg	Heavy 150kg
Moisture & dirt removal	Medium	High
Warranty	10 Years	10 Years

Primary matting product selection guide - see pages 18-19. Colour options - see page 55

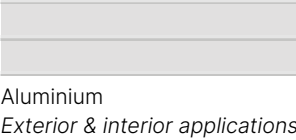
Note: 3m maximum width (left to right)



Typical installation example: Exterior entrance, open construction, 18mm aluminium scraper linking strips, double plain rubber wiper with UMFA18 recessed frame

Tyreguard : Specification

Scraper linking strip



Aluminium
Exterior & interior applications

Wiper options



Plain rubber (single)
Exterior applications



Textile (single)
Interior applications



Plain rubber (double)
Exterior applications



Textile (double)
Interior applications

Note:
Wipers are made from 100% recycled material from aeroplane tyres, of which at least 50% is vulcanised rubber with the remainder being textile material. Due to the recycled content of the matting, there will be inconsistencies in the pile height and in the width and shading of the wipers. Some of these variations should become less apparent once the product has been installed for a period of time.

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Warranty	10 years
Reversible	Can be reversed when installed as a true rectangle or a square
Components	Supplied with divider bars see pages 80-84
Templating	Can be manufactured to most shapes on approval of a template
Installation	For installation accessories and matwell accessories see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Tyreguard product offer

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm



Section 2

Hybrid Barrier Matting

A range of modular barrier matting products ideal for use in interior entrances and access points. Hybrid barrier matting is quick and easy to install and can be cut and trimmed on site.

Hybrid barrier matting is often used in conjunction with secondary barrier matting to provide a total matting solution.

Product Selection Guide

Hybrid Barrier Matting

		Hybrid Barrier Matting		
Product information		Mat-in-a-Box 6000 & 5000	Mat-in-a-Box 1550	Access 6000 & 5000
Finish		PVC-u	PVC-u	Rubber
Page		58	61	64
Where to use barrier matting <i>see pages 18-19</i>	Zone 2 Textile wiper	<div></div>	<div></div>	<div></div>
Foot traffic	Medium	<div></div>	<div></div>	<div></div>
Wheeled traffic ¹ Per wheel	Medium 100kg	<div></div>	<div></div>	
	Light 50kg			<div></div>
Wiper options - <i>see page 16</i>				
Moisture & dirt removal	High	<div></div>		<div></div>
	Medium		<div></div>	
Construction - <i>see page 16</i>	Closed	<div></div>	<div></div>	<div></div>
Typical applications ³		Schools, offices & high street shops	Schools, offices & high street shops	Smaller mat areas - schools, offices & high street shops
Warranty ²		7 Years	5 Years	7 Years

Notes

¹ All hybrid entrance barrier mats are independently tested to the weights specified using a four wheeled trolley with fixed 150 × 45mm hard rubber wheels to a minimum of 30,000 passes. eg 100kg per wheel = 400kg over 4 wheels.

² Manufacturing and material defects warranty. Warranty is subject to type of application, installation and on-going cleaning & maintenance being in accordance with Gradus recommendations. Additional terms & conditions apply - details available on request.

³ Typical applications are a guide only. Attention should be paid to the performance characteristics of each mat type in conjunction with an assessment of the requirements of the particular application.

Mat-in-a-Box® 6000 & 5000

Hybrid Barrier Matting

UPDATED

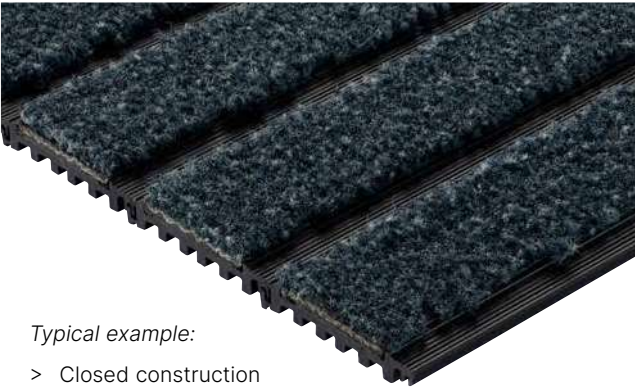
Mat-in-a-Box 6000 & 5000 is manufactured using a through-coloured PVC-u base with a choice of Boulevard 6000 or 5000 100% ECONYL® textile wipers for interior use. The individual sections of the mat clip together on-site for a modular solution that is quick and easy to install. For a complete matting solution, it can also be used in conjunction with Boulevard 6000 & 5000 secondary barrier matting.

- Zone 2**
- > Interior Entrances & Access Points
- Typical applications**
- > Schools, offices & high street shops

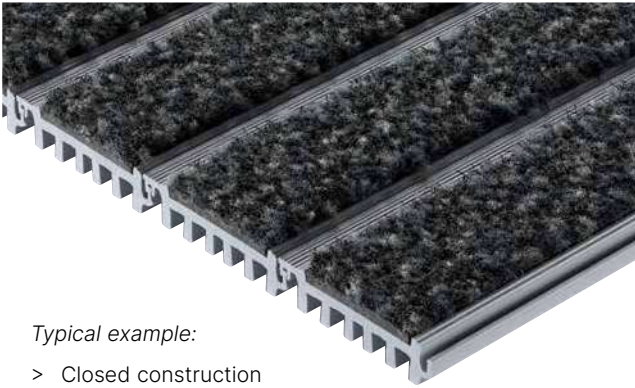


Mat-in-a-Box® 6000 & 5000 : Closed Construction

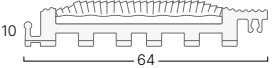
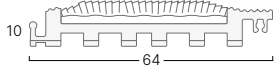


Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



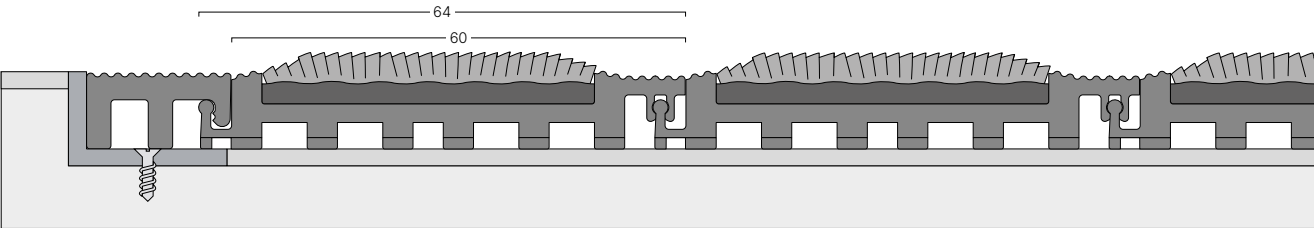
- Typical example:*
- > Closed construction
 - > 12mm black PVC-u base
 - > Boulevard 5000 Kingfisher wiper



- Typical example:*
- > Closed construction
 - > 18mm Grey PVC-u base
 - > Boulevard 6000 Shadow wiper

Product information	Closed construction	
	PVC-u base	
	Boulevard 6000 wiper	Boulevard 5000 wiper
12mm gauge		
18mm gauge		
Zone	Interior	Interior
Foot traffic	Medium	Medium
Wheeled traffic	Medium 100kg	Medium 100kg
Moisture & dirt removal	High	High
Warranty	7 Years	7 Years

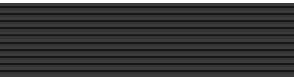
Hybrid matting product selection guide - see page 57. Colour options - see page 60



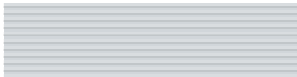
Typical installation example: Interior entrance, closed construction, 12mm PVC-u base, Boulevard wiper, MB12SP edging strip with UMFA12 recessed frame

Mat-in-a-Box® 6000 & 5000 : Specification

PVC-u base options
Interior applications



Black



Glacier (grey)



The ECONYL® regenerated solution dyed nylon wipers provide excellent soil & moisture retention. Mat-in-a-Box 6000 coordinates with Boulevard 6000 and Mat-in-a-Box 5000 coordinates with Boulevard 5000 for a complete matting solution.

Boulevard 6000 textile wiper options
Interior applications



Shadow



Copper



Spruce



Galaxy



Indigo



Storm



Nickel



Nightfall

Boulevard 5000 textile wiper options
Interior applications



Corncrake



Kestrel



Mallard



Finch



Kingfisher



Cuckoo



Moorhen



Falcon



Jackdaw

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Cfl-s1
Warranty	7 years
Components	Supplied with 2m² (16×2m lengths), edging strip, support piece and expansion strip see pages 80-84
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Mat-in-a-Box 6000 & 5000 product offer

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm



Mat-in-a-Box® 1550
Hybrid Barrier Matting

Mat-in-a-Box 1550 is manufactured using a through-coloured PVC-u base with a choice of 100% polypropylene textile wipers for interior use. The individual sections of the mat clip together on-site for a modular solution that is quick and easy to install. For a complete matting solution, it can also be used in conjunction with Boulevard secondary barrier matting.

Zone 2

- > Interior Entrances & Access Points

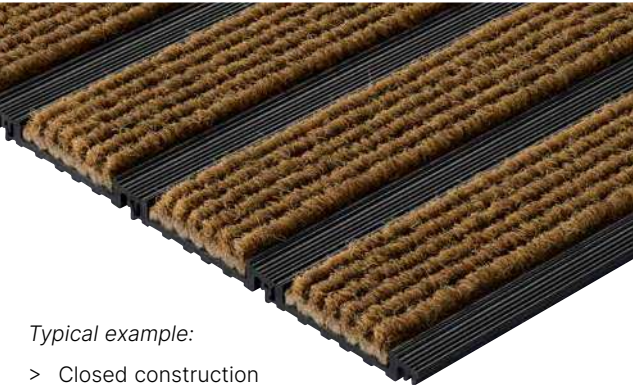
Typical application

- > Schools, offices & high street shops



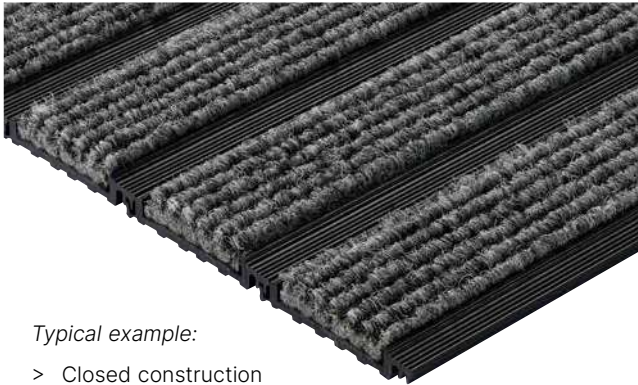
Mat-in-a-Box® 1550 : Closed Construction

Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



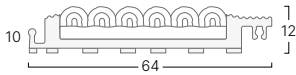
Typical example:

- > Closed construction
- > 12mm black PVC-u base
- > Terra wiper

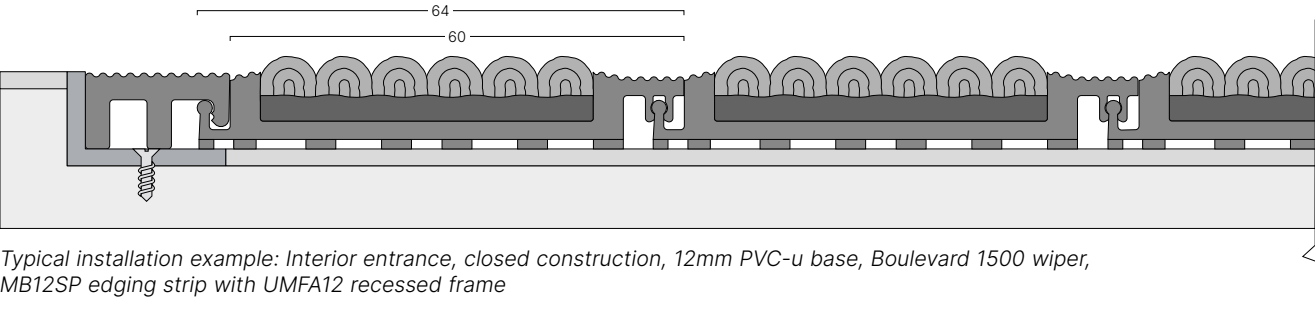


Typical example:

- > Closed construction
- > 12mm black PVC-u base
- > Calculus wiper

Product information	Closed construction
	PVC-u base
	Boulevard 1500 wiper
12mm gauge	
Zone	Interior
Foot traffic	Medium
Wheeled traffic	Medium 100kg
Moisture & dirt removal	Medium
Warranty	5 Years

Hybrid matting product selection guide - see page 57. Colour options - see page 63



Typical installation example: Interior entrance, closed construction, 12mm PVC-u base, Boulevard 1500 wiper, MB12SP edging strip with UMFA12 recessed frame

Mat-in-a-Box® 1550 : Specification

PVC-u base options
Interior applications



Black



Glacier (grey)

Textile wiper options
Interior applications



Terra



Tempestas



Calculus

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS EN 13501-1 Class Efl-s1
Warranty	5 years
Components	Supplied with 2m² (16×2m lengths), edging strip, support piece and expansion strip see pages 80-84
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Mat-in-a-Box 1550 product offer



Scan the QR code to see our Mat-in-a-Box animated video

Visit: www.gradus.com for full details

Dimensions shown are nominal
Illustrations are in mm



Access® 6000 & 5000

Hybrid Barrier Matting

UPDATED

Access 6000 & 5000 is manufactured using a moulded rubber base with a choice of Boulevard 6000 or 5000 100% ECONYL® textile wipers for interior use. Access is ideal for use where electronic tagging systems operate and is easy to cut and install on-site. For a complete matting solution, it can also be used in conjunction with Boulevard 6000 & 5000 secondary barrier matting.

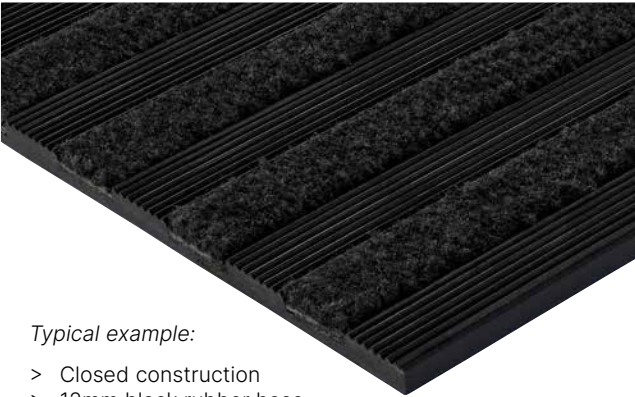
- Zone 2**
- > Interior Entrances & Access Points
- Typical applications**
- > Smaller mat areas - schools, offices & high street shops



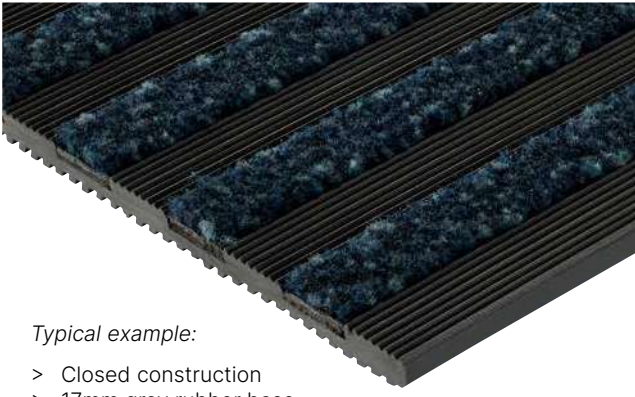
Access® 6000 & 5000 : Closed Construction

UPDATED

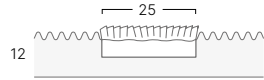
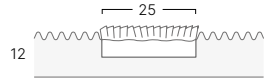
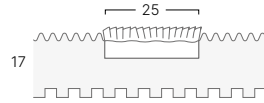
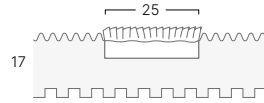
Closed construction - dirt and moisture remain on the surface of the mat and can be removed by regular cleaning in addition to periodic deep cleaning of the mat itself.



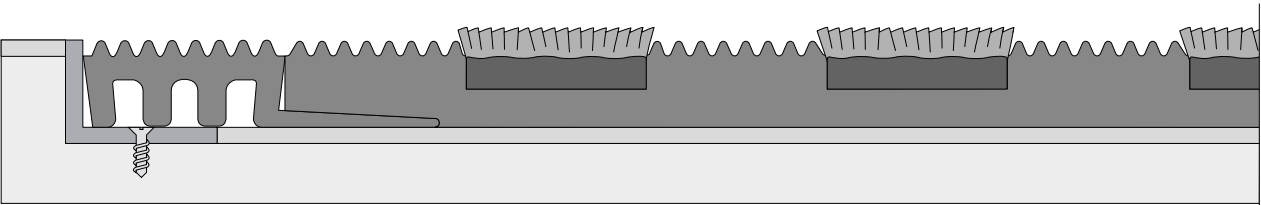
- Typical example:*
- > Closed construction
 - > 12mm black rubber base
 - > Boulevard 5000 Jackdaw



- Typical example:*
- > Closed construction
 - > 17mm grey rubber base
 - > Boulevard 6000 Storm wiper

Product information	Closed construction	
	PVC-u base	
	Boulevard 6000 wiper	Boulevard 5000 wiper
12mm gauge		
17mm gauge		
Zone	Interior	Interior
Foot traffic	Medium	Medium
Wheeled traffic	Light 50kg	Light 50kg
Moisture & dirt removal	High	High
Warranty	7 Years	7 Years

Hybrid matting product selection guide - see page 57. Colour options - see page 66



Typical installation example: Interior entrance, closed construction, 12mm PVC-u base, Boulevard 6000 wiper, SPA012 spacer strip with UMFA12 recessed frame

Access® 6000 & 5000 : Specification

Rubber base options
Interior applications



Black



Grey



The ECONYL® regenerated solution dyed nylon wipers provide excellent soil & moisture retention. Access 6000 coordinates with Boulevard 6000 and Access 5000 coordinates with Boulevard 5000 for a complete matting solution.

Boulevard 6000 textile wiper options
Interior applications



Shadow



Copper



Spruce



Galaxy



Indigo



Storm



Nickel



Nightfall

Boulevard 5000 textile wiper options
Interior applications



Corncrake



Kestrel



Mallard



Finch



Kingfisher



Cuckoo



Moorhen



Falcon



Jackdaw

Product information	
Slip-resistance	HSL ramp test - low risk of slip
Flammability	BS 4790:1987 - rated a low fire risk
Warranty	7 years
Modules	Provided in 0.5m x 2.0m modules and supplied oversized for shaping and trimming on-site
Components	Supplied with spacer strips - 1 per module see page 80-84
Installation	For installation accessories and matwell frames see pages 80-91
Configuration examples	Visit: www.gradus.com to view the full Access 6000 & 5000 product offer



Section 3

Secondary Barrier Matting

Boulevard secondary barrier matting is produced from high performance textiles and is ideal for use at internal entrances and access points as well as in high traffic circulation areas such as corridors and reception areas.

Secondary barrier matting is often used in conjunction with primary barrier matting or hybrid barrier matting to provide a total matting solution but in some circumstances can be used as a stand-alone mat.

Product Selection Guide

Secondary Barrier Matting

		Secondary Barrier Matting				
Product information		Boulevard Stripe	Boulevard 7000	Boulevard 6000	Boulevard 5000	Boulevard 1500
Surface yarn		Econyl® Regenerated SDN	100% SDN	Econyl® Regenerated SDN	Econyl® Regenerated SDN	100% Polypropylene
Page		70	72	74	76	78
Where to use barrier matting <i>see pages 18-19</i>	Zone 3	● ³	● ³	●	●	●
	Zone 4	●	●	●	●	●
Foot traffic	Heavy	●	●	●	●	
	Medium					●
Moisture & dirt removal	High	●	●	●	●	
	Medium					●
Construction		Tufted Cut Pile	Tufted Cut Pile	Tufted Cut Pile	Tufted Cut Pile	Needlepunch
Typical applications ²		Used in conjunction with a primary or hybrid mat or as a stand-alone mat	Used in conjunction with a primary or hybrid mat or as a stand-alone mat. Also in lift lobbies, corridors and service areas	Used in conjunction with a primary or hybrid mat or as a stand-alone mat. Also in lift lobbies, corridors and service areas	Used in conjunction with a primary or hybrid mat or as a stand-alone mat. Also in lift lobbies, corridors and service areas	Used in conjunction with a primary or hybrid mat or as a stand-alone mat
Warranty ¹		5 Years	10 Years	10 Years	5 Years	5 Years

Notes

¹ Wear warranty. Warranty is subject to type of application, installation and on-going cleaning & maintenance being in accordance with Gradus recommendations. Additional terms & conditions apply - details available upon request.

² Typical applications are a guide only. Attention should be paid to the performance characteristics of each mat type in conjunction with an assessment of the requirements of the particular application

³ Note - Boulevard Stripe & Boulevard 7000 are not recommended for use on staircases

Boulevard™ Stripe

Secondary Barrier Matting

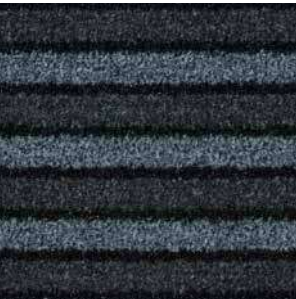
Boulevard Stripe is constructed from ECONYL® regenerated solution dyed nylon yarn and incorporates a heavy scraper fibre for optimum dirt removal and moisture retention. The range is available in a choice of two colours in sheet format. Boulevard Stripe can be used in conjunction with a primary entrance mat and in some situations can be used as stand-alone matting or in conjunction with a secondary barrier mat in entrances and access points.* The range is designed to complement Boulevard 5000 secondary barrier matting, Mat-in-a-Box 5000 and Access 5000 hybrid barrier matting and Esplanade 5000 primary barrier matting.

- Zones 3 & 4**
- > Interior Circulation Areas, Some Interior Entrances & Access Points and Other Areas
- Typical applications**
- > Used in conjunction with a primary mat or as a stand-alone mat
- *Note: Boulevard Stripe is not recommended for use on staircases*



Boulevard™ Stripe : Specification

Boulevard Stripe textile wiper options
Interior applications



Magpie LRV 4



Raven LRV 2



The ECONYL® regenerated solution dyed nylon yarn provides excellent soil & moisture retention.

	Boulevard Stripe
Product information	Sheet
Zone	Interior
Foot traffic	Heavy
Moisture & dirt removal	High
Product Dimensions	25m x 2m
Product Construction	Tufted Cut Pile
Surface Yarn	ECONYL® Regenerated SDN
Total Carpet Weight	3400 g/m²
Tufted Pile Weight	800 g/m²
Primary Backing	Non-woven
Secondary Backing	pvc
Total Carpet Thickness	6.8mm
Warranty	5 Years

Secondary barrier matting product selection guide - see page 69.

Boulevard™ 7000

Secondary Barrier Matting

Boulevard 7000 is constructed from 100% solution dyed nylon yarn and incorporates a heavy scraper fibre for optimum dirt removal and moisture retention. The range is available in a choice of four colours in sheet format. Boulevard 7000 can be used in conjunction with a primary entrance mat and in some situations can be used as stand-alone matting in entrances and access points.*

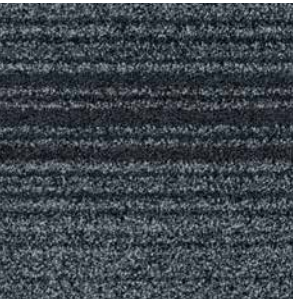
**Note: Boulevard 7000 is not recommended for use on staircases*

- Zones 3 & 4**
- > Interior Circulation Areas, Some Interior Entrances & Access Points and Other Areas
- Typical applications**
- > Used in conjunction with a primary mat or as a stand-alone mat

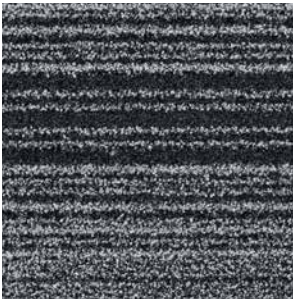


Boulevard™ 7000 : Specification

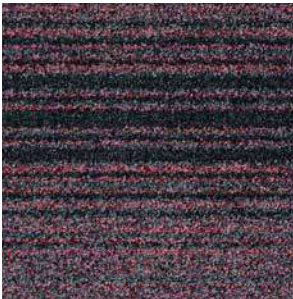
Boulevard 7000 textile wiper options
Interior applications



Black Ash LRV 3



Gray Birch LRV 6



Red Oak LRV 2



Hazelnut LRV 2

	Boulevard 7000
Product information	Sheet
Zone	Interior
Foot traffic	Heavy
Moisture & dirt removal	High
Product Dimensions	+/- 20m x 2m
Product Construction	Tufted Cut Pile
Surface Yarn	100% Solution Dyed Nylon
Total Carpet Weight	+/- 3525 g/m²
Tufted Pile Weight	+/- 825 g/m²
Primary Backing	Non-woven Polyester/Polyamide
Secondary Backing	pvc
Total Carpet Thickness	+/- 7mm
Warranty	10 Years

Secondary barrier matting product selection guide - see page 69.

Boulevard™ 6000

Secondary Barrier Matting

UPDATED

Boulevard 6000 is constructed from ECONYL® regenerated solution dyed nylon yarn and incorporates a heavy scraper fibre for optimum dirt removal and moisture retention. The range is available in a choice of eight colours in either sheet or tile format. Boulevard 6000 can be used in conjunction with a primary entrance mat and in some situations can be used as stand-alone matting in entrances and access points. The range is designed to complement Esplanade 6000, Mat-in-a-Box 6000 and Access 6000 primary barrier matting.

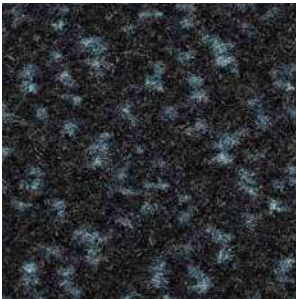
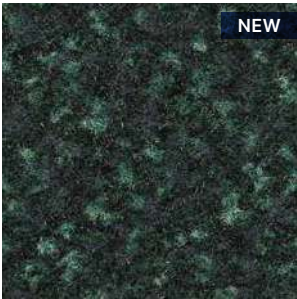


- Zones 3 & 4**
- > Interior Circulation Areas, Some Interior Entrances & Access Points and Other Areas
- Typical applications**
- > Used in conjunction with a primary mat or as a stand-alone mat. Also in lift lobbies, corridors and service areas



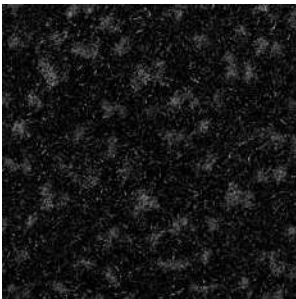



Boulevard™ 6000 : Specification

Boulevard 6000 textile wiper options

Interior applications



Shadow LRV 5Copper LRV 5Spruce LRV 3Galaxy LRV 3



Indigo LRV 4Storm LRV 3Nickel LRV 4Nightfall LRV 1

ECONYL®
ENDLESS POSSIBILITIES

The ECONYL® regenerated solution dyed nylon yarn provides excellent soil & moisture retention.

Product information	Boulevard 6000	
	Tile	Sheet
Zone	Interior	Interior
Foot traffic	Heavy	Heavy
Moisture & dirt removal	High	High
Product Dimensions	500mm x 500mm	25m x 2m
Product Construction	Tufted Cut Pile	Tufted Cut Pile
Surface Yarn	ECONYL® Regenerated SDN	ECONYL® Regenerated SDN
Total Carpet Weight	4850 g/m²	3450 g/m²
Tufted Pile Weight	950 g/m²	950 g/m²
Primary Backing	Non-woven	Non-woven
Secondary Backing	Polymer Modified Bitumen (contains 75% recycled material)	pvc
Total Carpet Thickness	8mm	7mm
Warranty	10 Years	10 Years

Secondary barrier matting product selection guide - see page 69.



Visit: www.gradus.com for full details



Tile



Sheet



UKCA



CE



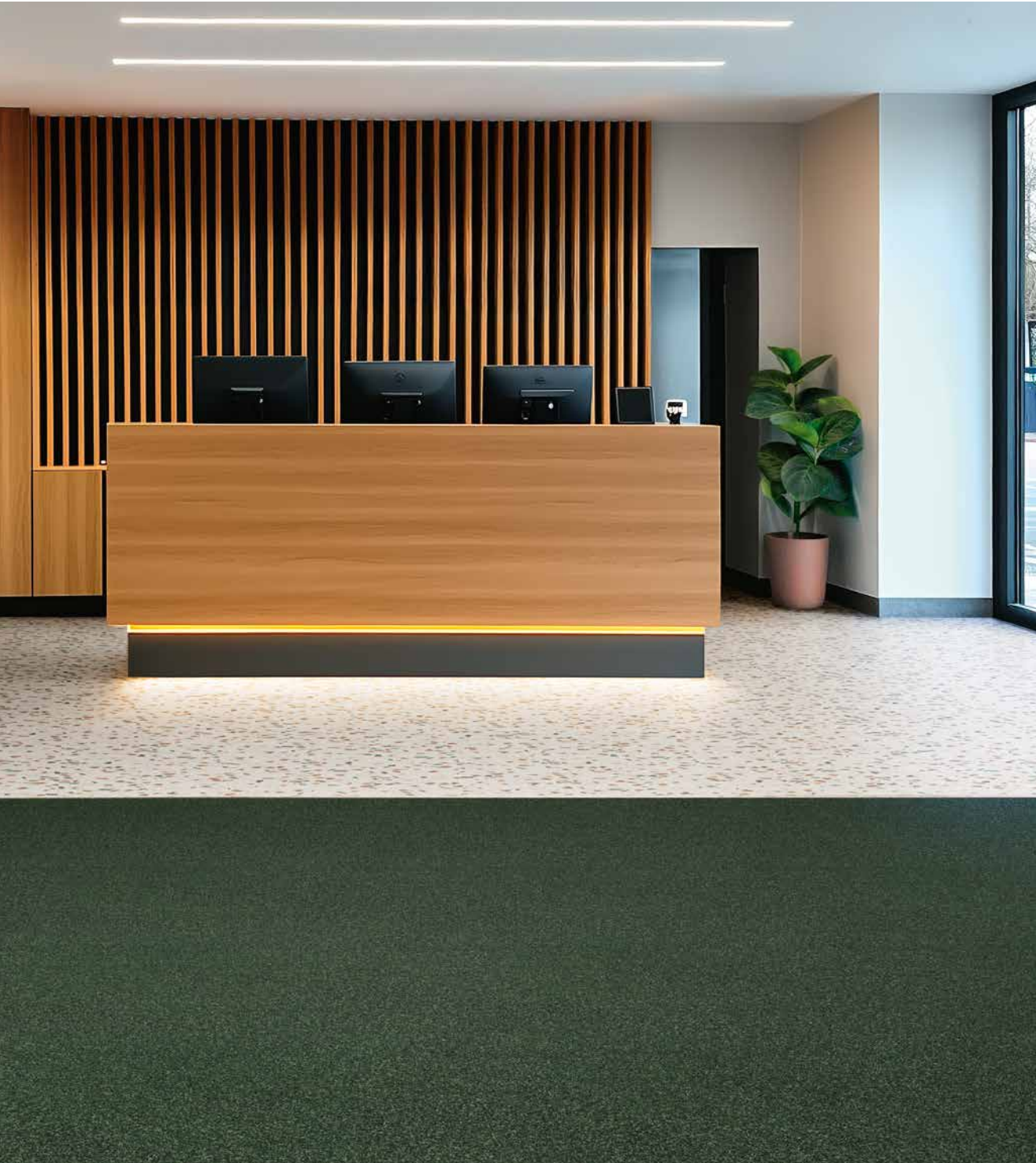
BRE Global Verified EPD

Boulevard™ 5000

Secondary Barrier Matting

UPDATED

Boulevard 5000 is constructed from ECONYL® regenerated solution dyed nylon yarn and incorporates a light scraper fibre for optimum dirt removal and moisture retention. The range is available in a choice of nine colours in either sheet or tile format. Boulevard 5000 can be used in conjunction with a primary entrance mat and in some situations can be used as stand-alone matting in entrances and access points. The range is designed to complement Boulevard Stripe secondary barrier matting, Mat-in-a-Box 5000 and Access 5000 hybrid barrier matting and Esplanade 5000 primary barrier matting.



Zones 3 & 4

- > Interior Circulation Areas, Some Interior Entrances & Access Points and Other Areas

Typical applications

- > Used in conjunction with a primary mat or as a stand-alone mat. Also in lift lobbies, corridors and service areas

Boulevard™ 5000 : Specification

Boulevard 5000 textile wiper options

Interior applications



Corncrake LRV 10



Kestrel LRV 5



Mallard LRV 5



Finch LRV 4



Kingfisher LRV 5



Cuckoo LRV 6



Moorhen LRV 3



Falcon LRV 5



Jackdaw LRV 2



The ECONYL® regenerated solution dyed nylon yarn provides excellent soil & moisture retention.



The Dementia Services Development Centre at the University of Stirling has accredited selected Boulevard 5000 designs for use within a dementia-inclusive environment.

Product information	Boulevard 5000	
	Tile	Sheet
Zone	Interior	Interior
Foot traffic	Heavy	Heavy
Moisture & dirt removal	High	High
Product Dimensions	500mm x 500mm	25m x 2m
Product Construction	Tufted Cut Pile	Tufted Cut Pile
Surface Yarn	ECONYL® Regenerated SDN	ECONYL® Regenerated SDN
Total Carpet Weight	4700 g/m²	3300 g/m²
Tufted Pile Weight	800 g/m²	800 g/m²
Primary Backing	Non-woven	Non-woven
Secondary Backing	Polymer Modified Bitumen (contains 75% recycled material)	pvc
Total Carpet Thickness	8mm	7mm
Warranty	5 Years	5 Years

Secondary barrier matting product selection guide - see page 69.



Visit: www.gradus.com for full details



Boulevard™ 1500

Secondary Barrier Matting

Boulevard 1500 is constructed from 100% polypropylene yarn and is available in a choice of four colours in sheet format. Boulevard 1500 can be used in conjunction with a primary entrance mat and in some situations can be used as stand-alone matting in entrances and access points. The range is designed to complement Mat-in-a-Box 1550 hybrid barrier matting and Esplanade 1500 primary barrier matting.

- Zones 3 & 4**
- > Interior Circulation Areas, Some Interior Entrances & Access Points and Other Areas
- Typical applications**
- > Used in conjunction with a primary mat or as a stand-alone mat



Boulevard™ 1500 : Specification

Boulevard 1500 textile wiper options

Interior applications



Terra LRV 11



Calculus LRV 9



Tempestas LRV 2



Marinus LRV 3

	Boulevard 1500
Product information	Sheet
Zone	Interior
Foot traffic	Medium
Moisture & dirt removal	Medium
Product Dimensions	15m x 2m
Product Construction	Needlepunch
Surface Yarn	100% Polypropylene
Total Carpet Weight	2600 g/m²
Tufted Pile Weight	1700 g/m²
Backing	Rubber
Total Carpet Thickness	10mm
Warranty	5 Years

Secondary barrier matting product selection guide - see page 69.

Visit: www.gradus.com
for full details



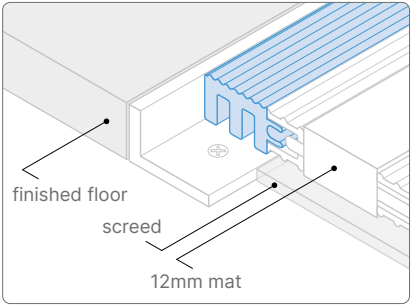
Installation Accessories

Gradus' installation accessories include a comprehensive selection of essential components designed to be used with Gradus Barrier Matting Systems to provide a complete finish for installations. Components include Edging, Expansion and Spacers Strips, as well as Support Pieces, Divider Bars and Push-in Hinges.


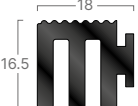



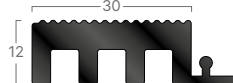


Edging Strips

Edging strips are used for on-site trimming and to provide a neat finish at the raw edge of the mat. Edging strips are supplied with each order.



ESP8512ES shown with 12mm Esplanade 8500 primary barrier mat.

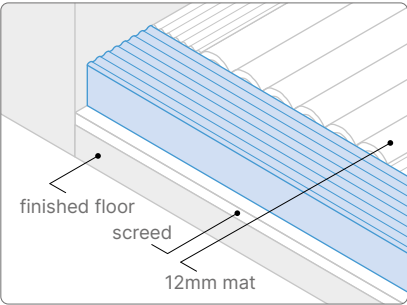
Code / Profile	Supplied with each order	Material	Colours
ESP8512ES 	Esplanade 9000 12mm Esplanade 8500 12mm	pvc	Black
ESP8518ES 	Esplanade 9000 18mm Esplanade 8500 18mm	pvc	Black
EPES4012 	Esplanade 6000 12mm Esplanade 5000 12mm Esplanade 1500 12mm	pvc	Black
EPES40 	Esplanade 6000 18mm Esplanade 5000 18mm	pvc	Black
ESP15ES40 	Esplanade 1500 16.5mm	pvc	Black
ESP10ES12 	Esplanade 1000 12mm	pvc	Black

Edging Strips

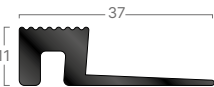
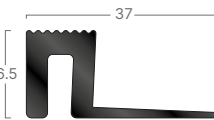
Code / Profile	Supplied with each order	Material	Colours
ESP10ES18 	Esplanade 1000 18mm	pvc	<div><div></div> Black</div>
MB12SP 	Mat-in-a-Box 12mm	pvc	<div><div></div> Black</div> <div><div></div> Glacier (Grey)</div>
MB18SP 	Mat-in-a-Box 18mm	pvc	<div><div></div> Black</div> <div><div></div> Glacier (Grey)</div>

Expansion Strips

Expansion strips are supplied with Mat-in-a-Box to allow for minor movement and to provide a neat finish.

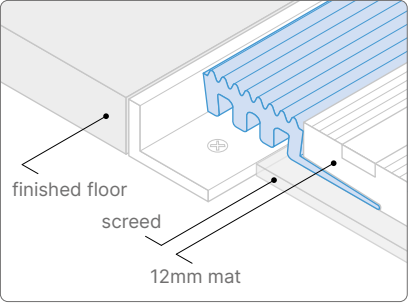


MB12EJ
shown with 12mm
Mat-in-a-Box
hybrid barrier mat.

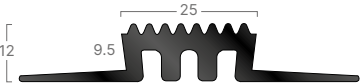

Code / Profile	Supplied with each order	Material	Colours
MB12EJ 	Mat-in-a-Box 12mm	pvc	<div><div></div> Black</div> <div><div></div> Glacier (Grey)</div>
MB18EJ 	Mat-in-a-Box 18mm	pvc	<div><div></div> Black</div> <div><div></div> Glacier (Grey)</div>

Spacer Strips

Spacer strips are supplied with Access & allow for minor movement within the mat and provide a neat finish at the raw edge of the mat. Spacer strips are supplied with each order.

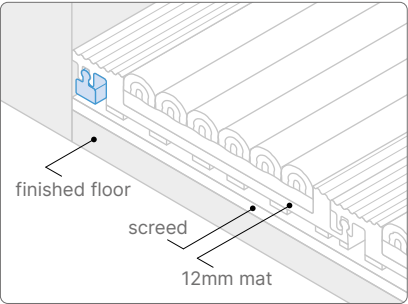


Trimmed SPA012
shown with 12mm
Access primary
barrier mat.



Code / Profile	Supplied with each order	Material	Colours
SPA012 	Access 6000 12mm Access 5000 12mm	pvc	<div><div></div> Black</div> <div><div></div> Grey</div>
SPA017 	Access 6000 17mm Access 5000 17mm	pvc	<div><div></div> Black</div> <div><div></div> Grey</div>

Support Piece

Support pieces are used when installing Mat-in-a-Box 6000, Mat-in-a-Box 5000 and Mat-in-a-Box 1550. Support pieces are supplied with each order.

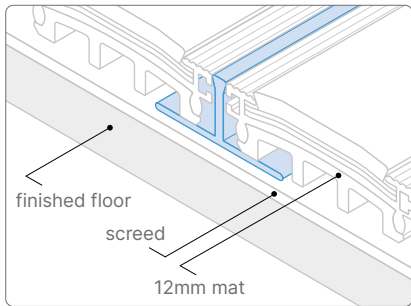


MB12SU
shown with 12mm
Mat-in-a-Box
hybrid barrier mat.

Code / Profile	Supplied with each order	Material	Colours
MB12SU 	Mat-in-a-Box 6000 12mm Mat-in-a-Box 5000 12mm Mat-in-a-Box 1550 12mm	Black pvc	<div><div></div> Black</div>
MB18SU 	Mat-in-a-Box 6000 18mm Mat-in-a-Box 5000 18mm Mat-in-a-Box 1550 18mm	Black pvc	<div><div></div> Black</div>

Divider Bars

Divider bars are used to achieve symmetrical design on mats exceeding two metres in width and are loose laid in line with the direction of traffic. Divider bars are supplied with each order.

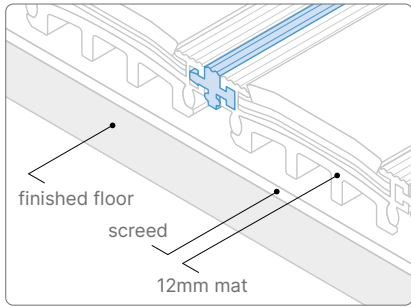


ADB012
shown with 12mm
Esplanade 6000
primary barrier mat.

Code / Profile	Supplied with each order	Material	Colours
ADB012 	Esplanade 6000 12mm Esplanade 5000 12mm Esplanade 1500 12mm Esplanade 1000 12mm	Aluminium	Natural
ADB018 	Esplanade 6000 18mm Esplanade 5000 18mm Esplanade 1500 16.5mm Esplanade 1000 18mm	Aluminium	Natural
T Bar 12 	Esplanade 9000 Esplanade 8500 Topguard Tyreguard	Aluminium	Natural
T Bar 18 	Esplanade 9000 Esplanade 8500 Topguard Tyreguard	Aluminium	Natural

Push-in Hinge

Push-in hinges are used when installing Esplanade 6000 & Esplanade 5000 in restricted areas. Push-in hinges are supplied with each order.



ESPPIJHCC
shown with 12mm
Esplanade 5000
primary barrier mat.

Code / Profile	Supplied with each order	Material	Colours
ESPPIJHCC 	Esplanade 6000 12mm Esplanade 5000 12mm Esplanade 6000 18mm Esplanade 5000 18mm	pvc	Black

Matting Accessories

Gradus offers a wide choice of matting accessories to help finish and protect the Barrier Matting System and create a safe transition to surrounding floor finishes.

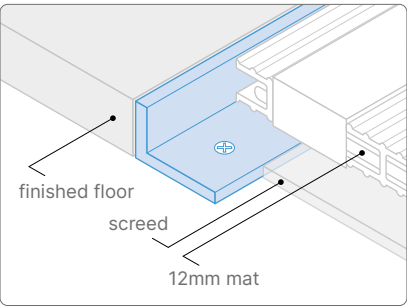
Matwell Frames include recess or ramping options in different gauges to suit all Gradus Primary & Hybrid Barrier Matting Systems. Recessed Frames are used when the matting is sunken into the sub-floor whereas ramping frames are used to surface mount the matting on top of a floor.

Transition Profiles include ramp edges and two-piece floor trims that are designed to provide a safe, neat transition between Gradus Secondary Barrier Matting and floorcoverings of the same or different height.

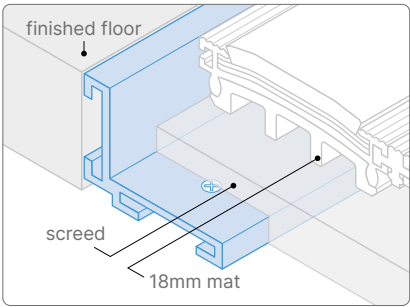


Recessed Frames

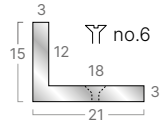
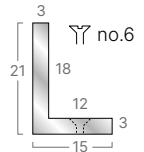
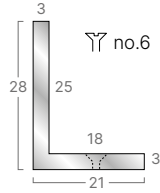
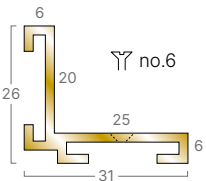
Recessed frames for use with Esplanade 9000, Esplanade 8500, Esplanade 6000, Esplanade 5000, Esplanade 1500, Esplanade 1000, Topguard, Tyreguard, Access 6000 & Access 5000, Mat-in-a-Box 6000, Mat-in-a-Box 5000 & Mat-in-a-Box 1550



UMFA12 laid to accommodate a 12mm Esplanade 8500 primary barrier mat.



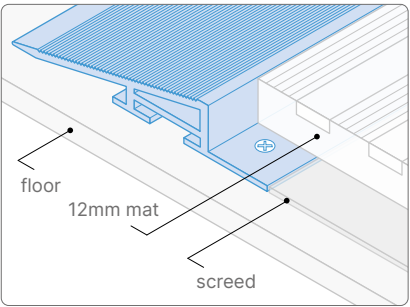
FRB026 laid to accommodate an 18mm Esplanade 6000 primary barrier mat.

Code / Profile	Material	Length	Colours / Finishes
UMFA12 	Aluminium	2.00m	<div><div></div> Natural</div> <div><div></div> Black Anodised</div> <div><div></div> Light Bronze Anodised</div> <div><div></div> Mid Bronze Anodised</div> <div><div></div> Dark Bronze Anodised</div>
UMFA18 	Aluminium	2.00m	<div><div></div> Natural</div> <div><div></div> Black Anodised</div> <div><div></div> Light Bronze Anodised</div> <div><div></div> Mid Bronze Anodised</div> <div><div></div> Dark Bronze Anodised</div>
UMFA25 	Aluminium	2.00m	<div><div></div> Natural</div> <div><div></div> Black Anodised</div>
FRB026 	Brass	2.50m	<div><div></div> Natural</div>

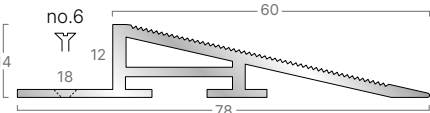
Ramping Frames

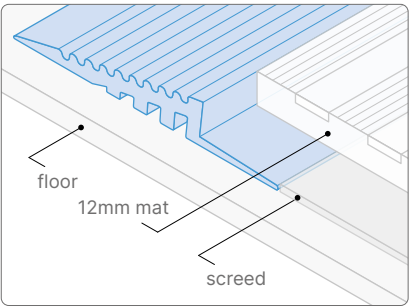
Ramped frames create a surface matwell. Mat is loose-laid on top of the floor.

Note: Ramping frames cannot be curved.

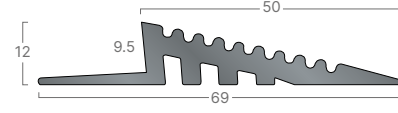


RMF60 laid to accommodate a 12mm Access primary barrier mat. *Note: ramping frames suitable for use with 12mm primary barrier mats (not suitable in areas subject to heavy trolley traffic).*

Code / Profile	Material	Length	Colours / Finishes
RMF60 	Aluminium	3.00m	<div><div></div> Natural</div>



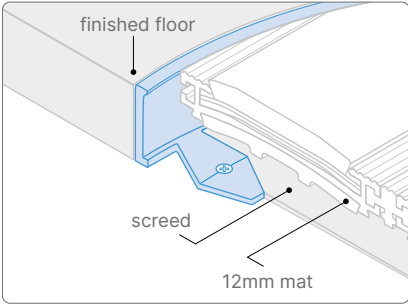
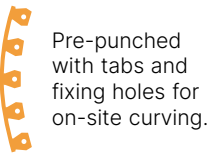
RAM012 laid to accommodate a 12mm Access 6000 hybrid barrier mat.

Code / Profile	Material	Length	Colours / Finishes
RAM012* 	pvc	2.50m	<div><div></div> Black</div> <div><div></div> Grey</div>

**Note: RAM012 for use with surface-mounted Access 6000 & Access 5000 & Mat-in-a-Box 6000, Mat-in-a-Box 5000 & Mat-in-a-Box 1550 12mm. Available in Black and Grey*

Matwell Frames - Formable

ETR trims allow design flexibility where a formed matwell frame is required. ETR trims are available in aluminium and brass and are suitable for use with the majority of Gradus primary barrier matting.



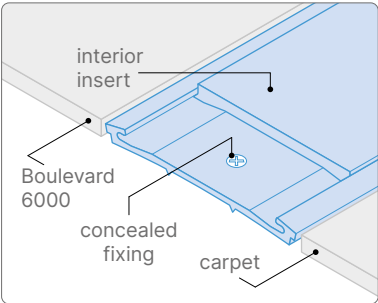
ETR306F0 laid to accommodate a 12mm Esplanade 5000 barrier mat.

Code / Profile		Material	Length	Colours / Finishes	
ETR305F0		Aluminium	2.50m	F0 Natural	
ETR306F0		Aluminium	2.50m	F0 Natural	
ETR312F0		Aluminium	2.50m	F0 Natural	
ETR309F0		Aluminium	2.50m	F0 Natural	
ETR305F7		Brass	2.50m	F7 Polished	
ETR306F7		Brass	2.50m	F7 Polished	
ETR309F7		Brass	2.50m	F7 Polished	

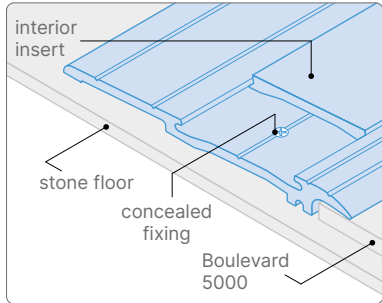
Transition Profiles - Trans-Edge®

Trans-Edge trims provide a safe transition between Boulevard secondary barrier matting and floorcoverings of the same or different heights. For use in the most demanding environments, where frequent heavy foot and trolley traffic can be expected eg. railway stations, airports, transport interchanges, department stores and hospitals.

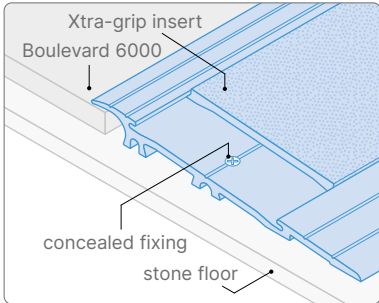
Trans-Edge trims comprise an aluminium base channel with a choice of slip-resistant Elite inserts. Standard interior insert is available for interior dry conditions. Xtra-grip insert is available for interior areas that are at risk of becoming wet and therefore pose a higher risk of slip. For further details visit www.gradus.com



ELACS5040 shown with Boulevard 6000 barrier matting to carpet.



ELAR830 shown with stone floor to Boulevard 5000 barrier matting.



ELAR950 shown with stone floor to Boulevard 6000 barrier matting.

Code / Profile		Material	Length	Colours / Finishes	
ELACS5040		Aluminium PVC-u Insert (ELINS40)	2.50m Insert: 25m coil	Available in a choice of 16 interior insert colours. Visit www.gradus.com for further details	
ELAR830		Aluminium PVC-u Insert (ELINS30 or ELINSXG30)	2.50m Inserts: 15m coils	Available in a choice of 4 Xtra-grip and 16 interior insert colours. Visit www.gradus.com for further details	
ELAR950		Aluminium PVC-u Insert (ELINS50 or ELINSXG50)	2.50m ELINS50: 25m coil ELINSXG50: 15m coil	Available in a choice of 4 Xtra-grip and 16 interior insert colours. Visit www.gradus.com for further details	
ELAR1250		Aluminium PVC-u Insert (ELINS50 or ELINSXG50)	2.50m ELINS50: 25m coil ELINSXG50: 15m coil	Available in a choice of 4 Xtra-grip and 16 interior insert colours. Visit www.gradus.com for further details	

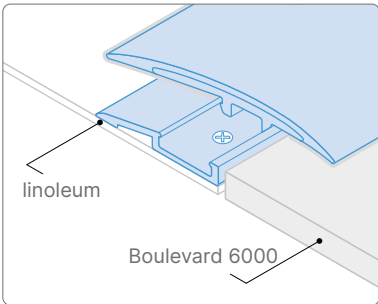
Transition Profiles - Clip-Top™

Clip-Top trims provide a neat, safe transition between Boulevard secondary barrier matting and floorcoverings of the same or different heights. This two-piece product comprises PVC-u tops, which can be replaced so that the colour can be altered as part of a refurbishment programme, or if a worn or damaged section needs to be changed, without renewing the base or disrupting the fitted floorcovering.


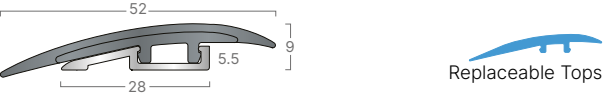


Available in a choice of colours to suit most interior design schemes. A selection of Clip-Top products are shown below. For more information visit www.gradus.com



For further information see pages 96-97 or visit www.gradus.com



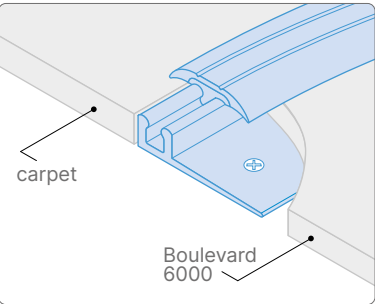
RT52/AFT28 linoleum to Boulevard 6000 barrier matting. Note: AFT28 fitted on top of the linoleum.

Code / Profile		Material	Length	Colours / Finishes
RT42 / AFT28 UK/EU Registered Design no 9/001201941		PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none">BlackGraniteDoveFawnBrownClayBluebell
RT52 / AFT28 UK/EU Registered Design no 9/001201941		PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none">BlackGraniteDoveFawnBrownClayBluebell
RT35M / AFT13		Metallic PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none">Burnt AlmondZincDoublounPlatinumSilver
TT35 / AFT15 UK/EU Registered Design no 9/001201941		PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none">BlackGraniteDoveFawnBrownClayBluebell

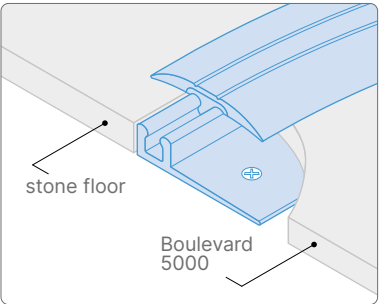
Transition Profiles - Clip-Top fx®

Clip-Top fx trims provide a neat, safe transition between Boulevard secondary barrier matting and floorcoverings of the same or different heights. This two-piece product comprises PVC-u tops and a choice of bases: PVC-u for curves and aluminium for straights. The product can be easily formed on-site without the need for heat application, reducing the requirements for pre-fabricated curves. The tops can be replaced so that the colour can be altered as part of a refurbishment programme, or if a worn or damaged section needs to be changed, without renewing the base or disrupting the fitted floorcovering.

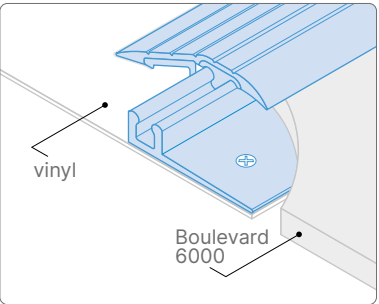
Available in a choice of 7 colours to suit most interior design schemes. For more information visit www.gradus.com






FXT21/FXB336 carpet to Boulevard 6000 barrier matting.



FXT31/FXB336 stone floor to Boulevard 5000 barrier matting.



FXR40/AFT336 vinyl to Boulevard 6000 barrier matting.

Code / Profile		Material	Length	Colours / Finishes
FXT21 / FXB336		PVC-u Top PVC-u Base	2.50m	<ul style="list-style-type: none">BlackGraniteDoveFawnBrownClayBluebell
FXT31 / FXB336		PVC-u Top PVC-u Base	2.50m	<ul style="list-style-type: none">BlackGraniteDoveFawnBrownClayBluebell
FXR40 / AFT336		PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none">BlackGraniteDoveFawnBrownClayBluebell

Specification Guidelines

Factors to consider when specifying a mat

Ensuring the safety of visitors and staff at a building entrance is critical in making a positive first impression.

To help prevent slip, trip and fall accidents, the entrance flooring should not present a hazard to the user in normal use and should not become slippery when wet. With the main source of wet contamination at entrances being water carried on footwear and tyres of wheeled traffic, a suitable entrance matting system is vital in removing and retaining moisture to stop it being transferred to internal floorcoverings.

Peak Flow Rate

Also known as ‘volume of traffic’, the peak flow rate predicts the concentration of traffic and identifies the key times of day when people enter or exit the building.

Example 1: School

- Two main times of day when a heavy concentration of traffic enter or exit the building
- Specification - heavy duty mat to cope with a high flow rate

Example 2: High Street Shop

- Consistent flow of traffic
- Specification - Secondary barrier matting used in conjunction with a primary mat to increase moisture removal

The provision of overhead heaters can also help with the evaporation of moisture to speed up the drying time of the mat.

Width of Matting

Matting should cover the entire entrance of a building, including any side entrances.

As the first point of contact and, therefore, the first opportunity to stop dirt and moisture being tracked into any building, traffic should not be able to avoid the entrance matting.

In some instances certain entrances are favoured, i.e. those close to toilets, canteen areas or entrances that have automatic doors, so it is important to ensure all access points are covered.

A larger quantity of matting at the favoured entrances is advised in these circumstances to guarantee an adequate amount of matting is provided to cope with the level of traffic.

Length of Matting

HSL and EFSA have provided guidelines on the length of matting that should be installed based on the number of people entering a building per hour:

Flow Rate	People Per Hour	Minimum Length
Low	78	3-4 metres
Medium	400	6-7 metres
High	800	8-10 metres

Fitting the recommended amount of matting may not always be possible and small premises, such as a high street travel agent, may only be able to accommodate a small primary entrance mat.

Using barrier matting as a floorcovering to support the entrance mat provides an ideal solution in these situations to increase dirt and moisture removal.

It is crucial to specify enough matting from the outset as modifying the entrance can be costly once the mat / matwell are installed.

A study of pedestrian flow rates at entrances has been undertaken by the Health & Safety Laboratory (HSL) and the Entrance Flooring Systems Association (EFSA), simulating the use of entrance matting to quantify water removal using a laboratory test method developed by EFSA. The findings showed six main points should be considered when choosing an entrance matting system.

Environmental Factors

The external environment has an impact on the matting that is selected e.g.

- Does the entrance come straight off the street?
- Is there a canopy to shield the entrance from elements such as wind and rain?

If not, more thought should be given to specifying a more heavy duty entrance mat that will be able to cope with harsher levels of dirt and moisture ingress.

If under-specified, the mat will soon become saturated and unable to retain any more moisture and as a result these contaminants would be tracked onto surrounding floorcoverings, increasing the risk of slip, trip and fall accidents.

Type of Traffic

Matting should be suitable for both foot and wheeled traffic to meet the latest guidelines (see pages 93-94).

It is the level of each type of traffic, however, that needs to be considered to provide the optimum specification for the environment.

Example 1: Office

- The majority of traffic is likely to be pedestrian with a low volume of wheeled traffic

Example 2: Supermarket

- A high concentration of both wheeled and foot traffic would be expected

Sustainability

Sustainability is now a key factor for consideration in all building design.

Products that support the environment, such as those with a high recycled content or those that have a high BREEAM rating, are favoured over those that are not as environmentally friendly.

Gradus Boulevard 6000 barrier matting has been BRE certified whilst Tyreguard primary matting incorporates 100% recycled wipers made from aeroplane tyres.

The study also highlighted some common errors when specifying matting, which can be detrimental to an installation.

To ensure the optimum specification:

- X DON'T** use throw down mats
- X DON'T** leave a gap between the entrance and the matting
- X DON'T** use mats that impede the movement of wheelchairs (or other wheeled vehicles), i.e. Coir
- X DON'T** forget to clean the mat to maintain its effectiveness

Specification Guidelines

The Building Regulations and British Standards specifying the right product

The Building Regulations and British Standards are designed to ensure the optimum specification of products through a combination of legislative requirements and guidance. The following extracts have been taken from The Building Regulations 2010 and British Standards BS 7953:1999, BS 8300-2:2018 and BS 9266:2013 to show how Gradus products can be used to help satisfy these requirements, and help achieve an inclusive environment in line with the Equality Act 2010. For further details on this or any other aspect of The Building Regulations and British Standards contact Gradus Technical Support on 01625 428922.

Note: Details of standards and guidelines are correct at time of going to print. Current standards should be checked prior to specifying.

The Building Regulations 2010 - Approved Document M “Access to and use of buildings”

(2015 edition incorporating 2020 and 2024 amendments – for use in England)The latest version of Approved Document M 2015 is stated ‘for use in England’. Current building standards should be checked at time of specification for Wales, Scotland and Northern Ireland.

Approved Document M is split into two parts:

- Volume 1: Dwellings
- Volume 2: Buildings other than dwellings

The below abstracts of guidance are taken from Volume 2.

Approved documents are intended to provide guidance and much of the guidance in Approved Document M is based on BS 8300. The guidance contained in Approved Document M is designed to indicate one way in which requirements may be met. There may be other equally satisfactory ways of meeting the requirements. The main points relating to entrance matting detailed in Approved Document M are shown below, with supporting recommendations by Gradus shown in blue text.

The Legal Requirement

Part M Access to and use of buildings Access and Use

M1/M2. Reasonable provision shall be made for people to -

- a) gain access to, and
- b) use the building and its facilities

Entrance Lobbies

- 2.29 (e) Floor surface materials within the lobby do not impede the movement of wheelchairs e.g. not coir matting, and changes in floor materials do not create a potential trip hazard.
[All Gradus barrier matting featured within this catalogue is suitable for use with wheelchairs.](#)
- 2.29 (f) the floor surface helps to remove rainwater from shoes and wheelchairs.
[A combination of Gradus primary and secondary barrier matting will help prevent the ingress of rainwater.](#)
- 2.29 (g) Where matwells are provided, the surface of the mat is level with the surface of the adjacent floor finish.
[Gradus offers a range of matwell frames and primary barrier mats designed to work together to provide a smooth transition to the surrounding floor finish.](#)

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BS 7953:1999

Entrance flooring systems - Selection, installation and maintenance

This British Standard describes types of interior and exterior entrance flooring systems and gives recommendations for methods of selection, planning, installation and maintenance. Gradus' advice and recommendations are shown in blue text.

The function of the entrance flooring system is to reduce the incidence of slip accidents by reducing the amount of soil and moisture tracked onto hard and resilient floors... an entrance flooring system should have the following qualities:

- removal and retention of soil;
- ease of cleaning and maintenance;
- retention of physical characteristics

[Gradus Barrier Matting Systems effectively remove soil and moisture from both foot and wheeled traffic. The design and materials used within Gradus matting ensure that the products can be easily cleaned and maintained.](#)

BS 8300-2:2018

Design of an accessible and inclusive built environment Part 2: Buildings - Code of practice

This standard provides guidance or good practice in the design of non-domestic buildings - Everyone, including disabled and older people with particular access requirements, should be able to enter, use and leave a building easily, comfortably and independently, including being able to escape in the event of fire or other emergency. Gradus' advice and recommendations are shown in [blue text](#).

[Gradus Barrier Matting Systems effectively remove soil and moisture from both foot and wheeled traffic. The design and materials used within Gradus matting ensure that the products can be easily cleaned and maintained.](#)

Entrances

- 8.1.1 General**

Unless suitably designed, the entrance to a building can often be a barrier to access. The following factors should be addressed in the design of the entrance to a building:

 - a) the prominence and visual relationship of the entrance with its surroundings both internally and externally.
 - b) the type of threshold needed to allow safe and step-free access.
- 8.6.1 Entrance flooring systems**

At entrances to commercial buildings and buildings used by the general public, a suitable entrance flooring system to remove water and debris from the soles of shoes and wheelchair wheels should be provided, taking account of the volume of pedestrian flow and the distance required to accommodate the circumference of a large wheelchair wheel (a minimum of 2000mm).

Matting and other floor surfaces should conform to the recommendations in 11.3.

NOTE 1 Guidance on the selection, planning, installation and maintenance of entrance flooring systems is given in BS 7953.

[Useful products: Entrances are prone to heavy soiling and moisture ingress, which should be removed at the access points to a building to increase life expectancy and reduce maintenance costs of the adjacent floorcovering. Combinations of exterior and interior primary matting and secondary barrier matting can be installed to provide](#)

Specification Guidelines

The Building Regulations and British Standards specifying the right product

attractive, functional barrier solutions that ensure adequate removal of both tracked in dirt and moisture. Gradus offers a range of primary mats (Esplanade 9000, Esplanade 8500, Esplanade 6000, Esplanade 5000, Esplanade 1500, Esplanade 1000, Topguard, Tyreguard, Access 6000, Access 5000, Mat-in-a-Box 6000, Mat-in-a-Box 5000 & Mat-in-a-Box 1550) that can be used in conjunction with secondary barrier matting (Boulevard 1500, Boulevard 5000, Boulevard 6000, Boulevard 7000 & Boulevard Stripe) to fulfil this requirement.

Reception Areas / Foyers

8.6.2 Reception area

Floor surfaces within reception areas should be free from obstructions, have a firm, slip-resistant surface (see Annex C) and allow easy manoeuvre of a wheelchair.

Useful products: Foyers and reception areas are typically heavily trafficked circulation areas, often located near the entrance to buildings. They require hard-wearing floorcoverings that are easy to clean and will retain their appearance, in order to ensure that important first impressions are made. Products from the Boulevard range provide an ideal solution.

Corridors / Passageways

9.1 Corridors and passageways

Choosing appropriate floor, wall and ceiling materials that contrast visually with adjacent surfaces, and careful use of natural and artificial lighting, will benefit people who are blind or partially sighted and people with sensory/neurological processing difficulties.

9.1.3 Floors in corridors

Floor patterning that could be mistaken for steps, e.g. stripes, should not be used for floors in corridors.

Useful products: Main circulation areas, such as corridors, are often exposed to high and frequent levels of footfall. The introduction of a secondary barrier mat such as Boulevard will increase life expectancy and reduce wear and maintenance of surrounding floor finishes.

General

11.1 Visual characteristics

The LRV of a wall should be 30 points different from that of the ceiling and of the floor.

11.3 Floor surfaces

Very shiny surfaces should be avoided due to problems with glare and the fact that they are perceived as being slippery even when they have a slip-resistant surface.

Large, repeating patterns that incorporate bold contrasting colours or simulate steps should not be used for any floor surface.

NOTE 1 People who are blind or partially sighted, and people with sensory/neurological processing difficulties, can be confused by bold patterns used in floor coverings and might read them as changes in level.

Floor surfaces should offer a level of slip resistance that provides a firm foothold and good wheel grip under normal conditions of use. Adjacent floor surfaces should have similar levels of slip resistance.

The ingress of soil and surface moisture to buildings, or their transfer between adjacent internal areas, should be reduced to the lowest practicable level, e.g. through the use of appropriate entrance flooring systems, conforming to BS 7953 (see also 8.6.1).

Any matting should either have its surface level with the adjacent floor finish or, if surface laid, be of a type that has a rubber backing and chamfered edges. If, in exceptional circumstances other types of surface laid mats are used, they should be securely fixed to the floor at their edges and at any joints, to avoid the risk of tripping or slipping.

At wheelchair turning points and other heavily used areas other than entrances where entrance flooring systems are in use, carpet should be securely fixed on firm backing. Carpet construction, pile height and underlay type should be taken into account when assessing the suitability for wheelchair users and for people using walking sticks or frames.

Deep pile carpets and coir matting on the surface of the floor or within a mat well should not be used.

BS 9266:2013

Design of accessible and adaptable general needs housing - Code of practice

The requirements of a dwelling's occupants can change as a result of accident, illness or ageing, giving rise to reduced mobility or increasing sensory loss. In order to meet these changing requirements, homes need to be accessible and adaptable; accessible for both visitors and residents and adaptable to meet residents' changing needs both temporary and longer term.

This standard outlines recommendations for design features which can be incorporated when the dwelling is first built, or have provision made at the outset for their future adaptation. This helps reduce the need for expensive or disruptive alterations or substantial adaptations in the future.

Extracts of BS 9266:2013 are reproduced below with Gradus' advice and recommendations shown in blue text.

Guidance on entrance matting

7 Entrances to individual houses or blocks of flats

7.8 Entrance matting in blocks of flats

A communal entrance lobby of a block of flats should have an entrance flooring system to help collect water and debris from the soles of shoes, etc. To minimize the risk of slips, trips and falls, any matting should either have its surface level with the adjacent floor finish or, if surface laid, be of a type that has a slip-resistant backing and chamfered edges.

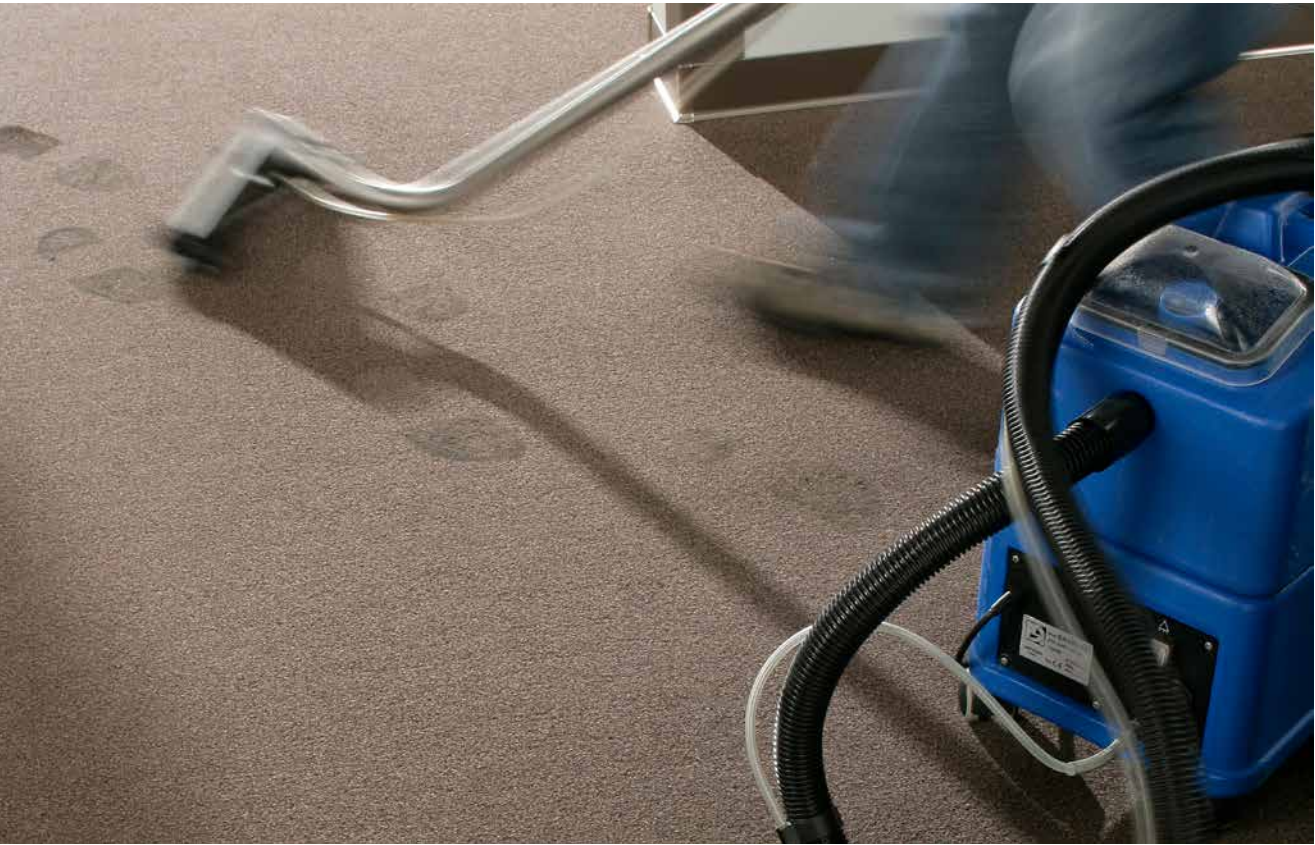
Note Guidance on the selection, planning, installation and maintenance of entrance flooring systems is given in BS 7953.

Gradus offers a range of matwell frames and primary barrier mats designed to work together to provide a smooth transition to the surrounding floor finish.

Useful products: Entrances are prone to heavy soiling and moisture ingress, which should be removed at the access points to a building to increase life expectancy and reduce maintenance costs of the adjacent floorcovering. Combinations of exterior and interior primary matting and secondary barrier matting can be installed to provide attractive, functional barrier solutions that ensure adequate removal of both tracked in dirt and moisture. Gradus offers a range of primary mats (Esplanade 9000, Esplanade 8500, Esplanade 6000, Esplanade 5000, Esplanade 1500, Esplanade 1000, Topguard, Tyreguard, Access 6000, Access 5000, Mat-in-a-Box 6000, Mat-in-a-Box 5000 & Mat-in-a-Box 1550) that can be used in conjunction with secondary barrier matting (Boulevard 1500, Boulevard 5000, Boulevard 6000, Boulevard 7000 and Boulevard Stripe) to fulfil this requirement.

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Cleaning & Maintenance Guidelines



A planned cleaning and maintenance programme is crucial to help maintain the performance and visual appearance of Gradus barrier matting and to maximise the lifespan of the product. Trained cleaning staff or a reputable contract cleaner should be used.

Daily Cleaning

Sweep and vacuum daily to remove surface soil using a heavy duty upright vacuum cleaner with a brush or tub vacuum cleaner with a power head. Inspect for chewing gum and remove as necessary (see chewing gum removal for more information).

If the matting is wet, the area should be vacuumed using a wet pick up machine to remove as much water / soil as possible.

Deep Cleaning

To maintain a good visible standard, the matting will require deep cleaning on a weekly / monthly / as required basis (depending on weather conditions and volume of traffic). Deep cleaning can be carried out using various methods, depending on equipment availability.

In all cases, deep cleaning must follow brushing and vacuuming. Attention must be given to stains by using a pre-treatment of carpet spot and stain remover and chewing gum remover if required.

A) Preferred Method: The use of a conventional jet extraction machine, using a conventional floor tool, scrubbing the carpet and continuing to extract as much water as possible. This method leaves the carpet as dry as possible.

B) Deep Soiled Matting: As with all other maintenance methods, always prepare the carpet by vacuum cleaning prior to treatment. The cleaning professional may consider a combination of a rotary scrubbing machine fitted with a carpet brush and extraction equipment to get improved results.

Recommended Cleaning Products

Gradus has worked with Selden Research to undertake extensive testing on Gradus barrier matting products. As a result, a range of cleaning products has been recommended for use with Gradus matting.

Chewing Gum Removal

Chewing gum can be removed by applying a suitable chewing gum remover. Lightly spray onto the affected area and allow the product to take effect. Scrape off with a blunt object such as a spatula.

For further information about these cleaning products, including instructions for use and COSHH data sheets, please contact:

Selden Research Limited, Staden Business Park, Staden Lane, Buxton, Derbyshire, SK17 9RZ.
Tel: 01298 26226 Email: gradus@selden.co.uk
Website: www.selden.co.uk

A guide to inclusive design for independent living

People with dementia may see the world differently. What may look 'normal' to us could potentially disorientate a person living with dementia, causing distress or even injury. As a result, the buildings we create must be designed with a deep understanding of the ways in which those with dementia will experience them – from the types of materials used to the interplay of different colours and tones. Furthermore, designing to support people living with dementia is also supportive of an ageing population, which has never been more important.

Why is designing for independent living important

The ONS in 2018 highlighted that the UK has an aging population.

Age UK estimate that:

- There are currently 12 million people aged 65 and over
- 5.5 million aged 75+
- 1.6 million aged 85+
- By 2030 it is anticipated that over 21% of the population will be over 65

The number of years of life expected to be spent without a disability or in good health is commonly referred to as disability-free life expectancy or healthy life expectancy (ONS, 2018). The likelihood of being disabled and / or experiencing multiple chronic and complex health conditions increases with age (ONS, 2018).

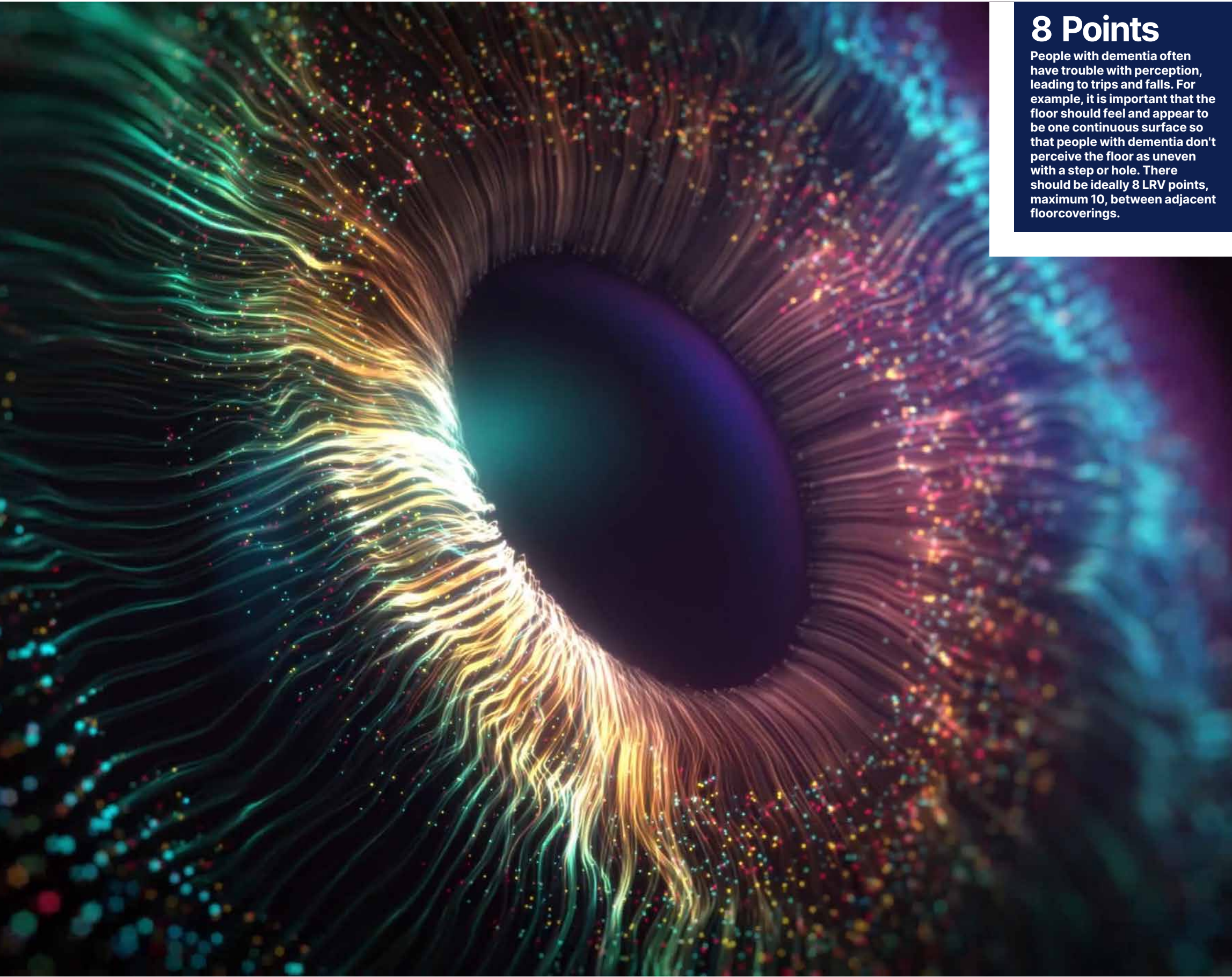
In general, a person living with dementia tends to be older - age is the biggest risk factor for developing a disease that causes dementia. It is important therefore that designers consider the needs of the older generation and start to plan and design for independent living for today, tomorrow and the future.

We teamed up with the Dementia Services Development Centre (DSDC) at the University of Stirling, an international organisation with more than 30 years' experience in improving the lives of people with dementia through the development of research-led design principles.

As a result of this work, the DSDC has certified an extensive range of our products as suitable for use in buildings used by people living with dementia.



Scan the QR code
to see all Gradus DSDC
accredited references



8 Points

People with dementia often have trouble with perception, leading to trips and falls. For example, it is important that the floor should feel and appear to be one continuous surface so that people with dementia don't perceive the floor as uneven with a step or hole. There should be ideally 8 LRV points, maximum 10, between adjacent floorcoverings.

Our website is packed with useful information and documentation, intended to make the product selection and specification of our products easier.

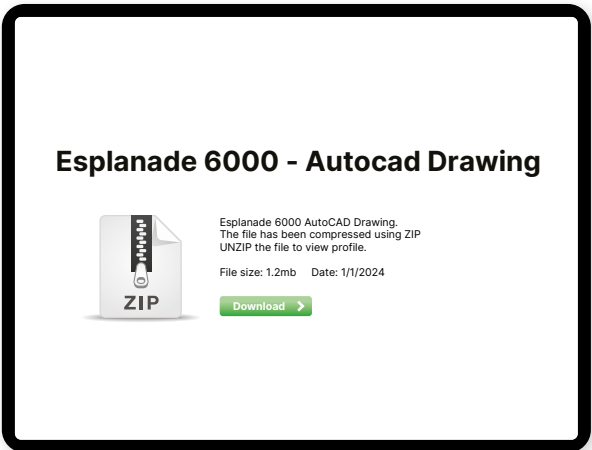
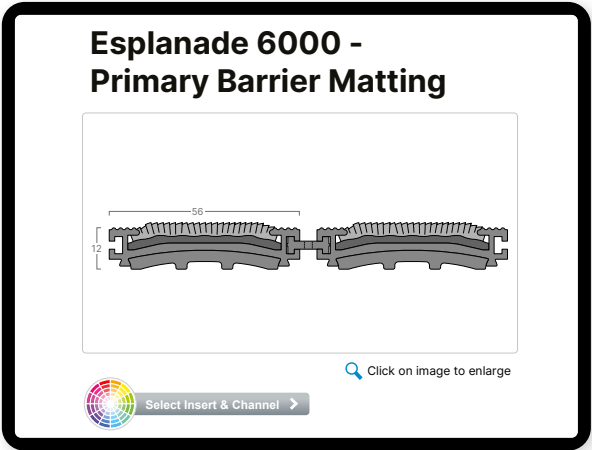


1
Information

- The Gradus website features a host of informative tools and documents including:
- > Latest News, Product Launches & Blogs
 - > Details about Additional Services we offer
 - > The Gradus Knowledge & Product Sector guides
 - > Gradus UK Distributor List

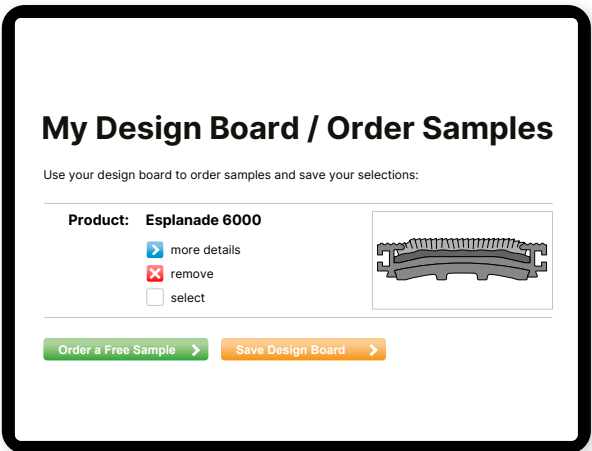
2
Products

Discover solutions from the wider Gradus portfolio spanning across barrier matting, stair edgings, floor trims, carpets, wall protection and LED lighting systems. Don't forget to look out for our advanced stair edgings search tool.



3
Downloads

Access the full suite of Gradus brochures and supporting documents including AutoCAD drawings, product data sheets, cleaning & maintenance instructions, installation guidelines and health & safety data sheets.



4
Free Samples

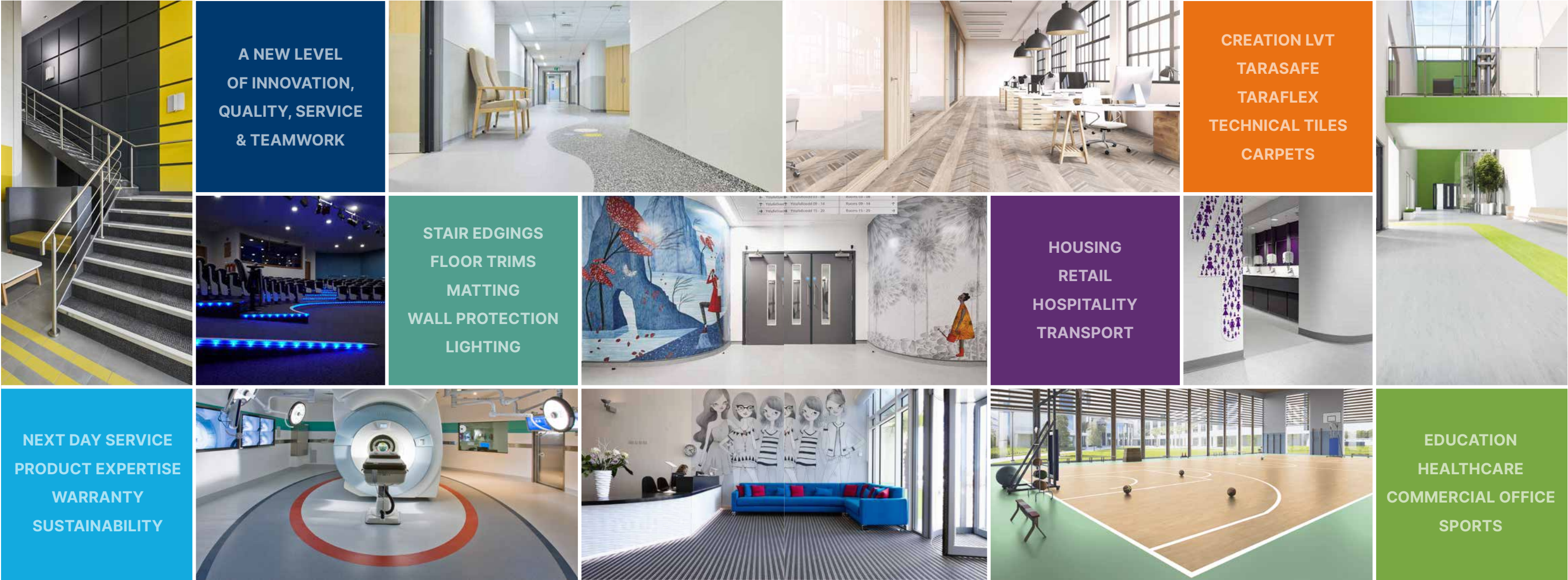
Samples of our products are readily available on request and we aim to despatch your order within 24 hours.

A Fusion of Products & Values

Gerflor and Gradus offer products which are ideal for use in a wide variety of applications including healthcare, commercial office, education, retail, hospitality & leisure and housing. Products can be combined to provide a complete package that balances performance, aesthetics and cost alongside environmentally responsible manufacturing processes.

A Fresh Approach

We believe passionately in providing the customer with the very best in terms of service. Through our combined team we can offer expert advice to help with product selection backed up with extensive UK stocks to ensure our products are delivered on-time, every-time.



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