



24-45 Textile Floor Coverings

46 Service Products & Accessories

47 Contact us

Within our portfolio you will find high performance entrance systems, linoleum flooring, textile carpets and flocked floor coverings, and the widest range of design and colourways on the market, giving you a world of choice. We also supply all the necessary adhesives, accessories and specialist tools your installation team might need.

flooring solution, your Forbo Account Manager will work directly with our experienced and talented in-house design team to deliver custom floor covering designs that are guaranteed to give your rail interiors a truly individual look.

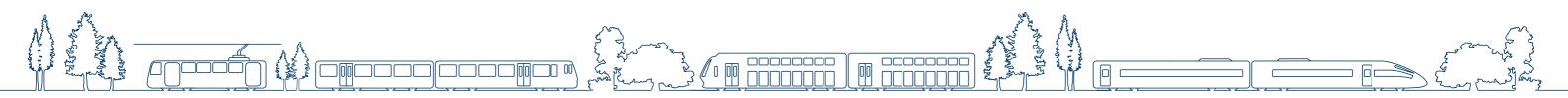
cross border project management

You can rely on Forbo to deliver an exceptional total flooring solution for your rail project.





Floor coverings for rail:



ENTRANCE SYSTEMS

coral® FR

Key benefits:

Dirt removal, moisture absorption, soil hiding

coral® classic FR
coral® duo FR
coral® brush FR

RESILIENTS

marmoleum[®] FR

Key benefits:

Natural, sustainable, scuff resistant, easy to clean

marmoleum® fresco FR
marmoleum® real FR
marmoleum® vivace FR
marmoleum® concrete FR
marmoleum® striato FR

TEXTILES

tessera® FR

Key benefits:

Warm, comfortable, slip resistant, good acoustic properties

tessera® alignment FR
tessera® helix FR

flotex® FR

Key benefits:

Easy to clean, extensive custom design capabilities, high durability

flotex[®] colour FR flotex[®] vision FR

coral® move FR

Key benefits:

Extensive design capabilities, moisture absorption, warm, comfortable, high durability



coral® FR

First impressions are crucial, which is why effective entrance flooring that stops dirt and moisture being tracked into carriages and saloon areas is fundamental to modern train design.

By removing wet and dry soiling from the soles of shoes and wheel treads, an effective entrance system reduces premature wear and tear to interior floor coverings, minimises cleaning and maintenance costs and protects passengers by reducing slip hazards.

Benefits:

- High moisture absorption
- Dirt scraping for effective clean-off
- High dirt storage
- Advanced colouring and design choice
- Excellent soil hiding properties
- Reaction to fire EN 45545-2: HL2.

Providing the ideal solution for rail vehicle entrances, Coral entrance flooring is available in three different formats: Classic, Brush and Duo – each with their own unique benefits.







coral[®] classic FR

The ultimate moisture absorbing clean-off system.

Coral Classic is available in 13 colours

coral[®] duo FR

For unbeatable soil removal, especially in compact areas.

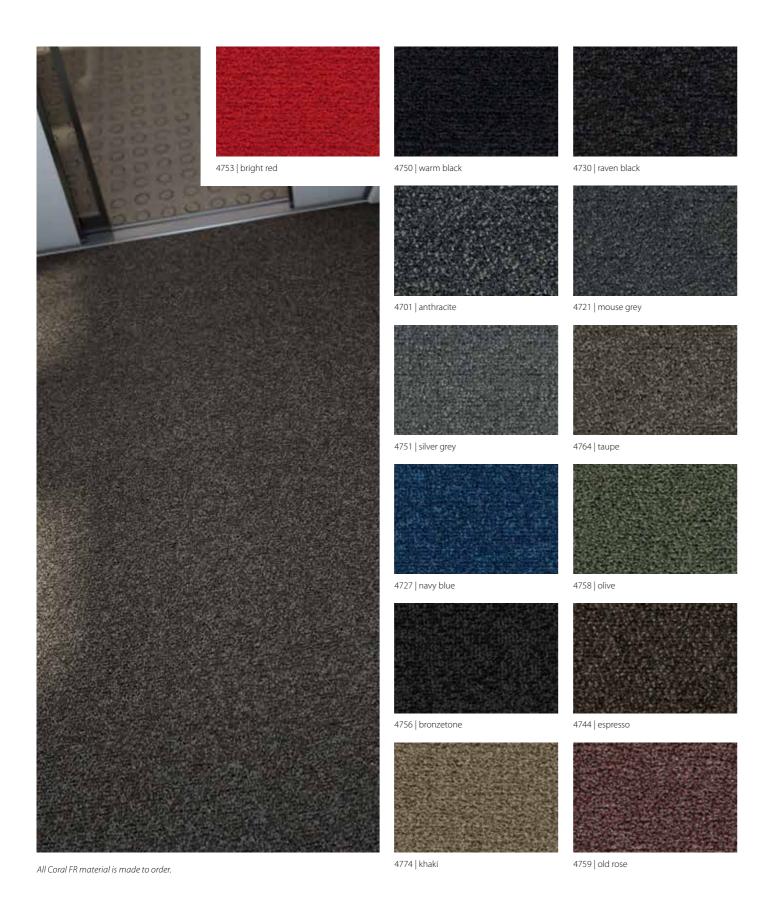
Coral Duo is available in 8 colours

9730 | black diamond

9727 | volga blue

9724 | cafe supreme

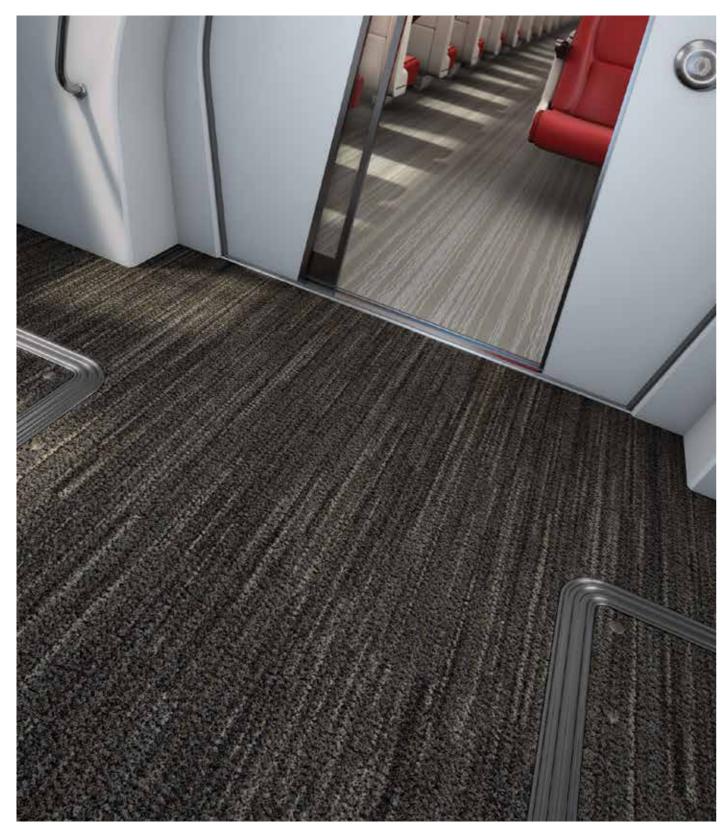
9710 | Iuna pearl





coral® brush FR

Unique design with exceptional performance.



All Coral FR material is made to order.



Designs marked with a * have a more linear design whereas the other 13 colour references have an all-over aesthetic.



Recolour certain designs with Coral

coral® FR

If you cannot see the exact colourway that you are looking for in any of our Coral FR entrance system collections, please speak to us and we will work closely with you in order to match your specific colour requirements.

TECHNICAL SPECIFICATIONS – **CORAL FR**

Technical specific		Coral brush FR	Coral classic FR	Coral duo FR
Total thickness	EN -ISO 24346 / ISO 1765	9 mm	8.5 mm	9 mm
Roll width	EN-ISO 24341	185 cm (customizable)	185 cm (customizable)	190 cm (customizable)
Roll length	EN-ISO 24341	27.5 m (customizable)	27.5 m (customizable)	27.5 m (customizable)
Minimum order quantity		50 m ²	50 m ²	50 m ²
Total weight	EN -ISO 23997 / ISO 8543	3400 gram/m ²	3400 gram/m²	3000 gram/m²
Pile installation weight	ISO 8543	920 gram/m ²	865 gram/m ²	670 gram/m²
Pile thickness	ISO 1766	6.0 mm	6.0 mm	6.0 mm
Pile material		100% regenerated Econyl polyamide	100% polyamide-BCF solution dyed	100% polyamide of which 66% is regenerated Econyl polyamic
Light fastness	EN-ISO 105/B02	> 5	7-8	> 5
Electrical resistance	ISO 10965	> 10 ⁹ Ω	> 10 ⁹ Ω	> 10 ⁸ Ω
Impact noise reduction	EN-ISO 717-2	Δ Lw = approx 32 dB	Δ Lw = approx 31 dB	Δ Lw = approx 29 dB
Application	EN 1307	Class 33	Class 33	Class 33
Tested flammability standards	EN 45545-2	HL2*	HL2*	HL2*
	BS6853	1b	1b	
	ASTM E.648 ASTM E.662	Class 1 Pass	Class 1 Pass	Class 1 Pass
	NF P 92-501 NF F 16-101	M3 F1	M2 F1	M3 F1
Coral meets the require	ements of EN 14041			C (
Fire behaviour	EN 13501-1	B _{fl} -s1	B _{f1} -s1	B _{fl} -s1
Slip resistance	EN 13893	DS: ≥ 0.30	DS: ≥ 0.30	DS: ≥ 0.30
Body voltage	EN 1815 / ISO 6356	< 2 kV	< 2 kV	< 2 kV
Thermal conductivity	EN 12524	0.093 m² W/m·K	0.13 m² W/m·K	0.140 m ² W/m·K

*EN45545-2 testing has been carried out on various different substrates/adhesives. These are the highest achieved results. For a full overview of specific results on aluminium and plywood bases please ask.

Coral FR is made to order



marmoleum[®] FR

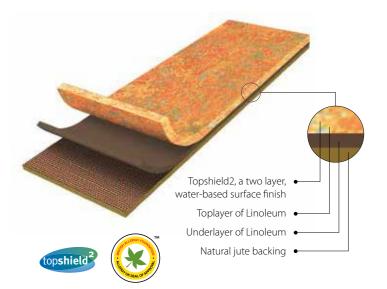
Marmoleum has a history and heritage that stretches back over 150 years and this totally natural floor covering has always been renowned for its sustainability, durability and high quality.

For the rail sector Marmoleum FR offers total versatility in terms of colour and design, but what makes this floor covering really stand out is the fact that it is created using a high percentage of natural raw materials, with renewable and recycled content.

All Marmoleum FR floors include Topshield2, a double layer, UV-cured finish that is scratch and scuff resistant, easy to maintain and ensures long lasting appearance retention. With its natural bacteriostatic properties and resistance to chemicals, Marmoleum FR is the ideal solution for heavy traffic rail vehicles.

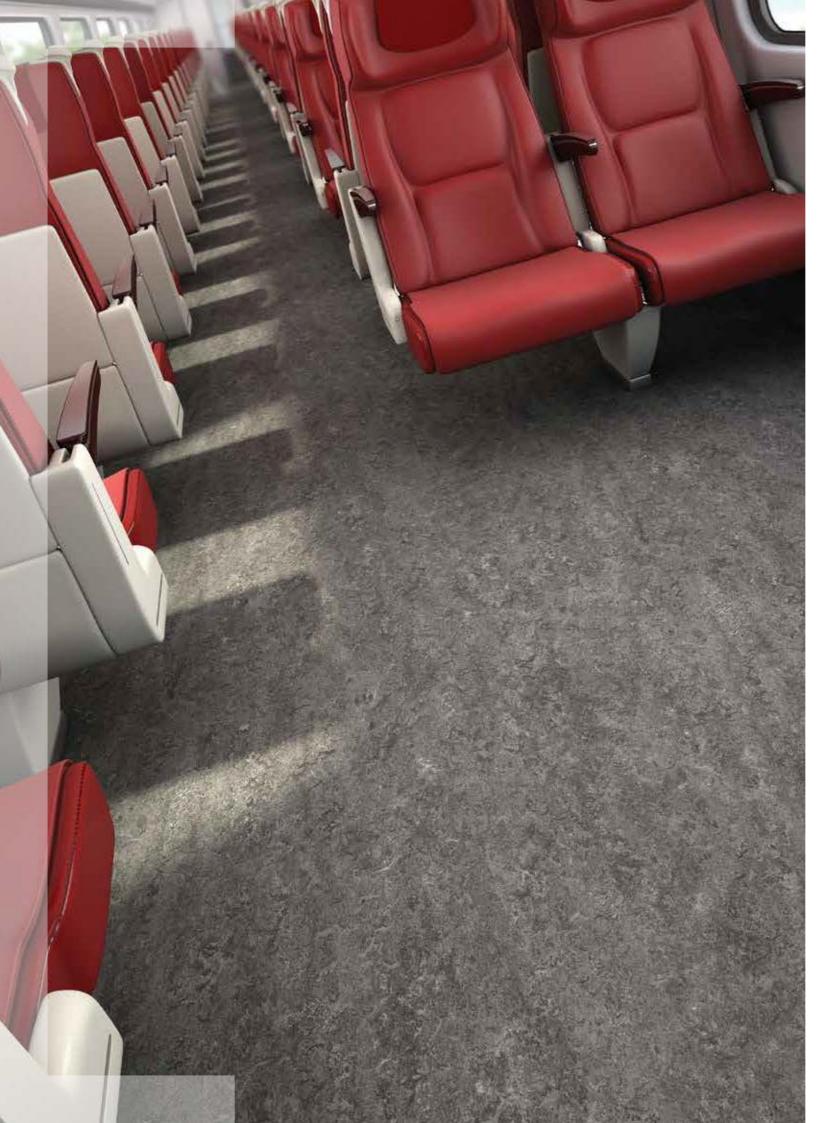
Benefits:

- Homogeneous durable construction
- Low life cycle costs can be renovated and repaired
- Wide range of colourways per design
- Reaction to fire EN 45545-2: HL2 / HL3.









marmoleum[®] FR

The marmoleum FR collection is available in five different design styles, including linear, solid and marbled patterns. Within each there is a wide array of colourways to choose from.

Fresco



Real



Vivace



Concrete



Striato

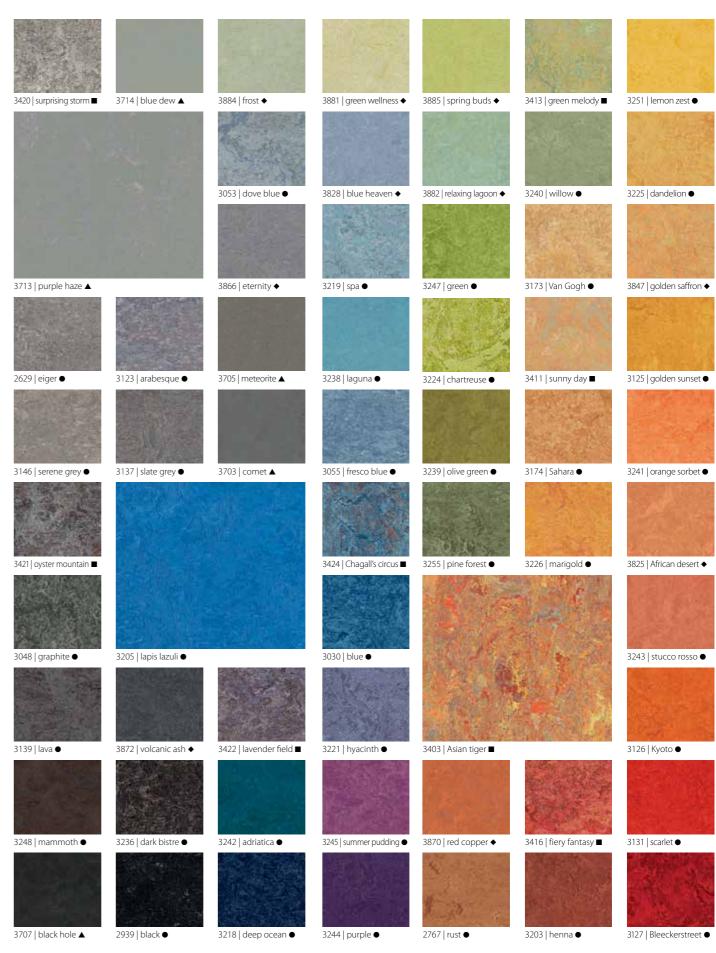


marmoleum[®] FR

Marmoleum FR is available in 106 colours

Brights, bolds and more subtle shades. Marble designs combine anything from three to eight different colours that can vary in intensity and contrast. Sometimes they create bold, strong contrasts resembling real marble, sometimes the colours are more subtle like fresco murals.





Real ◆ Fresco ■ Vivace ▲ Concrete

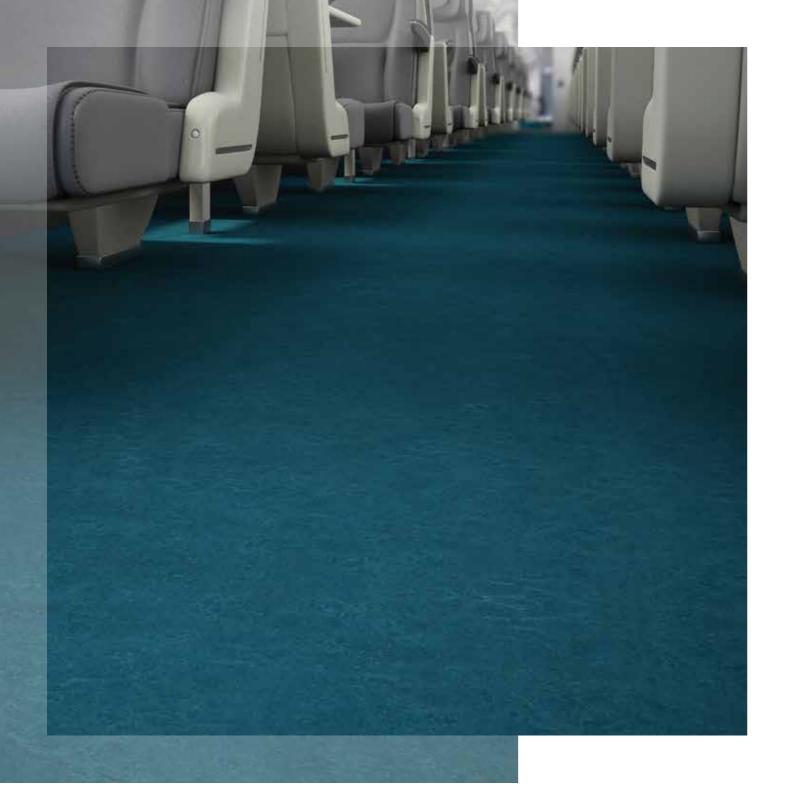


marmoleum[®] striato FR

Offering a distinctive directional design, complemented by natural interiors.

Marmoleum Striato is available in 20 colours





Recolour certain designs with Marmoleum

marmoleum® FR

If you cannot see the exact colourway that you are looking for, please speak to us and we will work closely with you in order to match your specific requirements.

TECHNICAL SPECIFICATIONS – MARMOLEUM FR

Technical specifications Marmoleum meets the requirements of EN ISO 24011		Concrete FR Fresco FR/Real FR/Vivace FR	Striato FR	
Total thickness	EN -ISO 24346 / ISO 1765	2.5 mm	2.5 mm	
Roll width	EN-ISO 24341	200 cm	200 cm	
Roll length	EN-ISO 24341	≤ 32 m	≤ 32 m	
Minimum order quantity		3000 m ²	3000 m ²	
Total weight	EN -ISO 23997 / ISO 8543	2900 gram/m²	2900 gram/m²	
Residual indentation	EN-ISO 24343-1	≤ 0.15 mm Typical value ~0.08 mm	≤ 0.15 mm Typical value ~0.08 mm	
Light fastness	EN-ISO 105/B02	≥ 6	≥ 6	
Flexibilty	EN-ISO 24344	Ø 40 mm	Ø 40 mm	
Electrical resistance	EN 1081	> 10° Ω	> 10°Ω	
Impact noise reduction	ISO 717-2	$\Delta Lw \ge 5 dB$	Δ Lw ≥ 5 dB	
Application	EN-ISO 10874	Class 34	Class 34	
Tested flammability standards	EN 45545-2	HL3*	HL3*	
	BS6853	1a (real FR)		
	ASTM E.648 ASTM E.662	Class 1 (real FR) Pass (real FR)		
Marmoleum meets the rec	quirements of EN 14041			
Slip resistance	EN 13893	DS: ≥ 0.30	DS: ≥ 0.30	
Body voltage	EN 1815 / ISO 6356	< 2 kV	< 2 kV	
Thermal conductivity	EN 12524	0.17 W/m·K	0.17 W/m·K	

*EN45545-2 testing has been carried out on various different substrates/adhesives. These are the highest achieved results. For a full overview of specific results on aluminium and plywood bases please ask.

Marmoleum FR is made to order

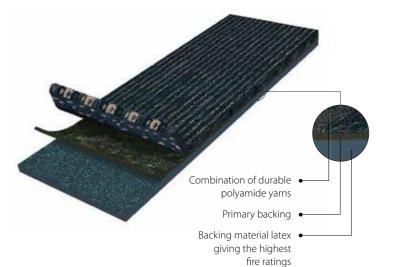


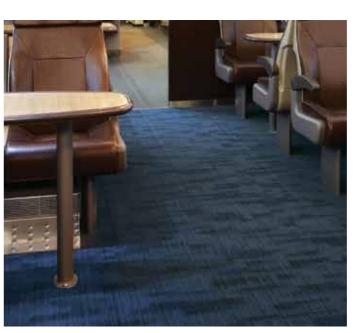
tessera® FR

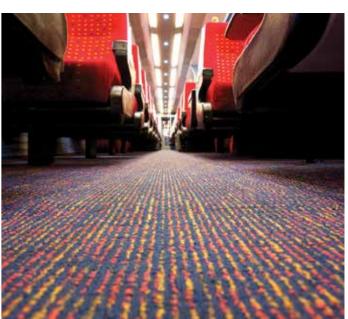
Tessera FR is a collection of attractive, hardwearing carpets, offered in various pile constructions and textures, all designed to deliver specific aesthetic and performance benefits. The installation of carpet in a rail vehicle adds significant warmth, comfort and acoustic benefits.

Benefits:

- Durability and appearance retention, made from 100% nylon
- Flexibility for colourisation
- Slip resistance
- Reaction to fire EN 45545-2: HL2.







tessera® alignment FR

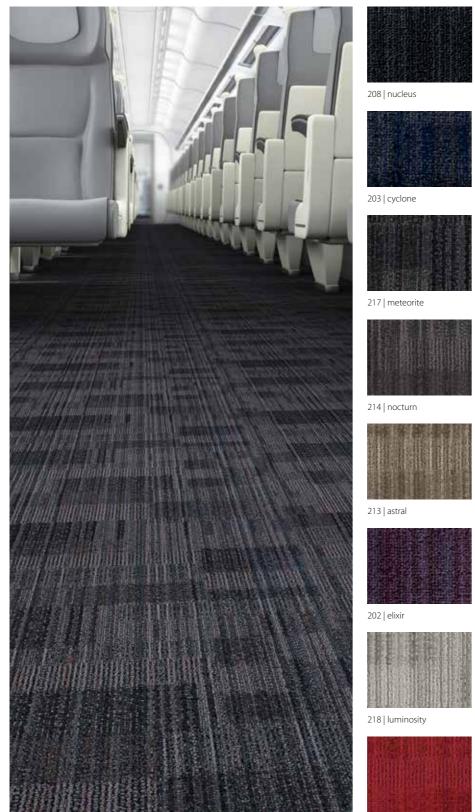
Sophisticated and cleverly textured to complement the most contemporary interior design.

Tessera Alignment is available in 24 colours

tessera® helix FR

An understated linear design, combining rich texture and visual appeal.

Tessera Helix is available in 13 colours



All Tessera FR material is made to order.

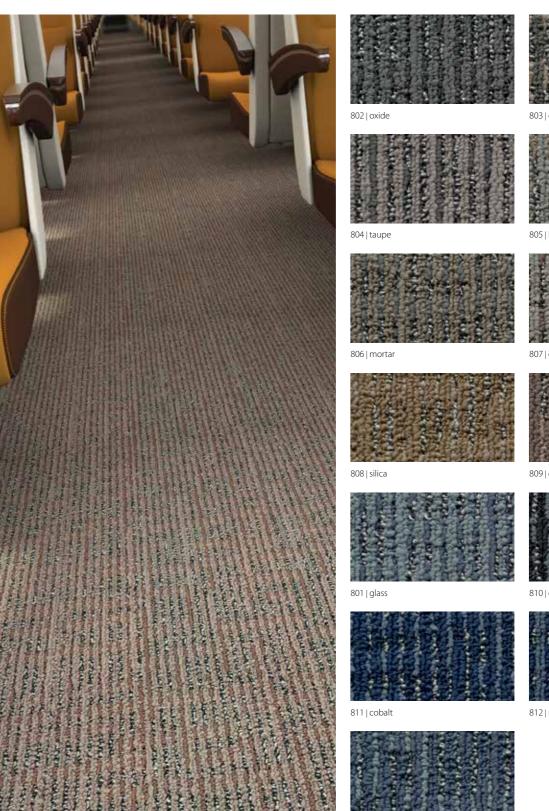
26

204 | horizon 215 | stellar 241 | north star 240 | wavelength 209 | celcius 222 | Galileo 242 | hologram 239 | apollo 210 | climate 221 | gravity 243 | cosmic ray 219 | equinox 220 | essence 223 | solstice

244 | firestar

237 | sunspot

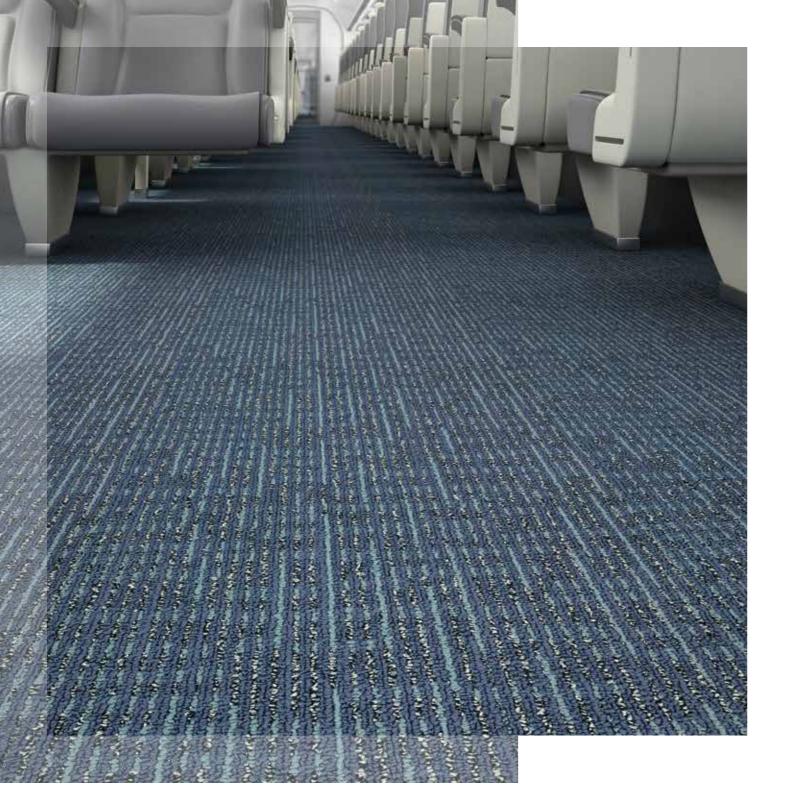




All Tessera FR material is made to order.

812 | marble

813 | zircon





tessera® FR

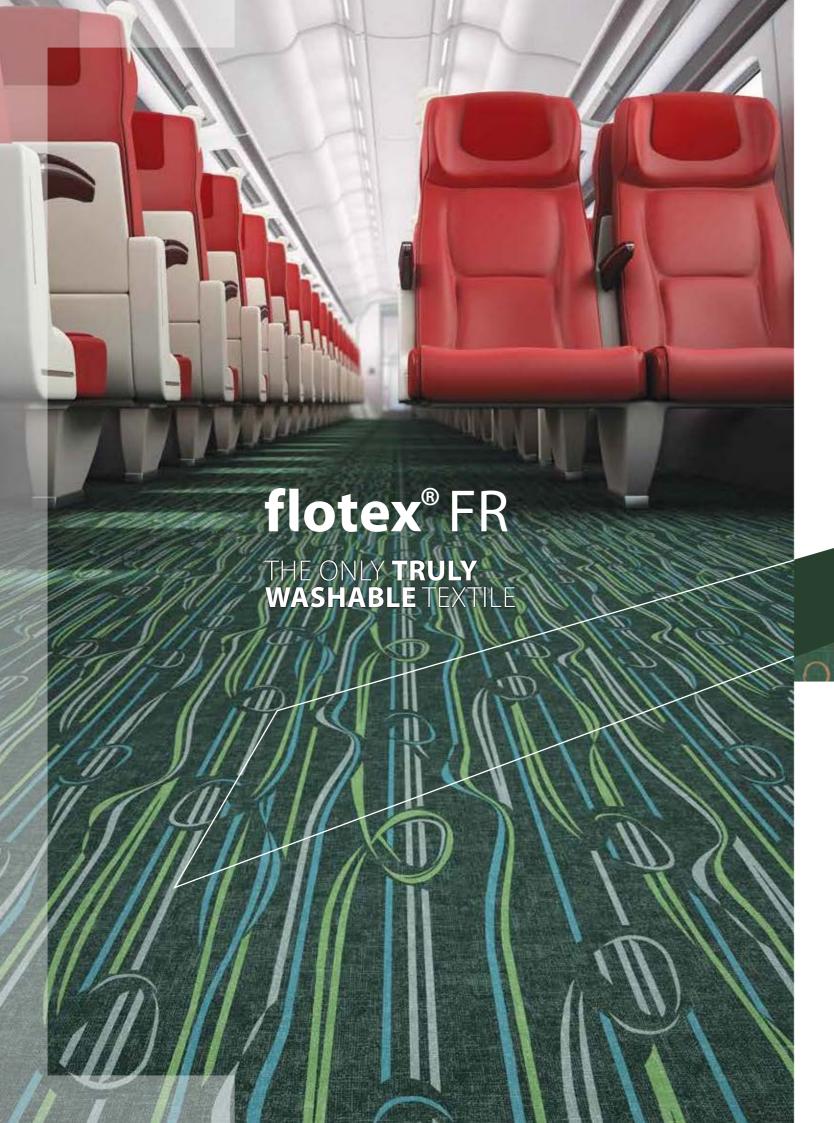
If you cannot see the exact colourway that you are looking for in any of our Tessera FR designs, please speak to us and we will work with you in order to match your specific requirements.

TECHNICAL SPECIFICATIONS – **TESSERA FR**

Tessera meets the requirements of EN 1307		Tessera helix FR	Tessera alignment F	
Total thickness	EN -ISO 24346 / ISO 1765	6 mm	6 mm	
Roll width	EN-ISO 24341	185 cm (customizable)	185 cm (customizable)	
Roll length	EN-ISO 24341	27.5 m (customizable)	27.5 m (customizable)	
Minimum order quantity		Standard range – 50 m² Custom colour – 1100 m²	Standard range – 50 m² Custom colour – 1100 m²	
Total weight	EN -ISO 23997 / ISO 8543	3000 gram/m ²	2500 gram/m ²	
Pile installation weight	ISO 8543	740 gram/m²	730 gram/m²	
Pile thickness	ISO 1766	4 mm	4 mm	
Pile material		100% polyamide	100% polyamide	
Light fastness	EN-ISO 105/B02	≥ 6	≥ 6	
Electrical resistance	ISO 10965	> 10°Ω	> 10°Ω	
Impact noise reduction	ISO 717-2	Δ Lw = 25 dB	Δ Lw = 25 dB	
Application	EN 1307	Class 33	Class 33	
Tested flammability standards	EN 45545-2	HL2*	HL2*	
	BS6853	1b		
	ASTM E.648 ASTM E.662	Class 1 Pass	Class 1 Pass	
Tessera meets the requiremen	its of EN 14041			
Slip resistance	EN 13893	DS: ≥ 0.30	DS: ≥ 0.30	
Body voltage	EN 1815 / ISO 6356	< 2 kV	< 2 kV	
Thermal conductivity	EN 12524	0.06 W/m·K	0.06 W/m·K	

*EN45545-2 testing has been carried out on various different substrates/adhesives. These are the highest achieved results. For a full overview of specific results on aluminium and plywood bases please ask.

Tessera FR is made to order

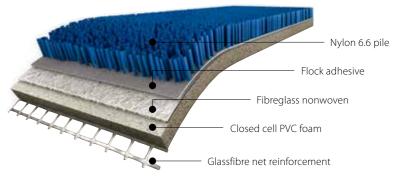


flotex® FR

Flotex FR is unique, combining the cleaning properties and durability of a resilient flooring with the comfort, slip resistant and acoustic properties usually associated with textiles.

Benefits:

- High durability
- Hygienic
- Easy to clean; easy soil and stain removal due to short nylon fibres
- Slip resistant
- Bacteriostatic
- Phthalate free
- Reduces airborne allergens (independently proven by Allergy UK)
- Reaction to fire EN 45545-2: HL2.





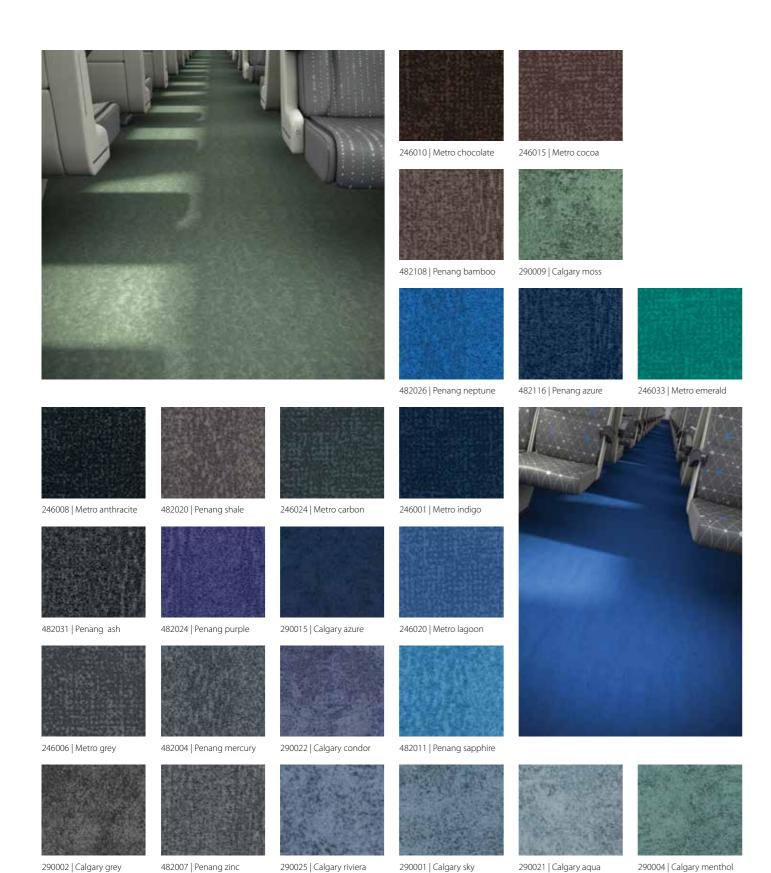


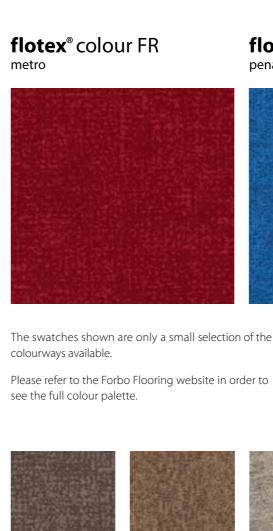
Flotex's upright fibres enable easy removal of soil and stains

flotex[®] colour FR

Flotex Colour is a collection of three designs (Metro, Penang and Calgary) which together form a rhapsody of colour across a broad spectrum.

Flotex Colour designs have no pattern repeats.





246029 | Metro truffle

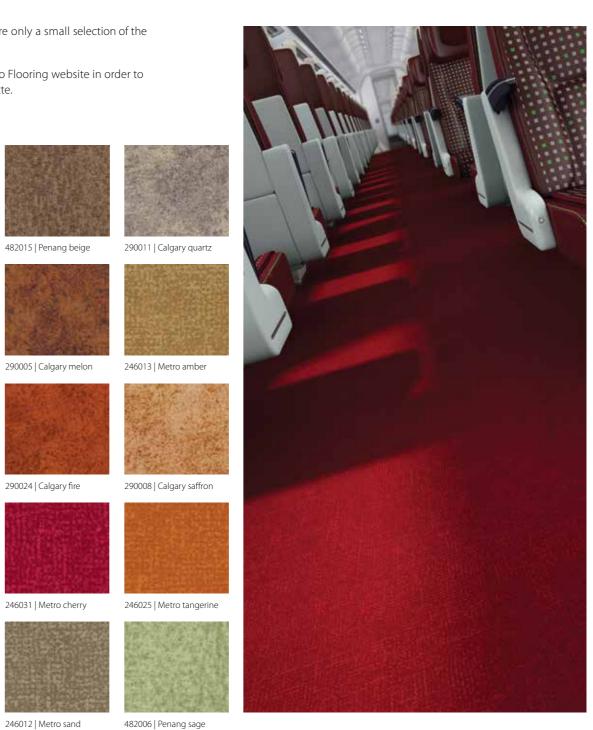
246017 | Metro berry

482016 | Penang coral

246035 | Metro pink

290006 | Calgary sahara

flotex® colour FR



flotex® colour FR

flotex[®] vision FR

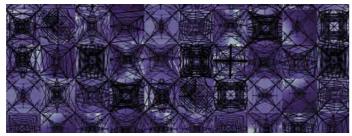
Flotex Vision FR offers an infinite number of design options ranging from abstracts with an intricate colour spectrum to realistic images of natural materials.





Lines

Line or stripe designs, each with their own characteristics, ranging from muted and sophisticated colourways to very complex and multi-colour patterns.



Pattern

Textured, non-directional visuals created through the intricate interplay of networks and patterns.



Naturals

This collection offers photorealistic images of natural materials such as wood, stone, ceramics and cork floors. The design technology creates amazingly realistic aesthetics, with the added benefits of improved acoustics, slip resistance and reduced maintenance costs.

With over 500 items to choose from, Flotex Vision is best viewed on Forbo's online digital library which is continuously updated. The designs in Flotex Vision FR fall into six broad categories, each of which represents a different design direction: Floral, Lines, Shape, Pattern, Image and Naturals.





Shape

A collection of organic shapes and motifs delivering beautiful all-over patterns, including both contemporary and traditional designs.



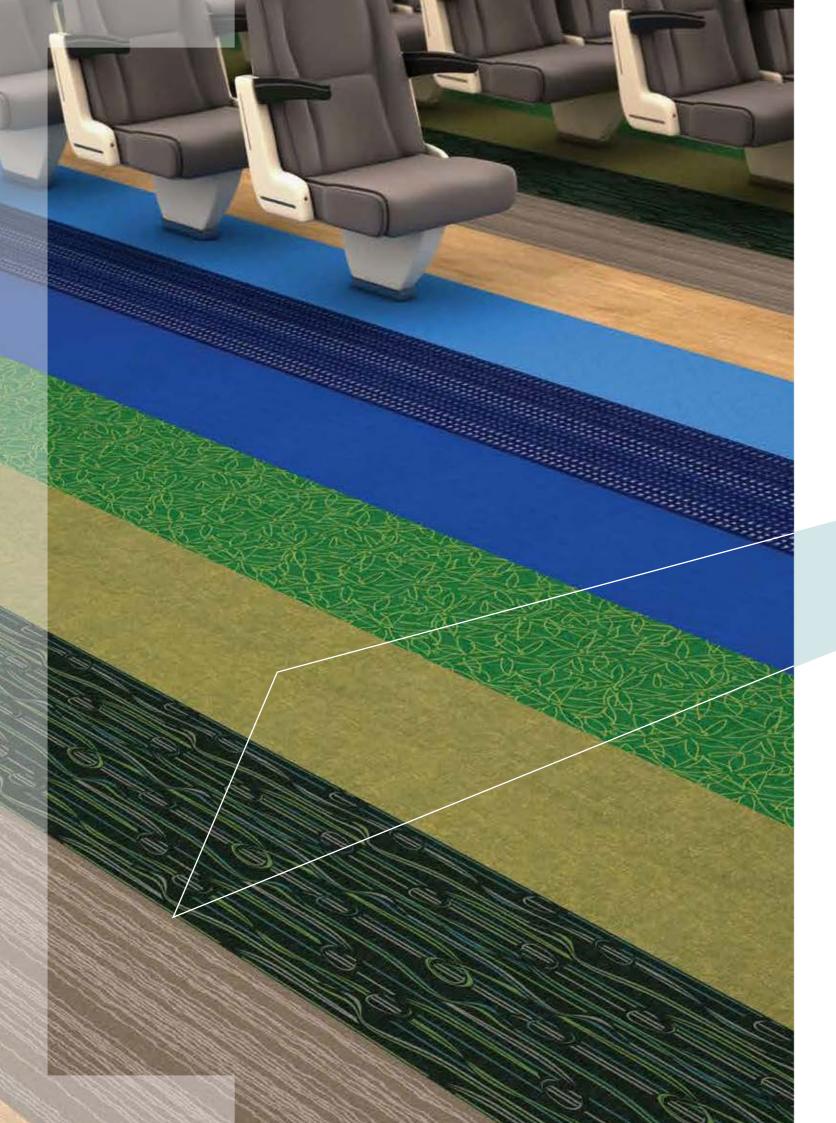
Floral

A selection of floral designs, ranging from abstract, graphic flower motifs to romantic images of roses and butterflies.



Image

A design category containing a wide variety of photographic images. Grass, sand, water drops, buttons and street maps are just some of the possibilities to be found within this intriguing range.



flotex[®] vision FR

TOTAL **DESIGN FREEDOM**

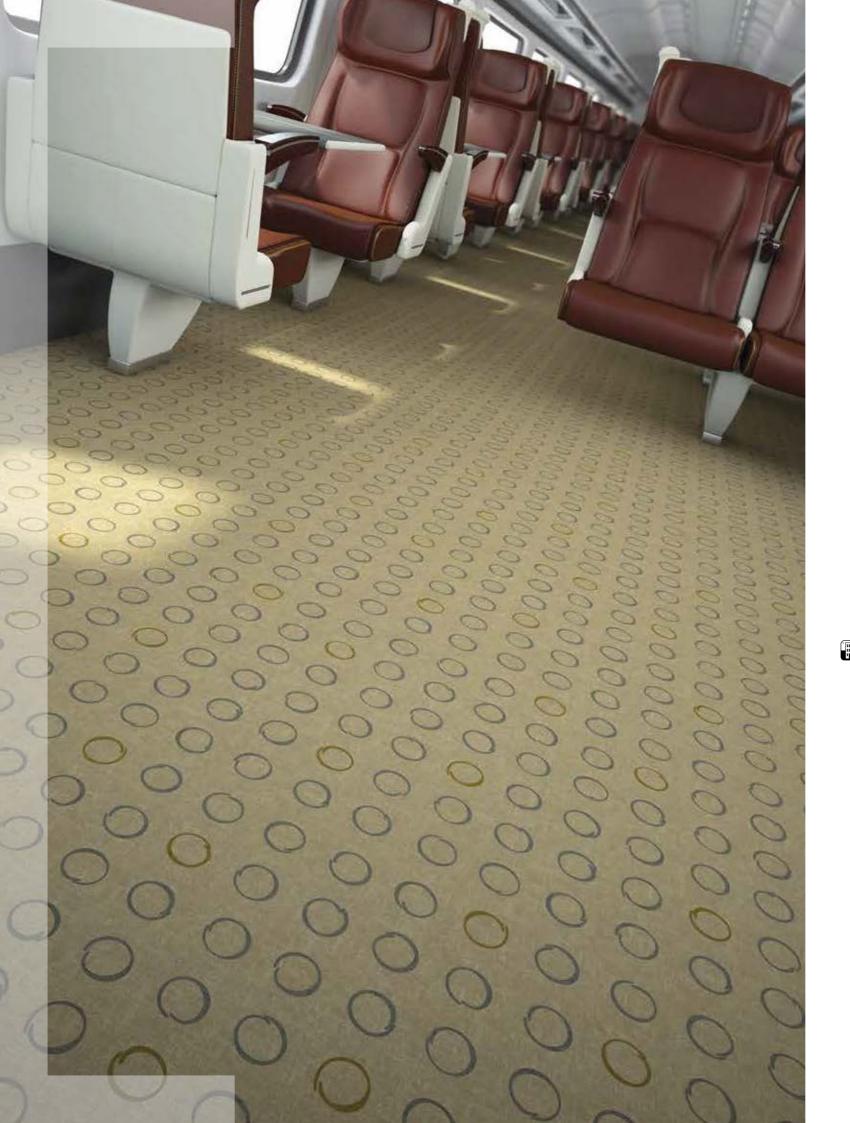
Flotex Vision FR is a collection of high definition digital print designs that create superior textures with almost 3D like appearance. As Flotex Vision FR has 70 million fibres per square per metre, it provides a matt high density substrate for printing, enabling vibrant designs and true-to-life visuals to be produced in high level photographic resolution, providing ultimate design flexibility for rail interiors. All colours, tones and hues are achievable with Flotex Vision FR.

Several of the Flotex Vision designs offer the option to create your own colourway, allowing you to match the floor precisely to your interior design scheme or corporate identity colours. If you have your own vision of what you want on the floor, we also offer a complete bespoke design service on request.





www.flotexvision.com



TECHNICAL SPECIFICATIONS – **FLOTEX FR**

Technical specifications Flotex meets the requirements of EN 1307		Flotex FR Flotex vision FR	
Total thickness	EN -ISO 24346 / ISO 1765	3.3 mm	
Roll width	EN-ISO 24341	200 cm	
Roll length EN-ISO 24341		30 m	
Minimum order quantity		200 m ² / 1000 m ² (HD)	
Total weight	EN -ISO 23997 / ISO 8543	1225 gram/m ²	
Pile installation weight	ISO 8543	250 gram/m ²	
Pile thickness ISO 1766		Approx 2 mm	
Pile material		100% polyamide	
Dimensional stability	ISO 2551	≤ 0.20%	
Light fastness	EN ISO 105/B02	≥6	
Electrical resistance	ISO 10965	$\geq 10^{9}\Omega$	
Impact noise reduction ISO 717-2		$\Delta Lw \ge 22 dB$	
Application	EN 1307	Class 33	
Tested flammability standards	EN 45545-2	HL2*	
	BS6853	1b	
	ASTM E.648 ASTM E.662	Class 1 Pass	
Slip resistance	EN 13893	DS: ≥ 0.30	
Body voltage EN 1815 / ISO 6356		< 2 kV	
Thermal conductivity	EN 12524	0.08 W/m·K	

*EN45545-2 testing has been carried out on various different substrates/adhesives. These are the highest achieved results. For a full overview of specific results on aluminium and plywood bases please ask.

Flotex FR is made to order

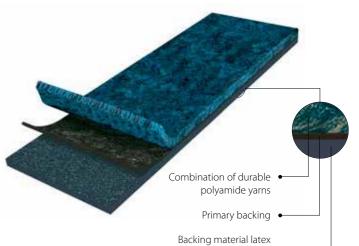


coral® move FR

Coral Move FR is a tufted carpet solution for rail interiors offering great customisation possibilities to complement interior design and colour schemes.

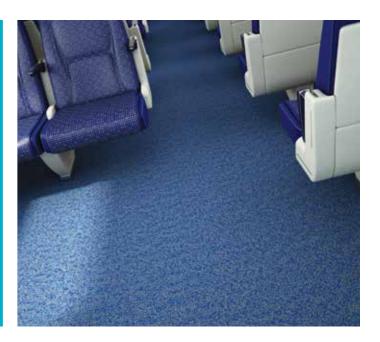
Benefits:

- Warm and comfortable
- Excellent soil hiding
- Slip resistant
- Acoustic properties
- Reaction to fire EN 45545-2: HL3.



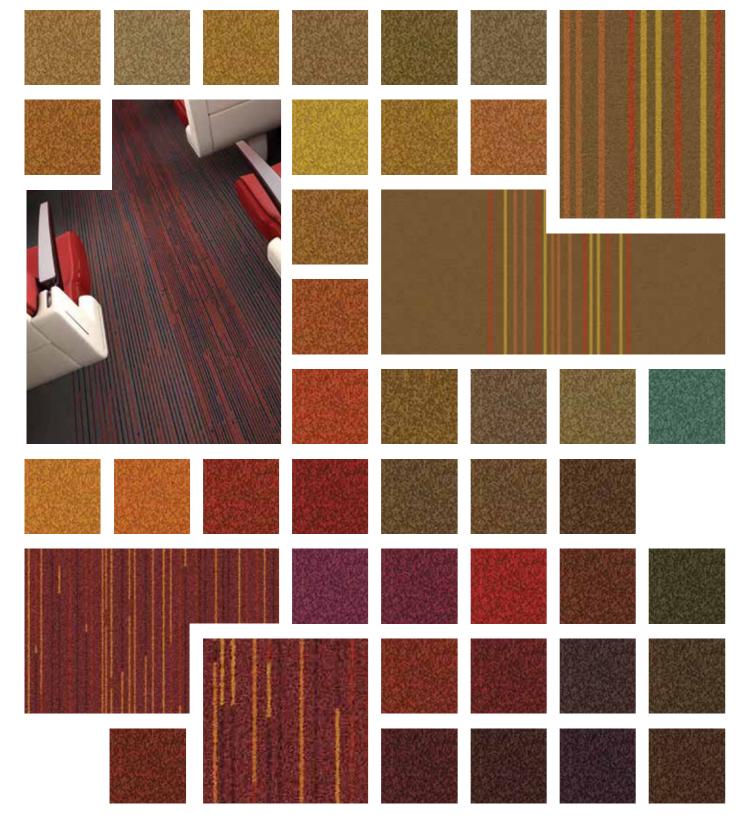
giving higher fire retardance





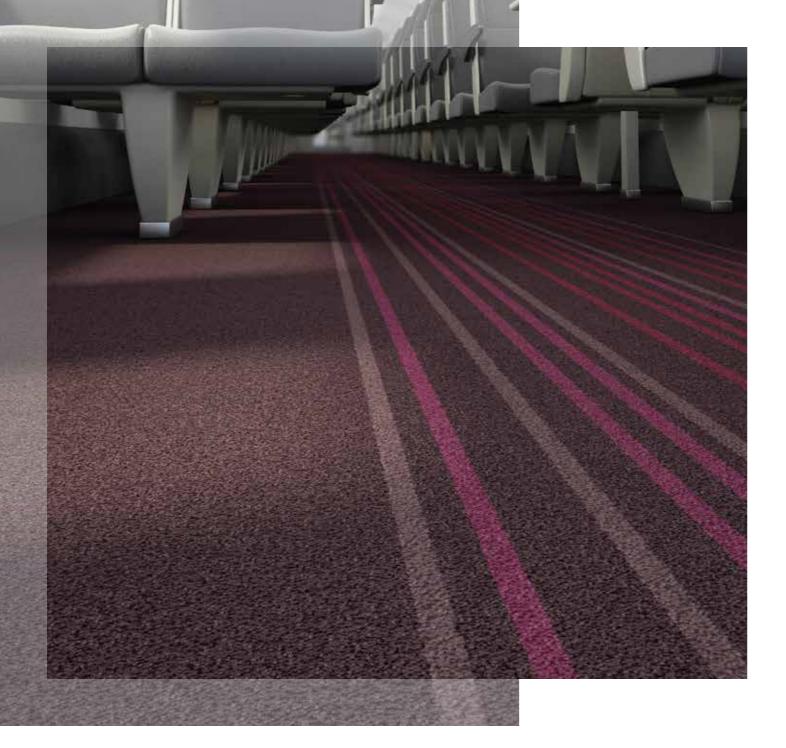
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Coral Move FR is a bespoke made to order product and our design team will work to match design and colour requirements on an individual project by project basis.



Above is only a selection of the colours available, for further information on the full range, please contact us.

All Coral Move material is made to order.



coral® move FR



TECHNICAL SPECIFICATIONS – **CORAL MOVE FR**

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Coral meets the requirements of EN 1307		Coral move FR		
Total thickness	EN -ISO 24346 / ISO 1765	8 mm		
Roll width	EN-ISO 24341	185 cm (customizable)		
Roll length	EN-ISO 24341	27.5 m (customizable)		
Minimum order quantity		500 m ²		
Total weight	EN -ISO 23997 / ISO 8543	3000 gram/m ²		
Pile installation weight	ISO 8543	750 gram/m²		
Pile thickness	ISO 1766	5.5 mm		
Pile material		100% polyamide BCF ECONYL®		
Light fastness	EN ISO 105/B02	≥ 6		
Electrical resistance	ISO 10965	≥ 10°Ω		
Impact noise reduction	EN ISO 717-2	$\Delta Lw \ge 28 dB$		
Application	EN 1307	Class 32		
Tested flammability standards	EN 45545-2	HL3*		
Coral meets the requirements of EN 14041			C € EN 14041	
Slip resistance	EN 13893	DS: ≥ 0.30		
Body voltage	EN 1815 / ISO 6356	< 2 kV		
Thermal conductivity	EN 12524	0.07 m² W/m·K		

*EN45545-2 testing has been carried out on various different substrates/adhesives. These are the highest achieved results. For a full overview of specific results on aluminium and plywood bases please ask.

Coral move FR is made to order

SERVICE PRODUCTS





Uni welding rod

Multicolour welding rod

Welding rods

Welding rods ensure high levels of hygiene because they make seams easy to clean while preventing water from penetrating the floor covering. Forbo offers welding rods

in matching colours with each item.

Forbo Flooring offers their own adhesives for all of their flooring products, we can offer the best adhesive for your specific type of application.



Adhesives

Installation tools and training

Based on our experience and our continuous research we can recommend and supply a complete assortment of high-grade installation tools. These will help you to achieve a simple and professional installation of our floor coverings. Forbo can provide you with an off- or onsite installation training.



We recognise that sometimes a client wishes to create something totally unique, perhaps something specific to a particular project, such as signage to facilitate the restrictions and safety guidelines within the train. Whatever may be required, our in-house design team has skills and experience to turn ideas into reality.

From an initial concept, detailed drawing, or computer file, our design team prepares a flooring design that is transferred electronically to our Aquajet cutting

machines. These computer-controlled machines represent state-of-the-art cutting technology and produce precision cut items accurate to a fraction of a millimetre. The pattern is inlaid and, importantly, retains all the performance characteristics of the original product. Whether it is a complete rail layout in floor covering, a company logo, signage or thematic design, the possibilities are limitless.



Cleaning and Maintenance data sheets are available online at forbo-flooring.com/transport



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



What to do now?

For more information about any of the products and services offered by Forbo Flooring Systems, to request samples/brochures or a visit then contact us:

Email: transport@forbo.com

Website: www.forbo-flooring.com/transport

Tel: **+44 (0)1773 744121**

Let us keep you up-to-date

Visit us at transport-flooring.com for more information.



Linkedin: Forbo Flooring Transport



TRANSPRESS

Email us at transport@forbo.com to sign up to our quarterly transport newsletter for:

- Product information
- Design inspiration
- Forbo transport news
- Industry news

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