

# Keep the world outside, outside



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

## Safety for your visitors

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

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

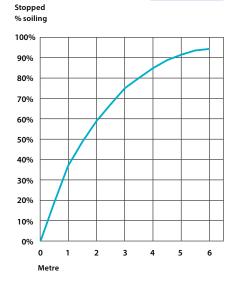
By keeping out dirt and moisture at the entrance, cleaning costs can be cut significantly, interior floors protected and the potential for slipping greatly reduced.

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

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







# Saving money and the environment



## Protection for your floor

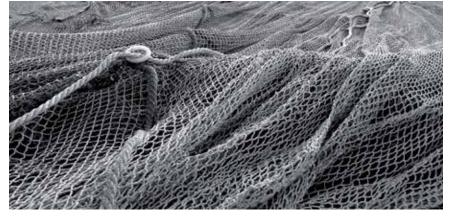
Dirt and moisture that people walk into a building can damage any interior floor and rectifying the issue can cost a significant amount of money and cause major disruption.

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

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



The major part of our collection is produced with ECONYL®

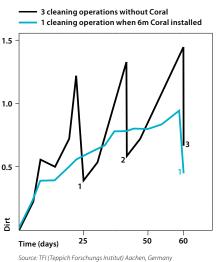


## Creating better environments

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

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

The primary backing of our Coral Welcome range is made from recycled pop bottles for even stronger environmental credentials.



# Entrance flooring starts outside and moves inside



entrance flooring applications

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

Source: HSE elearning module, Watch your step

Creating an effective entrance flooring system involves thinking about footfall – the number of people walking in and out in a given period – and walking routes (the directions they take once inside) and applying that information in the design of the entrance area. One of the best ways to plan an entrance flooring system is to think in applications:

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

For details on our Nuway products, please ring **0800 731 2369** for our Entrance Flooring System brochure or visit **www.forbo-flooring.co.uk/efs** 

## Application 1: Outside use

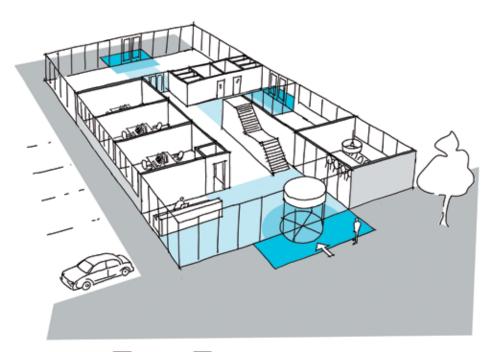
Any matting placed outside the building entrance is the first line of defence against footborne soil, scraping the coarsest dirt from the soles of shoes before they cross the threshold.

## Application 2: Inside use

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

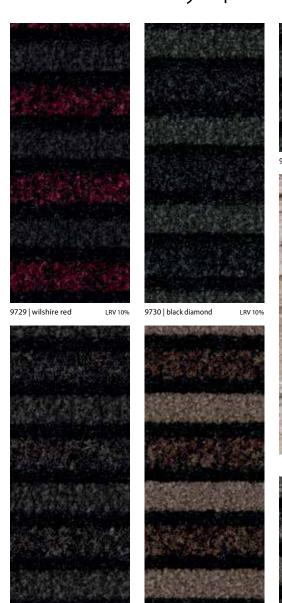
## Application 3: Other circulation areas

Other areas in the building also suffer from soil and moisture; reception areas, corridors, walkways to other parts of the building, elevators, staircase exits, etc. All these areas will be prone to residual soiling and will benefit highly from a purposely designed Coral entrance mat to absorb this soiling.



	Application	moisture removal	dirt	Intense traffic	Extreme point loading	Reversible	Guarantee
nuway <sup>®</sup> tuftiguard	1 + 2	••00	•••0	✓		✓	10 years
nuway <sup>®</sup> tuftiguard HD	1 + 2	••00	•••0	✓	✓	✓	10 years
nuway <sup>®</sup> connect	1 + 2	•••0	•••0	✓			7 years
nuway <sup>®</sup> grid	1 + 2	•••0	•••0	✓			7 years
nuway <sup>®</sup> cable	1 + 2	•••0	•••0	✓			7 years
coral <sup>®</sup> grip MD	1 + 2	●000	••••				5 years
coral <sup>®</sup> grip HD	1 + 2	●000	••••				5 years
coral <sup>®</sup> duo	2+3	•••0	••••				5 years
coral®brush pure	2+3	•••0	•••0				5 years
coral® brush blend	2+3	•••0	•••0				5 years
coral <sup>®</sup> welcome	2+3	•••0	••00				5 years
coral <sup>®</sup> classic	2+3	••••	••00				5 years
coral®logo	2+3	•••0	••00				3 years

# coral<sup>®</sup> duo Ideal for every space

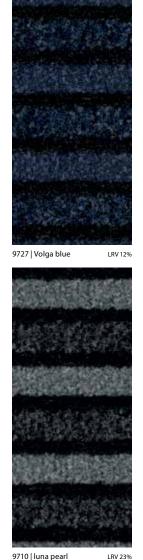


9716 | imperial gold

9714 | Sicilian sand

9725 | cafe bahia





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





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







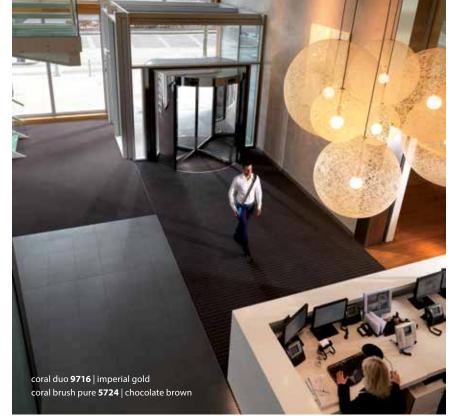






A short entrance and clean interior floor coverings don't go together, do they? Well, yes, they can. Coral Duo is the ideal solution when you need maximum dirt removal, unrivalled dirt retention and exceptional moisture absorption all in just a couple of paces.

Research has shown that Coral Duo retains 10% more dirt in the first few metres than any other textile entrance flooring solution on the market. Which makes it even the best choice for smaller entrances. Featuring a ribbed construction. Coral Duo is not only functional, it also provides an aesthetically pleasing aspect to any entrance area and is easy to combine with our Coral Brush pure and Coral Classic collections.



# coral® brush pure

# The great all-rounder



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



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





Coral Brush pure is suitable for all types of entrance areas, absorbing moisture and removing dry soiling as the weather demands. Created around simple, solid colours, this collection works well with any interior design, complementing commercial flooring schemes serving as a striking or self-effacing support for the rest of the floor design.

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













# coral® brush blend

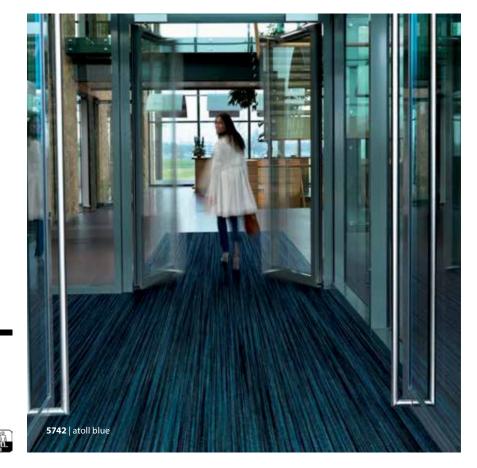
# Unique design with exceptional performance



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

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

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





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









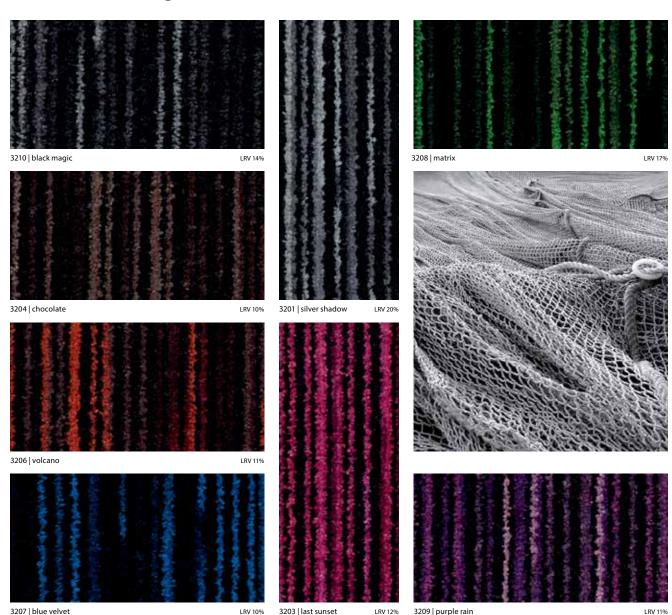






## coral® welcome

## Where design meets environment



- 100% of the yarn in Coral Welcome is ECONYL® regenerated solution dyed polyamide
- Primary backing made from recycled PET bottles
- Prevents moisture and dirt being tracked onto interior surfaces
- On-trend linear aesthetic which makes a design statement in any entrance
- Complies with the highest fire class standard for a textile product: B<sub>fi</sub>-s1
- Suitable for heavy contract use: wear class 33
- · Ideal for interior entrances and circulation areas





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

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

But Coral Welcome is more than just a fabulous looking floor covering – it's an environmentally advanced one as well. The secret lies in its use of ECONYL® 100%-regenerated yarn, which is made from reprocessed industrial and post-consumer

waste. Abandoned fishing nets are one of the sources. Taking the environmental aspect even further, the primary backing is made from recycled PET bottles. Coral Welcome is made in a plant that is close to achieving the Zero Landfill standard for waste production.













## coral<sup>®</sup> classic

## The ultimate moisture absorber



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

Research shows that taking just two steps on Coral Classic's moisture absorbing yarns is enough to absorb half of the foot-borne moisture that would otherwise be carried inside on the soles of people's shoes.

A few steps more and your feet are as dry as possible. This has clear benefits. First, the interior floor coverings stay cleaner, longer. Second, resilient floors like vinyl, linoleum, wood and concrete are less likely to become slippery and dangerous.

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

## Modularity

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



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

















# Coral technical specifications



			Coral Duo (97xx)*		Coral Brush pure/blend (57xx)*			
Ž	Total thickness	ISO 1765	Approx	κ. 9 mm	Approx. 9 mm			
<b></b>	Wear classification	EN1307	33, comme	ercial heavy	33, commercial heavy			
	Area of use		Suitable for areas of intense use		Suitable for areas of intense use			
	Colours		8		12 pure, 9 blend			
			Rolls	Mats	Rolls	Mats		
$\overline{\mathbb{S}}$	Available sizes (all sizes are approx.)		205 cm	No mats	105 cm	55 x 90 cm		
	Roll sizes with 2.5 cm edge each side				155 cm	90 x 155 cm		
	Mat sizes with 2.5 cm edge all sides		Roll lengths approx. 27.5 m		205 cm	135 x 205 cm		
	cage an sides				Roll lengths approx. 27.5 m	205 x 300 cm		
	Suitability for castor chairs	EN 985	Castor chair cont	tinuous use r=3.7	Castor chair continuous use r=2.5			
	Colour fastness ratings:	Colour fastness ratings:						
<b>7</b>	Light	EN ISO 105/B02	>5		>5			
	Water	EN ISO 105/E01	4-5		4-5			
	Shampoo	BS 1006	4-5		4-5			
	Organic solvents	EN ISO 105/X05	4	-5	4-5			
	Manufacturing method/type	facturing method/type Tufted, 5/32" cut-pile		32" cut-pile	Tufted, 5/32" cut-pile			
	Designs		ribl	bed	Plain designed/ coloured blend			
	Pile material		100% polyamide-BCF, where	275% is regenerated Econyl®	Econyl® 100% regenerated polyamide-BCF			
	Tuft base		Non-wove	n polyester	Non-woven polyester			
	Backing		EVERFO	EVERFORT vinyl		EVERFORT vinyl		
	Total weight	ISO 8543	Approx. 32	Approx. 3200 gram/m <sup>2</sup>		Approx. 3400 gram/m²		
	Pile installation weight	ISO 8543	Approx. 67	'0 gram/m²	Approx. 920 gram/m²			
	Pile thickness ISO 1766		Approx	c. 6 mm	Approx. 7 mm			
	Pile density	ISO 8543	0.095 gr	0.095 gram/cm³		0.105 gram/cm³		
	Number of tufts	ISO 1763	Approx. 32000/m <sup>2</sup>		Approx. 58000/m²			
	Suitability for stairs	EN 1963	No		Yes**			
	Comfort class	EN 1307	LC2		LC3			
	All Coral products meet the requirements of EN		14041, excluding loose-laid mats a	nd rugs		<b>€</b> EN 14041		
Emal	Fire behaviour	aviour EN 13501-1 B <sub>FL</sub> -s1		B <sub>FL</sub> -s1				
75	Slip resistance	EN 13893	DS			S		
Ħ	Personal charging	ISO 6356	< 2	ł kV	< 2 kV			
	Heat transmission resistance	ISO 8302	0,131 r	m² K/W	0,118 m <sup>2</sup> K/W			

<sup>\*\*</sup> For easy installation Coral FR is a better solution for stair nosings.

		Coral Welco	ome (32xx)*	Coral Clas	sic (47xx)*	Coral Classic Tiles (47xx)*	
Total thickness	ISO 1765	Approx. 8.5 mm Approx. 10 mm		. 10 mm	Approx. 10.5 mm		
Wear classification	EN1307	33, commercial heavy		33, commercial heavy		33, commercial heavy	
Area of use		Suitable for areas of intense use		Suitable for areas of intense use		Suitable for areas of intense use	
Colours		8		12		12	
		Rolls	Mats	Rolls	Mats	Tiles	
Available sizes (all sizes are approx.) Roll sizes with 2.5 cm		205 cm	105 x 155 cm	105 cm	55 x 90 cm		
edge each side				155 cm	90 x 155 cm	50 x 50 cm	
Mat sizes with 2.5 cm edge all sides				205 cm	135 x 205 cm	30 X 30 CIII	
	R ap			Roll lengths approx. 27.5 m	205 x 300 cm		
Suitability for castor chairs	EN 985	Castor chair cont	inuous use r=2.8	Castor chair continuous use r=2.8		Castor chair continuous use r=2.8	
Colour fastness ratings:							
Light	EN ISO 105/B02	>	5	7-8		7-8	
Water	EN ISO 105/E01	4	-5	4-5		4-5	
Shampoo	BS 1006	4	-5	4-5		4-5	
Organic solvents	EN ISO 105/X05	5	5	4-5		4-5	
Manufacturing method/type		Tufted, 5/32" cut-pile		Tufted, 5/32" cut-pile		Tufted, 5/32" cut-pile	
Designs		Multi-coloured linear		Multi coloured designed/coloured		Multi coloured designed/coloured	
Pile material		Econyl® 100% regenerated polyamide-BCF		100% polyamide-BCF solution dyed		100% polyamide-BCF solution dyed	
Tuft base	Tuft base		100% recycled non-woven PET/Econyl®		n polyester	Non-woven polyester	
Backing		EVERFO	RT vinyl	EVERFORT vinyl		Bitumen tile backing	
Total weight	ISO 8543	Approx. 320	00 gram/m²	Approx. 3400 gram/m²		Approx. 5000 gram/m <sup>2</sup>	
Pile installation weight	ISO 8543	Approx. 75	0 gram/m²	Approx. 87	'0 gram/m²	Approx. 870 gram/m²	
Pile thickness	ISO 1766	Approx. 5.7 mm		Approx. 7 mm		Approx. 7 mm	
Pile density	ISO 8543	0.107 gram/cm <sup>3</sup>		0.100 gram/cm <sup>3</sup>		0.109 gram/cm <sup>3</sup>	
Number of tufts	ISO 1763	Approx. 75000/m <sup>2</sup>		Approx. 61500/m <sup>2</sup>		Approx. 61500/m <sup>2</sup>	
Suitability for stairs	EN 1963	Yes**		Yes**		No	
Comfort class	EN 1307	LC2 LC3		LC3			
All Coral products meet the	requirements of EN	14041, excluding loose	laid mats and rugs			<b>C</b> € EN 1404	
Fire behaviour	EN 13501-1	B <sub>FL</sub>	-s1	B <sub>FL</sub> -s1		B <sub>FL</sub> -s1	
Slip resistance	EN 13893	D	S	DS DS		DS	
Personal charging	ISO 6356	< 2	kV	< 2 kV <		< 2 kV	
Heat transmission resistance ISO 8302				0,15 m² K/W		0,14 m² K/W	

## Effective Entrance Systems follow the 4 R's rule

**Remove** soiling **Retain** soiling

**Release** soiling

**Recover** 'as new' after cleaning

## Remove soiling

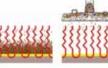
Our new Coral range removes up to 94% of dirt and water within the first 6 steps.

## Retain soiling

Our Coral products are constructed with unique yarns that have the ability to hold water and dirt within the mat. However, entrance products are just like waste bins and when they get full of dirt, just like any other waste bin, the rubbish overflows and soil is tracked into nearby flooring, so it's important that Coral is regularly cleaned.

## Release soiling

Unlike many textile entrance products, Coral is a cut pile product allowing the dirt to be easily released on vacuuming.



**Cut pile construction** 



## Recover 'as new' after cleaning

Coral has been designed specifically to withstand the intense cleaning regimes that are needed in an entrance area.

## Cleaning and maintenance

## Regular cleaning

It is essential that dry soiling is removed on a regular basis. The most effective method is to use an upright vacuum cleaner or a suction only machine with a powered rotating head attachment. Vacuum slowly in all directions to obtain the maximum benefit.

## Periodical cleaning

Spot cleaning: Use an absorbent pad or blunt scraper to remove as much of the spillage as possible. Treat the residue with a proprietary spot cleaner for nylon. Rinse with clean water. Remove water with an absorbent pad or machine and allow to dry.

Additional cleaning may be required to minimise the appearance of traffic lanes in high-traffic areas. Two methods can be used. The first is dry extraction. This involves

applying a natural or synthetic compound that is impregnated with water, detergent and safe-to-use solvents. The second is cylindrical brush extraction. Here a machine with counter-rotating brushes is used to both deliver the cleaning solution and collect the resulting dirty liquid.

### Scheduled maintenance

As well as regular and daily cleaning, Coral should be periodically cleaned using the more aggressive spray-extraction technique. This involves removing the dirt that has collected at the base of the fibres, reconditioning the pile and so restoring the cleaning performance. How often you should do this depends on various factors including type of traffic, amount of traffic and the effectiveness of the regular and daily cleaning regimes. Spray extraction involves using a spray or hot water extraction machine or a 3-in-1 extractor.

## Fire standard compliance

All vinyl-backed Coral products comply with fire class B<sub>fl</sub>-s1. This is vital, because every entrance and exit is a fire exit too. If compliance with even tougher fire regulations



is required, we can supply our textile-based products with a special latex backing. This backing should also be used when placing Coral

## Intense traffic areas and high point loads

For those entrances with extreme footfall or wheeled traffic such as shopping centres, leisure outlets or transport hubs, our Nuway range of rigid entrance systems may be more suited to your needs.

For further information, please ring 0800 731 2369 for a Forbo Entrance Flooring Systems brochure or visit www.forbo-flooring.co.uk/efs

#### Installation

Our recommended adhesive for Coral Classic, Brush. Duo and Welcome sheet is 540 Eurosafe Special. Coral Classic tiles installed in general traffic areas may be adhered using 542 Eurofix Tack Plus tackifier adhesive to allow for ease of removal or replacement if necessary.

In heavy traffic areas, areas subject to wheeled traffic and areas where heavy point loading occurs, Coral Classic tiles should be fully adhered using 540 Eurosafe Special.

# More flooring solutions from Forbo

## Linoleum

## **Project vinyl**









marmoleum<sup>®</sup> marmoleum®modular marmoleum®decibel marmoleum ohmex bulletin board®

furniture linoleum

eternal - General purpose vinvl allura - Luxury vinyl tiles allura flex - Loose lav vinvl tiles allura safety - Luxury safety tiles step - Safety vinyl sarlon® - Acoustic vinvl **colorex** - Static control flooring Bespoke digitally printed vinyl

flotex<sup>®</sup>colour flotex<sup>®</sup>linear flotex naturals flotex<sup>®</sup>vision flotex®sottsass

## What to do next

For more information or samples of any Forbo products, please ring 0800 731 2369, email info.flooring.uk@forbo.com, or visit www.forbo-flooring.co.uk or speak to your local Forbo Business Area Manager.

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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.



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If calling from Scotland & South West Tel: 0800 0935 258

Fax: 01592 643 999

## **Nuway enquiries:**

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## **Residential enquiries:**

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**COMMITTED** Through our flooring solutions, it is our ambition to make a positive TO THE HEALTH contribution to your health and well-being in your environment. That is **OF ONE** why our commitment to sustainability is a commitment to your health.



