



# carpet tiles

tessera®

creating better environments

forbo

FLOORING SYSTEMS

# Think outside the square



With Tessera we specialise in the design and manufacture of high quality tufted carpet tiles to meet the requirements of today's commercial interiors. Carpet tiles offer many advantages against broadloom carpet. Today's modern office environments with open office systems are designed for and associated with flexibility and frequent changes. A modular floor can be quickly adapted to changing needs, so reducing the cost of change.

With carpet tiles, telephone, electrical or other underfloor systems are easy accessible. Carpet tiles can be rotated from areas of high wear to areas of low wear, and damaged or

soiled tiles can be easily replaced.

Tiles can be easily shipped to job sites and moved around the building. Installation is easier and faster than conventional carpet, with less waste. Less waste means that less material is required so that more of your flooring investment goes into the floor. The use of carpet tiles allows design flexibility through the use of varying textures and colours to create walkways and feature areas.

With all this flexibility, we're sure that whatever the specification, whatever the budget, you'll find exactly what you need in

the Tessera carpet tile portfolio. Because we design every one of our carpet tiles to give long term performance and appearance retention, you can be assured that whichever Tessera product you choose, your installation will keep its superior good looks day after day, year after year.

### With leadership comes responsibility

The products detailed in the following pages have helped Tessera establish its position as one of the leading suppliers of commercial carpet tiles in the United Kingdom, with a rapidly growing presence in international markets around the world. With leadership comes responsibility. We recognise the importance of caring for and protecting the environment and we're fully committed to reducing our environmental impact, not only in the way we run our manufacturing sites but also in terms of our actions and operations way beyond the factory boundaries.

We've adopted a cradle-to-grave approach in order to identify every possible opportunity to improve our use of scarce resources, eliminate waste, maximise efficiency and recycle and reuse materials wherever we can. From the actual yarn choices we make and the manufacturing technologies we use, to the design of our packaging and the way we transport and "warehouse" finished goods - every aspect of our operations is under scrutiny. Through our process and product design and development programmes we are continually making improvements.

We even continue to take responsibility for our products long after they have been installed, working in partnership with our customers to promote the reuse of tiles and recycling of components.

### Creating better environments across the world.

Forbo Flooring Systems is a global producer of world-class flooring solutions. We constantly strive to produce sustainable flooring systems that create better environments everywhere. We enhance the interior environment by offering innovative and beautifully designed flooring products boasting long life and consistent high quality. At the same time we help to take care of the natural environment through our commitment to sustainable development, responsible raw material procurement and manufacturing processes.

We have a comprehensive product offer for commercial, public sector and residential interiors. High quality linoleum, vinyl, textile, flocked and entrance flooring products combine functionality, colour and design, offering you total flooring solutions for any environment.

With a range of subfloor systems, adhesives and floor care products to complete this extensive and versatile product portfolio, Forbo Flooring Systems can deliver "total solutions" for every project, assuring quality and accountability from a single supplier.

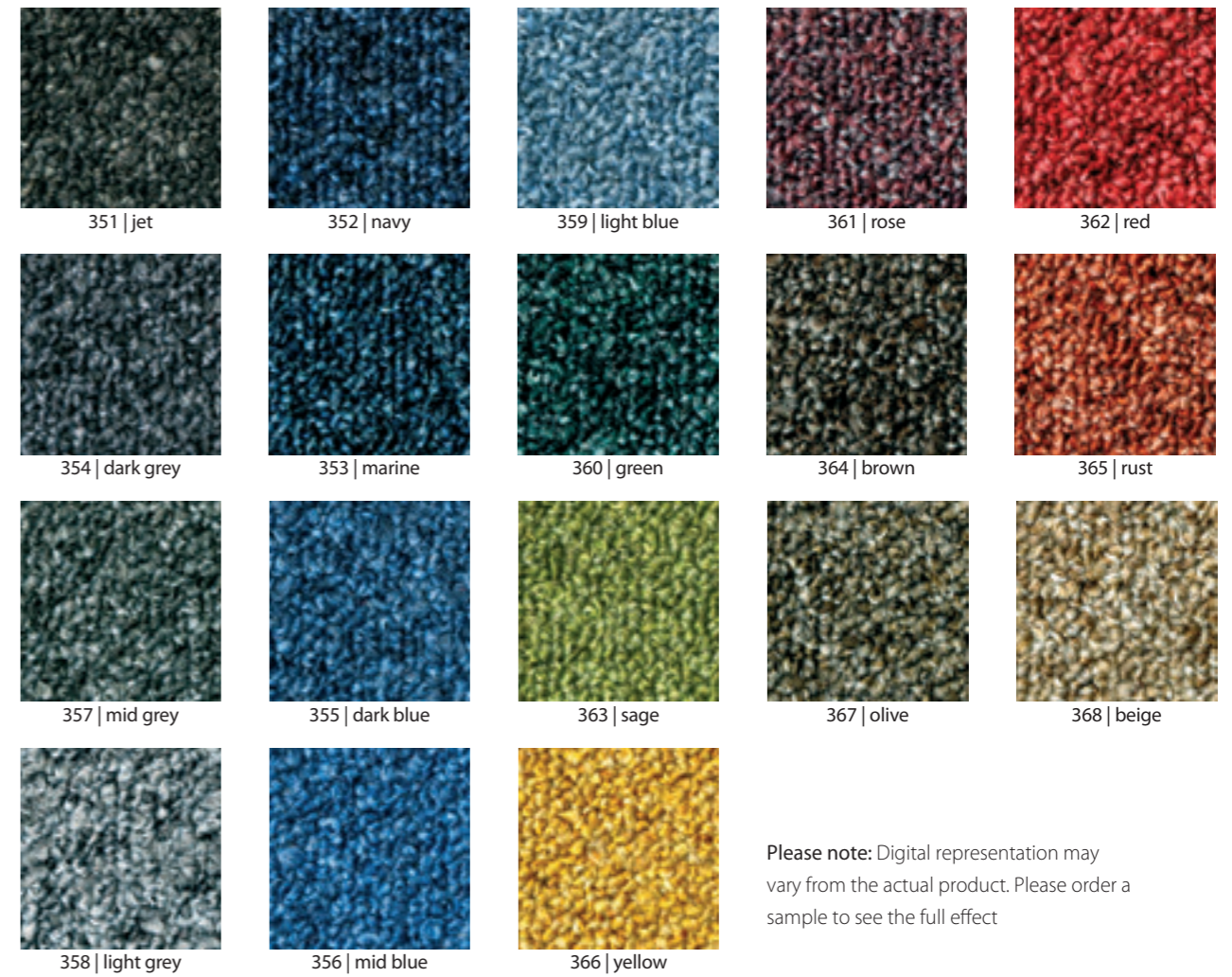
Product Category	Product Type	Brands
Entrance flooring	Entrance systems	<b>coral® nuway®</b>
Linoleum	Linoleum	<b>marmoleum® artoleum® walton touch</b>
Project vinyl	General purpose Safety Acoustic ESD Design & loose lay tiles Wetroom	<b>eternal</b> <b>step® surestep step® safestep</b> <b>sarlon®</b> <b>colorex®</b> <b>allura flex SL</b> <b>aqualon</b>
Flocked flooring	Flotex	<b>flotex®</b>
Textile flooring	Carpet tiles Needle felt	<b>tessera® westbond®</b> <b>titan tenor granit</b>
Service products	System solutions	<b>forbo quickfit</b> subfloor system



354 | dark grey

Suitable for every type of commercial installation, Tessera Basis fits throughout the building, wherever an attractive and hardwearing modular floorcovering is required. Manufactured from 100% Aquafil nylon, it has the resilience and durability needed to contend with the heavy wheeled traffic conditions often found in busy environments.

Available in 18 semi-plain colourways, basis offers an exceptionally diverse palette with classic and contemporary shades which fit beautifully with any office interior.



Please note: Digital representation may vary from the actual product. Please order a sample to see the full effect

tessera<sup>®</sup> basis technical specifications

Basis carpet tiles meet the requirements of EN 1307

Description		Tufted loop pile carpet tile
	Dimensions / tiles per box	EN 994 50cm x 50cm / 20 tiles per box
	Total thickness	ISO 1765 6,0mm ± 10%
	Installation Method	Broadloom or 1/4 turn
	Pile composition	100% Aquafil polyamide
	Dye Method	Space dyed
	Pile Weight	ISO 8543 520gsm ± 10%
	Total weight	ISO 8543 3,835gsm ± 10%
	Stitch density	ISO 1763 Tufts per m <sup>2</sup> 204,880 /m <sup>2</sup> ± 10%
	Primary backing	Polyester
	Secondary backing	Modified bitumen & polyester fleece
	Application	EN 685/ISO 10874 Class 33, suitable for any type of heavy contract application
	Dimensional stability	ISO 2551 ≤0.2 %
	Castor chair	EN 985 Minimum R Value: ≥ 2.4
	Light fastness	EN ISO 105-B02 >5
	Impact sound reduction	ISO 140-8 22dB
	Sound absorption	ISO 354 aw 0.15
	Environmental	Materials used in the construction of Tessera carpet tiles are chosen for their low volatile organic compound (VOC) levels. All Tessera carpet tiles are manufactured using 100% green electricity.
	Indoor air quality	All ranges achieve Green Label Plus 01350 indoor air quality standard. All ranges meet the requirements of DIBt/AgBB for use in the indoor environment.
	BREEAM Accreditation	Basis, Apex 640, Format & Helix are BRE Global Listed.
	Guarantee	Basis is guaranteed for 10 years under heavy contract conditions provided that it has been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force.
	Basis meets the requirements of EN 14041	
	Reaction to fire	EN 13501-1 B <sub>s</sub> s1
	Slip resistance	EN 13893 DS: ≥ 0,30
	Body voltage	EN 1815 ≤ 2 kV
	Electrical resistance	EN 10965 All ranges: < 1.10 <sup>9</sup> Ω. Static dissipative.


Forbo Flooring reserves the right to improve the specification of its products without giving prior notice. Errors and omissions excepted.



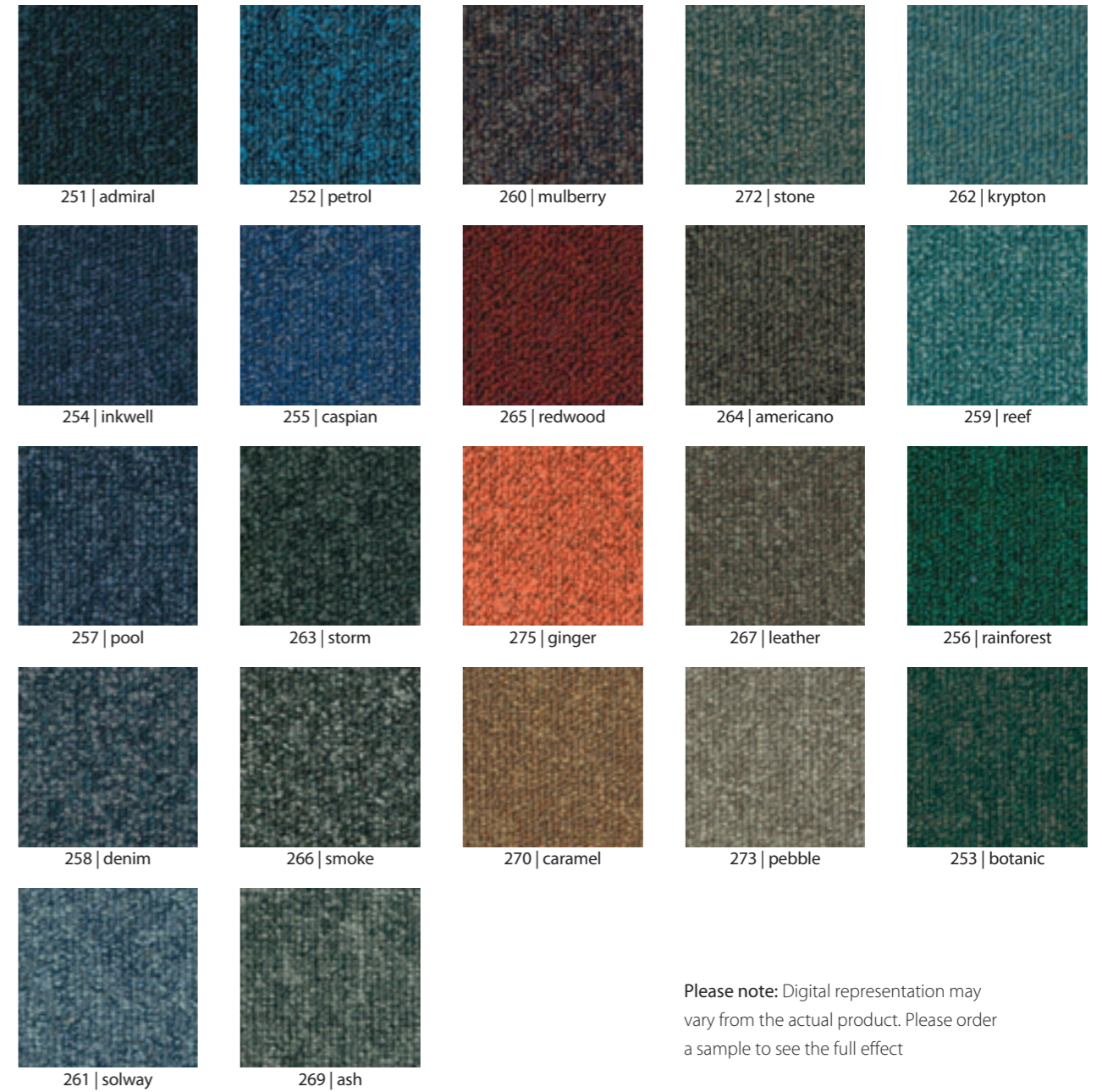
272 | stone

**tessera® apex 640 technical specifications**

Apex 640 carpet tiles meet the requirements of EN 1307

Description		Tufted loop pile carpet tile
Dimensions / tiles per box	EN 994	50cm x 50cm / 20 tiles per box
Total thickness	ISO 1765	6,0mm ± 10%
Installation Method		Broadloom or 1/4 turn 
Pile composition		100% Aquafil Alto Chroma polyamide
Dye Method		solution dyed
Pile Weight	ISO 8543	640gsm ± 10%
Total weight	ISO 8543	3,955gsm ± 10%
Stitch density	ISO 1763 Tufts per m²	189,120 /m2 ± 10%
Primary backing		Polyester
Secondary backing		Modified bitumen & polyester fleece
Application	EN 685/ISO 10874	Class 33, suitable for any type of heavy contract application
Dimensional stability	ISO 2551	≤0.2 %
Castor chair	EN 985	Minimum R Value: ≥ 2.4
Light fastness	EN ISO 105-B02	>5
Impact sound reduction	ISO 140-8	24dB
Sound absorption	ISO 354 aw	0.15
Environmental		Materials used in the construction of Tessera carpet tiles are chosen for their low volatile organic compound (VOC) levels. All Tessera carpet tiles are manufactured using 100% green electricity.
Indoor air quality		All ranges achieve Green Label Plus 01350 indoor air quality standard. All ranges meet the requirements of DIBt/AgBB for use in the indoor environment.
BREEAM Accreditation		Basis, Apex 640, Format & Helix are BRE Global Listed.
Guarantee		Apex 640 is guaranteed for 10 years under heavy contract conditions provided that it has been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force.
Apex meets the requirements of EN 14041		
Reaction to fire	EN 13501-1	B <sub>s</sub> s1
Slip resistance	EN 13893	DS: ≥ 0,30
Body voltage	EN 1815	≤ 2 kV
Electrical resistance	EN 10965	All ranges: < 1.10 <sup>9</sup> Ω. Static dissipative.

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The Apex 640 collection of low level loop pile carpet tiles features a contemporary palette of 22 tonal colourways with universal appeal, designed to meet the aesthetic requirements of modern offices everywhere. Stylish good looks are combined with high technical performance.

Apex 640 is manufactured from 100% Aquafil solution-dyed nylon yarn, renowned for its low dust and dirt penetration and superior colour fastness. Accordingly Apex 640 delivers the appearance retention, wear resistance and sheer durability required in heavy traffic areas, even when subjected to intensive cleaning regimes.



# tessera<sup>®</sup> format

With a distinctive textured construction and a sophisticated colour palette of 12 contemporary and commercially attractive tonal shades, Format has taken low loop piles into a new dimension. This hardwearing heavy contract carpet tile manufactured using new high tech tufting machines combines rich texture with densely packed low loops for superior aesthetic appeal and real added value.

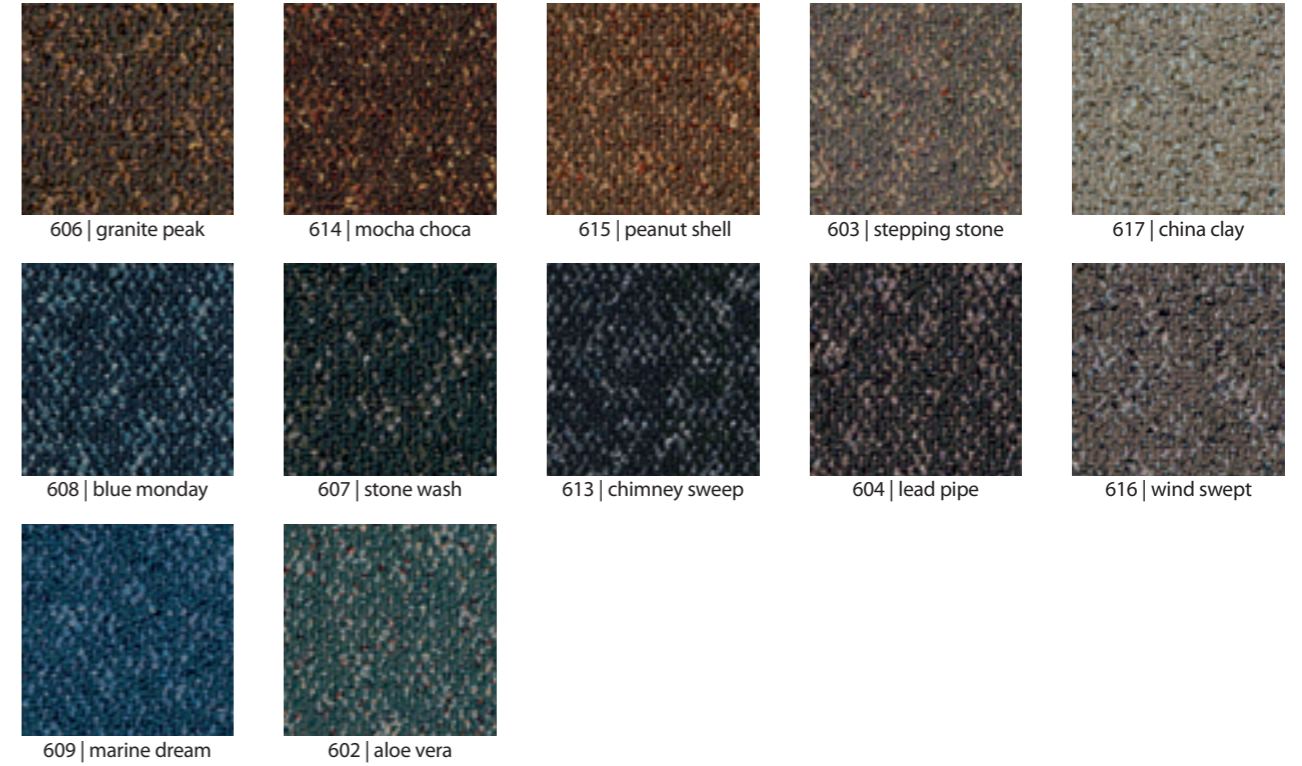
A universally attractive tile suitable for heavy traffic environments in all types of commercial premises, Format boasts a high castor chair

rating, making it an ideal and cost-effective solution for busy offices large and small. Manufactured from 80% solution dyed yarn, with enhanced resistance to fading over time or through intensive cleaning, Format is a particularly attractive proposition for areas prone to soiling. Carefully coordinated space dyed yarns provide a subtle flecked effect throughout the tile adding visual interest to the floorspace and enhancing its soil hiding properties.



609 | marine dream

# tessera<sup>®</sup> format



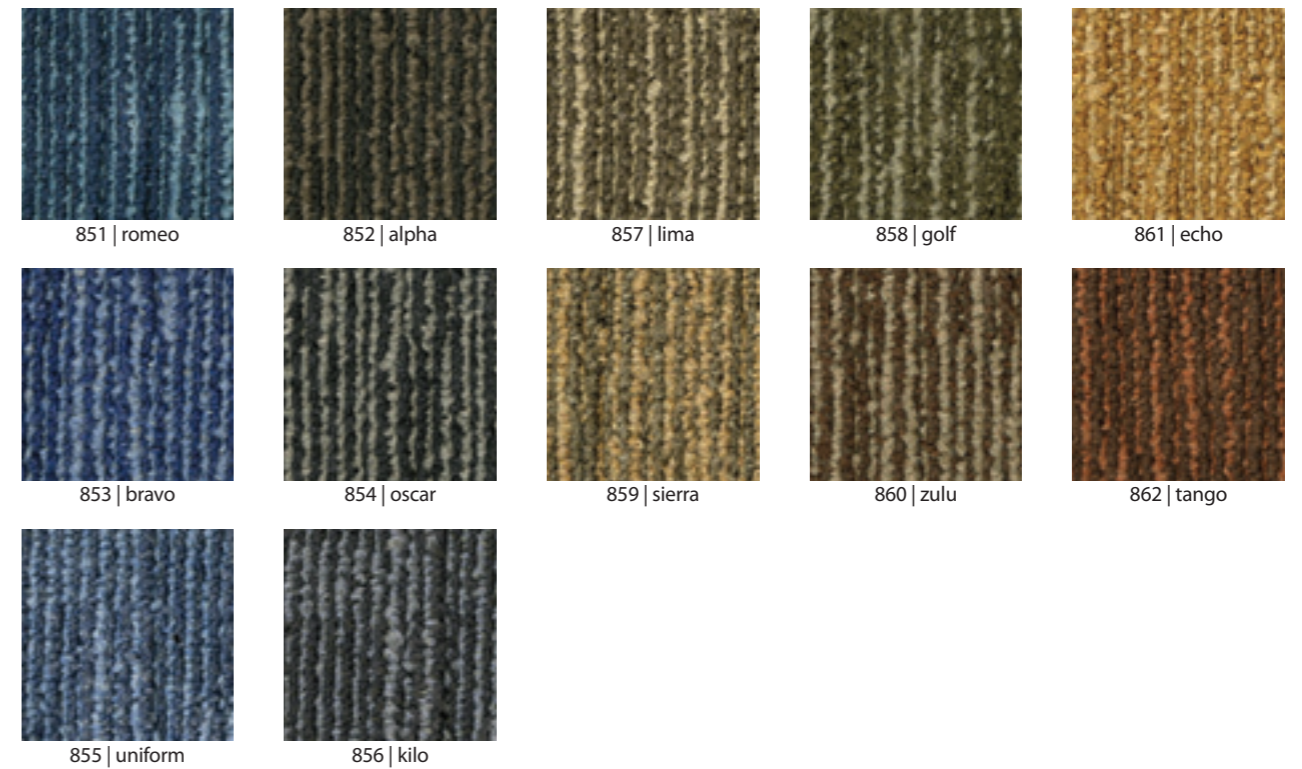
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## tessera<sup>®</sup> format technical specifications

Format carpet tiles meet the requirements of EN 1307

Description	Textured loop pile carpet tile	
Dimensions / tiles per box	EN 994	50cm x 50cm / 20 tiles per box
Total thickness	ISO 1765	6,1mm ± 10%
Installation Method		Broadloom or 1/4 turn
Pile composition		100% Aquafil polyamide
Dye Method		80% solution dyed, 20% space dyed
Pile Weight	ISO 8543	525gsm ± 10%
Total weight	ISO 8543	4,140gsm ± 10%
Stitch density	ISO 1763 Tufts per m <sup>2</sup>	255,312 /m <sup>2</sup> ± 10%
Primary backing		Polyester
Secondary backing		Modified bitumen & polyester fleece
Application	EN 685/ISO 10874	Class 33, suitable for any type of heavy contract application
Dimensional stability	ISO 2551	≤0.2 %
Castor chair	EN 985	Minimum R Value: ≥ 2.4
Light fastness	EN ISO 105-B02	>5
Impact sound reduction	ISO 140-8	25dB
Sound absorption	ISO 354 aw	0.15
Environmental		Materials used in the construction of Tessera carpet tiles are chosen for their low volatile organic compound (VOC) levels. All Tessera carpet tiles are manufactured using 100% green electricity.
Indoor air quality		All ranges achieve Green Label Plus 01350 indoor air quality standard. All ranges meet the requirements of DIBt/AgBB for use in the indoor environment.
BREEAM Accreditation		Basis, Apex 640, Format & Helix are BRE Global Listed.
Guarantee		Format is guaranteed for 10 years under heavy contract conditions provided that it has been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force.
Format meets the requirements of EN 14041		
Reaction to fire	EN 13501-1	B <sub>s</sub> s1
Slip resistance	EN 13893	DS: ≥ 0,30
Body voltage	EN 1815	≤ 2 kV
Electrical resistance	EN 10965	All ranges: < 1.10 <sup>9</sup> Ω. Static dissipative.

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tessera® inline technical specifications

Inline carpet tiles meet the requirements of EN 1307

	Description	Tufted multi-pile height loop pile carpet tile
	Dimensions / tiles per box	EN 994 50cm x 50cm / 16 tiles per box
	Total thickness	ISO 1765 6,8mm ± 10%
	Installation Method	Broadloom or 1/4 turn
	Pile composition	100% Universal polyamide 6,6
	Dye Method	Solution dyed
	Pile Weight	ISO 8543 540gsm ± 10%
	Total weight	ISO 8543 4,155gsm ± 10%
	Stitch density	ISO 1763 Tufts per m² 236,400 /m² ± 10%
	Primary backing	Polyester
	Secondary backing	Modified bitumen & polyester fleece
	Application	EN 685/ISO 10874 Class 33, suitable for any type of heavy contract application
	Dimensional stability	ISO 2551 ≤0.2 %
	Castor chair	EN 985 Minimum R Value: ≥ 2.4
	Light fastness	EN ISO 105-B02 >5
	Impact sound reduction	ISO 140-8 25dB
	Sound absorption	ISO 354 aw 0.20
	Environmental	Material used in the construction of Tessera carpet tiles are chosen for their low volatile organic compound (VOC) levels. All Tessera carpet tiles are manufactured using 100% green electricity.
	Indoor air quality	All ranges achieve Green Label Plus 01350 indoor air quality standard. All ranges meet the requirements of DIBt/AgBB for use in the indoor environment.
	Guarantee	Inline is guaranteed for 10 years under heavy contract conditions provided that it has been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force.
	Inline meets the requirements of EN 14041	
	Reaction to fire	EN 13501-1 B <sub>p</sub> s1
	Slip resistance	EN 13893 DS: ≥ 0,30
	Body voltage	EN 1815 ≤ 2 kV
	Electrical resistance	EN 10965 All ranges: < 1.10 <sup>9</sup> Ω. Static dissipative.

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One of a new generation of cleverly textured loop pile tiles is the Tessera Inline, it adds a completely new twist to the concept of linear design. Aimed primarily at the commercial office market, inline offers more than just the plain ridges and stripes of a conventional linear loop pile carpet tile as it features rich, differential texture and a strong directional pattern, randomly interspersed with tonal patches.

This 'broken linearity' and combination of high and low level loops delivers a visually interesting backdrop for any commercial interior design scheme. The forgiving design also cleverly masks the tile edges resulting in a broadloom appearance when laid in monolithic fashion. Inline is a flexible and adaptable heavy contract carpet tile. Its innovative pile construction gives an excellent level of wear performance and

appearance retention. Offered in a selection of 12 muted tones, it's a range influenced by international designs and textures and perfectly complements today's contemporary office space. Using a new yarn route Tessera Inline has been produced using nylon 6.6 yarn, which has an unusually high recycled content helping customers to meet environmental concerns.

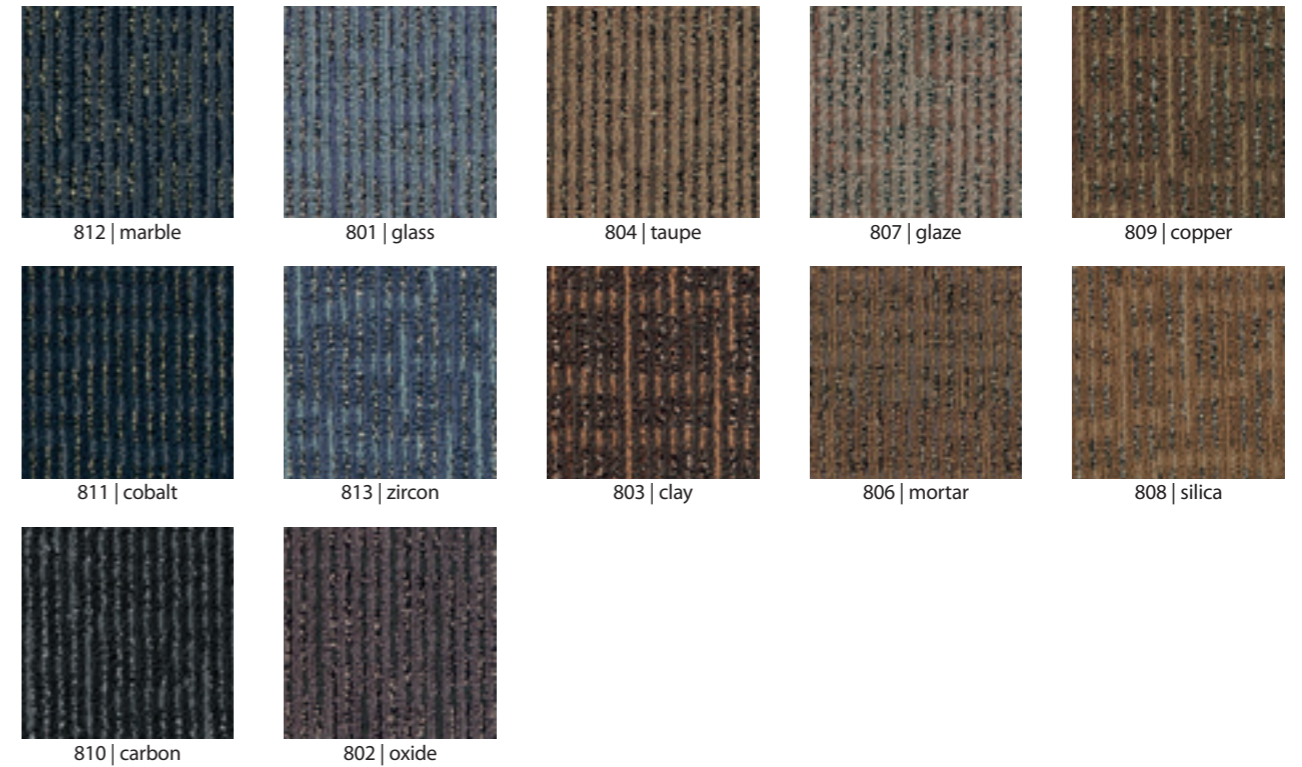


810 | carbon

The use of high lustre Antron® “metallic” yarn in Tessera Helix gives a restrained reflective quality to this distinctive multi-height loop pile tile. The silver coloured nylon thread is cleverly juxtaposed with Antron’s solution dyed yarns drawn from a contemporary colour palette comprising greys, taupe, blues and beiges.

Inspiration for these 12 muted and subdued colourways is derived from architectural materials and the hues of the modern urban landscape. Manufactured using advanced tufting machinery, Tessera Helix has an understated linear design which, when

fitted quarter turn or tessellated, can deliver rich texture and visual appeal to large open floorspaces.



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### tessera® helix technical specifications

Helix carpet tiles meet the requirements of EN 1307

Description	Tufted multi-pile height loop pile carpet tile	
Dimensions / tiles per box	EN 994	50cm x 50cm / 16 tiles per box
Total thickness	ISO 1765	7,2mm ± 10%
Installation Method		¼ turn
Pile composition		100% Invista Antron Excel SC polyamide 6,6
Dye Method		Solution dyed
Pile Weight	ISO 8543	740gsm ± 10%
Total weight	ISO 8543	4,355gsm ± 10%
Stitch density	ISO 1763 Tufts per m²	222,216 /m² ± 10%
Primary backing		Polyester
Secondary backing		Modified bitumen & polyester fleece
Application	EN 685/ISO 10874	Class 33, suitable for any type of heavy contract application
Dimensional stability	ISO 2551	≤0.2 %
Castor chair	EN 985	Minimum R Value: ≥ 2.4
Light fastness	EN ISO 105-B02	>5
Impact sound reduction	ISO 140-8	25dB
Sound absorption	ISO 354 aw	0.15
Environmental		Materials used in the construction of Tessera carpet tiles are chosen for their low volatile organic compound (VOC) levels. All Tessera carpet tiles are manufactured using 100% green electricity.
Indoor air quality		All ranges achieve Green Label Plus 01350 indoor air quality standard. All ranges meet the requirements of DIBt/AgBB for use in the indoor environment.
BREEAM Accreditation		Basis, Apex 640, Format & Helix are BRE Global Listed.
Guarantee		Helix is guaranteed for 10 years under heavy contract conditions provided that it has been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force.
Helix meets the requirements of EN 14041		
Reaction to fire	EN 13501-1	B <sub>s</sub> s1
Slip resistance	EN 13893	DS: ≥ 0,30
Body voltage	EN 1815	≤ 2 kV
Electrical resistance	EN 10965	All ranges: < 1.10 <sup>9</sup> Ω. Static dissipative.

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# Protect your floor covering



Preventing unnecessary soiling and damage  
Installing an effective entrance flooring system is the single most important step you can take to maximise the longevity, appearance and performance of your new Tessera carpet tile installation and to minimise your long term maintenance requirements.

Whilst its key role is to protect interior floor finishes by scraping the soles of shoes and wheel treads in order to prevent soil and moisture from entering the building, entrance flooring also has a critical role to play in the protection of people - helping to prevent accidents within a building.

With an array of different systems to choose from, the specification of entrance flooring has become quite a complex business. Our Coral entrance flooring products are renowned for their quality and longevity and are specified with confidence by architects, designers, facilities managers and flooring contractors everywhere.

## Forbo FloorCare method

### Tessera tiles

Care and maintenance of Tessera products is essential for their longevity and appearance. Soiling and general wear adversely affect the appearance of carpet tiles and should be countered by an effective cleaning programme. A regular cleaning programme will minimise the need for major restorative maintenance. Also make sure you install an entrance barrier matting at every exterior entrance. Avoid excessive use of cleaning products. If used, rinse them out thoroughly, as any residue may attract dirt.

### Cleaning after installation



- Vacuum clean the floor using an upright vacuum cleaner with a powered brush
- Remove stains or spills locally using clean warm water
- Always work from outside inwards
- Remove excess water
- Allow the floor to dry

### Regular cleaning



- Vacuuming  
Regular vacuuming, using an upright vacuum cleaner with a powered brush, is the essential first step in the upkeep of the installation. Heavy traffic areas require more frequent vacuuming than those areas which are less frequented.



- Spot and stain removal  
A daily spot and stain removal process should also be implemented using a neutral spotting detergent. The stain should not be allowed to dry as this can make removal more difficult.

### Periodic maintenance



Vacuuming will not easily remove oily residues from carpet tiles nor the balance of dry soiling. Systems have been developed to maintain appearance longer and remove some of the soiling. These systems allow carpet tiles to be maintained on a periodic basis.

- Rotary shampoo: using rotating brushes and a crystallising shampoo
- Hot water extraction: a very effective way to remove heavy soiling.

Extensive Clean & Care instructions are available at your local Forbo Flooring sales office. Please read this before starting any corrective care or stain removal.



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



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