



tessera[®] inline

creating better environments



FLOORING SYSTEMS

The act of planning allows us to arrange or re-arrange, helping us to define space and become organised. In this way we develop structures, form groups and create synergies. In time that can determine direction, giving purpose and meaning to each task.

Combining soft geometric structure with intermittent linearity, the strong use of differential texture creates a natural, randomised appearance enabling monolithic installation.

- Available in 10 contemporary shades, Inline offers a modern and usable palette.
- Co-ordinates perfectly with colours from Layout & Outline and Cloudscape ranges.
- 100% solution dyed polyamide 6
- Meets Ska criteria for M12 soft floor coverings
- Contains 63% recycled content by weight



63% recycled
content by
weight



textured loop
construction for
structure and pattern



50cm x 50cm
carpet tile





872 | onyx



879 | mellow

Inline colour options



879 | mellow

LRV 25



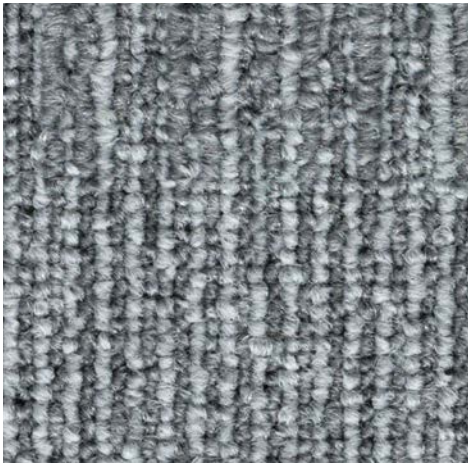
874 | tiramisù

LRV 16



871 | syllabub

LRV 25



878 | steam

LRV 23



873 | tungsten

LRV 15



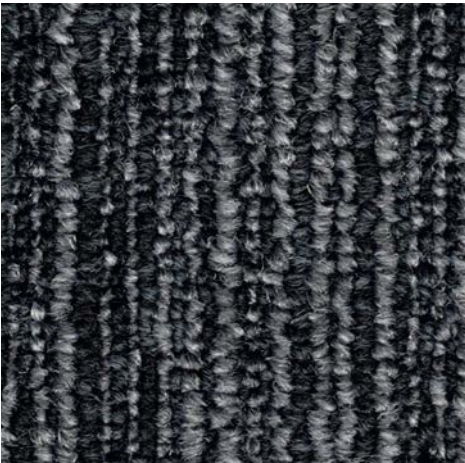
875 | banoffee

LRV 20



877 | mallard

LRV 23



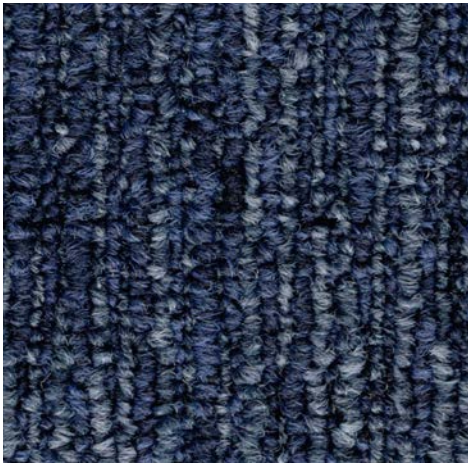
872 | onyx

LRV 8



870 | molasses

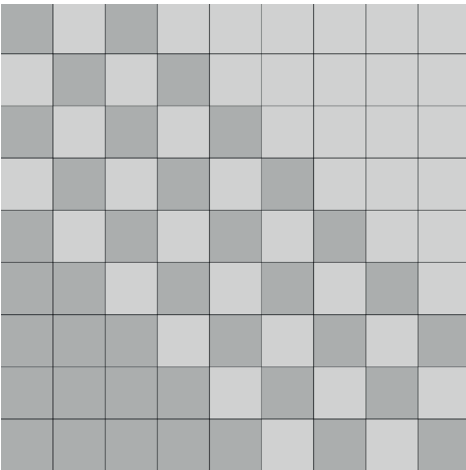
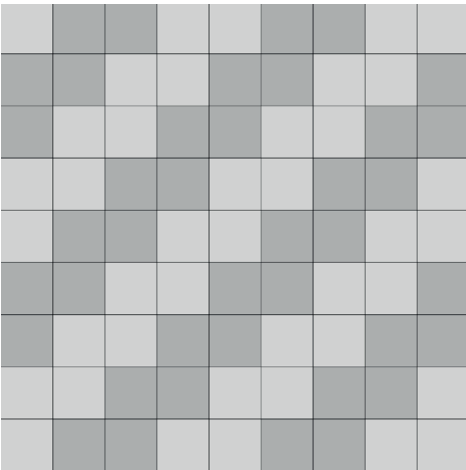
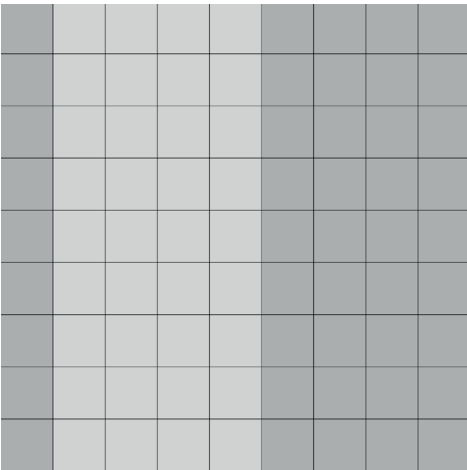
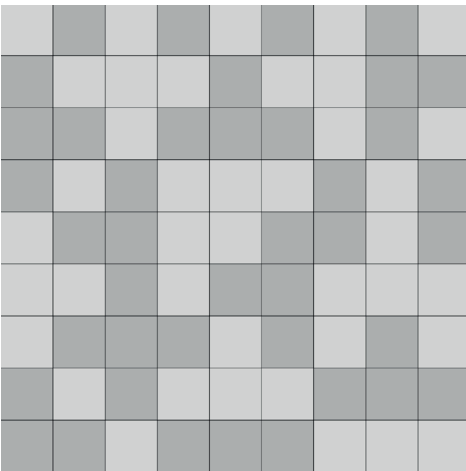
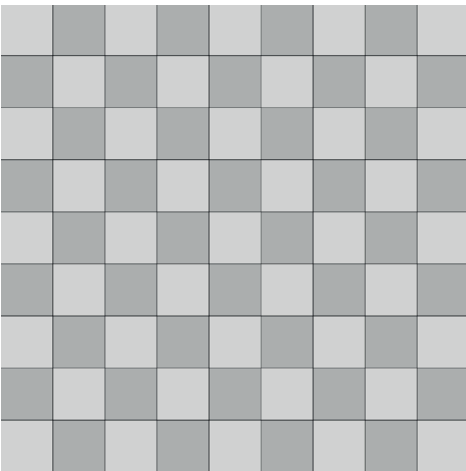
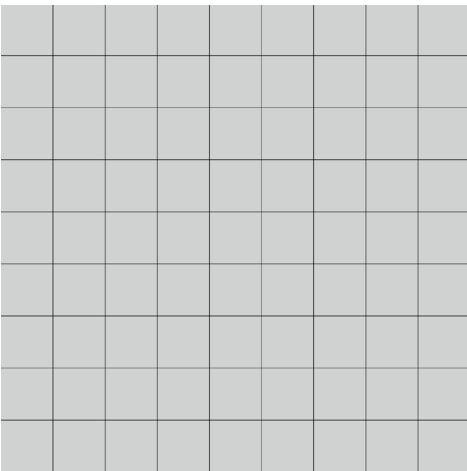
LRV 8



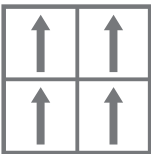
876 | celestial

LRV 8

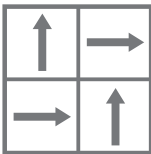
Inline installation ideas



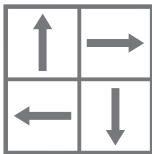
Inline fitting options



monolithic



quarter turn



tessellated





Forbo Environmental Data Sheet

Product name	Tessera Inline
Product description	Tessera Inline features differential texture and is produced with premium polyamide 6. Inline complies with all requirements of EN1307: Textile Floor Coverings – Classification of Pile Carpets.
Manufacturing location	Bamber Bridge, United Kingdom
Site accreditation	ISO14001, ISO 9001, ISO 45001, SA8000®



Our footprint – how it’s made

Environmental data	
Total recycled content of product by weight	63%
Post industrial recycled content	63%
% renewable electricity & biogas used	100%

Independent assessment and rating	
ISO 9001 Quality Management System	
ISO 14001 Environmental Management System	
ISO 45001 Occupational Health and Safety Management	
Inline is made in an SA8000® certified facility	
	

Carbon footprint		
Estimated carbon footprint using data from Environmental product declaration according to ISO 14025	Raw materials and production	11.6 kg CO ₂ eq/m ²
	Use (1 year)	0.804 kg CO ₂ eq/m ²

Health and well being	
Air quality	
CHPS 01350	Tessera products comply to 01350 Indoor Air Quality Standard
AgBB/DiBt	Pass

Impact sound reduction	25 dB
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Installation	
Recommended adhesives	<p>Carpet tiles must be adhered using an all over tackifier adhesive system: Forbo Eurocol 542 Eurofix Tack Plus, a solvent free release system, is recommended. Where periphery tiles are not constrained by fixtures e.g. walls, edge strips etc, it is recommended that such tiles are adhered using a permanent adhesive; Forbo Eurocol 640 Eurostar Special, again a solvent free adhesive is recommended.</p> <p>Adhesives must be applied according to the manufacturer's instructions and it is essential that tackifier adhesives are allowed to dry to a tacky finish before laying the carpet tile. Failure to do so could result in a permanent non-release bond.</p> <p>Where contribution to credits for BREEAM sections HEA2 and HEA9 are required then low emission adhesive Eurocol 542 tack plus should be used. If a permanent bond is required, please use Eurocol 640 Eurostar special.</p>

Forbo Environmental Data Sheet – continued

Maintenance

Appropriate care and maintenance is essential to longevity and appearance retention and is necessary to maintain product warranties. Refer to the clean and care instructions available from Forbo Flooring Systems.

All Tessera products are suitable for cleaning using the Dry Fusion technique. Dry Fusion uses 95% less water than the normal system of cleaning, produces no waste product, uses non hazardous and biodegradable cleaning solutions and all packaging and materials within the Dry Fusion System can be recycled.

End of life

Products suitable for reuse, recycling, downcycling and waste to energy. Forbo Flooring Systems works with recycling companies to clean, reuse and recycle old carpet tiles in the UK.

Contribution to Green Building Schemes

BREEAM 2014

BREEAM ratings	Building Type					
	Office	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)
	A	A	A	A	A	A+

BREEAM 2018

Compliant through declaration number 4788603145.128.1 Valid until November 2023

LEED (version 4)

Potential direct or indirect contribution to following categories and credits:	Materials and Resources	
		Building product disclosure and optimisation - sourcing of raw materials - up to 1 point
		Construction and demolition waste management up to 2 points
	Indoor environmental quality	Low emitting materials up to 3 points
		Acoustic performance up to 1 point


















Forbo design principles (Reduce, Recycle, Reuse, Renew)

Reduce	Investment in an extruder has reduced our bitumen usage by 50%.
Reuse	Yarn ends are rewound and used in the production of new Tessera Carpet tiles. All Tessera samples can be returned allowing them to be reused or recycled, reducing the need for virgin materials.
Recycle	Yarns, backing cloth, fillers and latex all contain recycled materials. All tufted Tessera carpet tiles made in the UK contain at least 56% recycled content by weight.
Renew	All Tessera carpet tiles manufactured at Bamber Bridge are made with 100% renewable forms of energy (renewable electricity & biogas).






visit www.forbo-flooring.co.uk/downloads for more information

Technical specification

Tessera Inline carpet tiles meet the requirements of EN 1307

Description		Tufted multi-height loop pile carpet tile	
	Dimensions	EN 994	50cm x 50cm
	Total thickness	ISO 1765	6.5mm ± 10%
	Pile height	ISO 1766	3.9mm ± 0.5mm
	Collection size	10 colourways, 4m² per box	
	Commercial use	EN ISO 10874	Class 33, Suitable for any type of heavy contract application
	Pile composition	100% polyamide 6	
	Dye method	100% solution dyed	
	Stitch density	ISO 1763	198,374 per m² ± 10%
	Pile weight	ISO 8543	605 gsm ± 10%
	Total weight	ISO 8543	4,120 gsm ± 10%
	Primary backing	Polyester	
	Secondary backing	ProBac recycled mineral filler with low amount of modified bitumen, and polyester fleece. Contains over 76% recycled content.	
	Acoustic	ISO 717-2	Impact sound ΔL_w = 25 dB
		ISO 354	Sound absorption = 0.15
	Castor chair use	ISO 4918	$r \geq 2.4$ continuous use
	Light fastness	EN ISO 105-B02	≥ 5
	Dimensional stability	EN 986	≤ 0.2 %
	Creating Better Environments		
	Renewable Energy	All Tessera tufted carpet tiles are manufactured using 100% renewable energy (electricity & biogas)	
	Recycled Content	Inline carpet tiles contain 63% recycled content by weight	
	Indoor Air Quality	Inline carpet tiles comply to 01350 Indoor Air Quality Standard	
	Back to the Floor	Installation off cuts can be collected via Back to the Floor	
	Ska Rating	Inline meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes	
	Prodis-GUT	www.pro-dis.info	F2BC1C73
	Installation method	Monolithic, brick, tessellated, quarter turn & quarter brick	

Inline carpet tiles meet the requirements of EN 14041

	DOP	EN 14041	1170100-DoP-101
	Reaction to fire	EN 13501-1	B _{fl} -s1, G, NCS
	Slip resistance	EN 13893	$\mu \geq 0.30$
	Body voltage	ISO 6356	< 2.0 kV
	Thermal conductivity	EN 12524	0.006 m².K/W

All Forbo Flooring Systems' sales organisations and manufacturing sites worldwide have certified Quality Management Systems in accordance with ISO 9001. All Forbo Flooring Systems' manufacturing plants have certified Environmental Management Systems in accordance with ISO 14001. Tessera Inline is manufactured in a facility certified to SA8000® and ISO 45001.

Contact us



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, flocced and entrance flooring products combine functionality, colour and design, offering total flooring solutions for any indoor environment.

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Samples can be ordered over the phone,
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(Mon - Fri, 8.30am - 5.00pm)

Samples can be ordered 24/7 by visiting
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