



tessera<sup>®</sup> cloudscape

creating better environments

**forbo**  
FLOORING SYSTEMS



**In today's crowded urban environment we often risk losing touch with nature, our only connection being the sky above us. The constantly changing vista of cloud formations and the rich spectrum of light and colour provide a bridge to the outside helping us to re-connect.**

- Available in 16 natural colourways, Tessera Cloudscape offers a tonal progression of colours ranging from very dark to very pale, ideal for a wide range of applications and LRV requirements.
- Can be laid non-directional or monolithic
- Contains 61% recycled content by weight



61% recycled content by weight



textured loop construction for structure and pattern



50cm x 50cm carpet tile





3401 | light airs

3402 | ocean winds



3407 | april shower





3408 | grey dawn  
3405 | sunset sky



3415 | gulf stream





Cloudscape can be co-ordinated with Layout, Outline and Inline through a shared yarn system, or mixed with any other Tessera carpet tile or Allura Flex luxury vinyl tiles and planks.

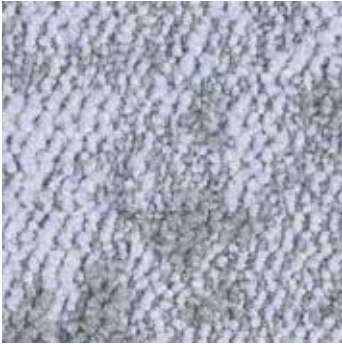
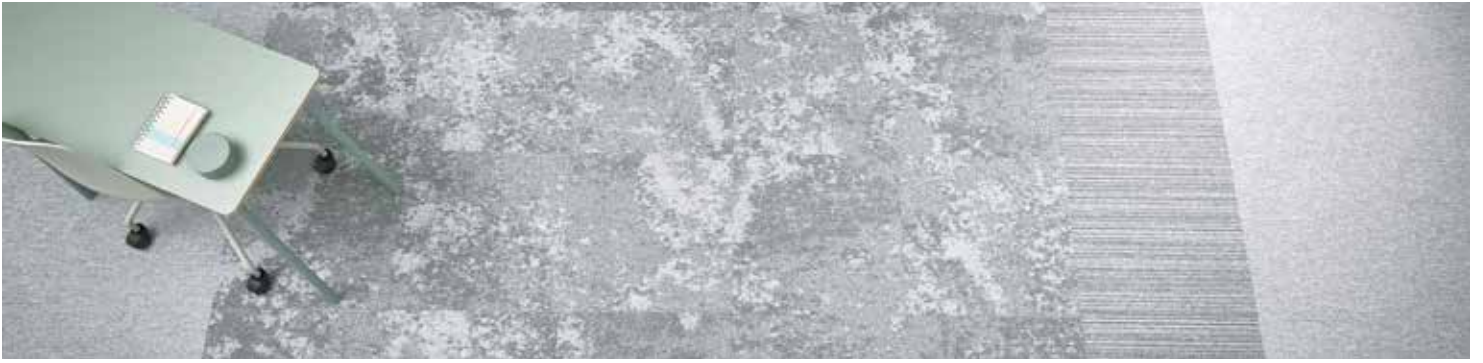
3401 | light airs  
3102 | outline soda



3401 | light airs  
3102 | outline soda  
2112 | layout frosting



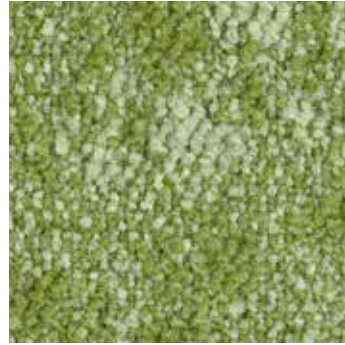
# Cloudscape colour options



3409 | dawn chorus LRV 18



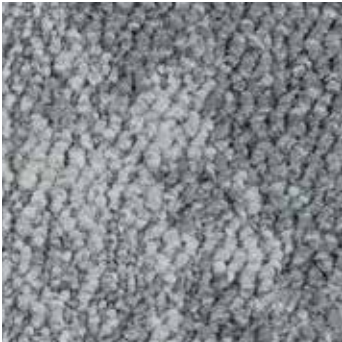
3405 | sunset sky LRV 17



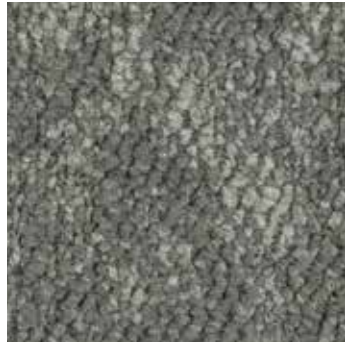
3413\* | monsoon cloud LRV 13



3402\* | ocean winds LRV 17



3401\* | light airs LRV 19



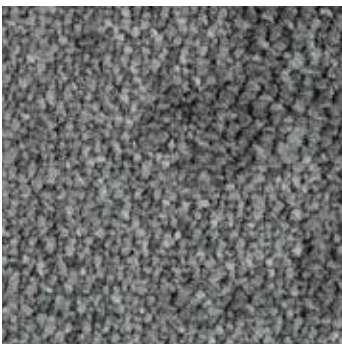
3408 | grey dawn LRV 13



3412 | summer storm LRV 15



3407 | april shower LRV 12



3400\* | nimbus grey LRV 6



3411 | cirrus sky LRV 10



3415 | gulf stream LRV 15



3404 | cumulus blue LRV 11



3403\* | thunderbolt LRV 6



3410\* | stormy weather LRV 8



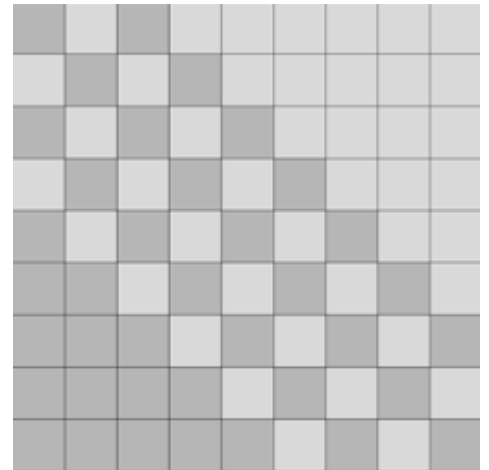
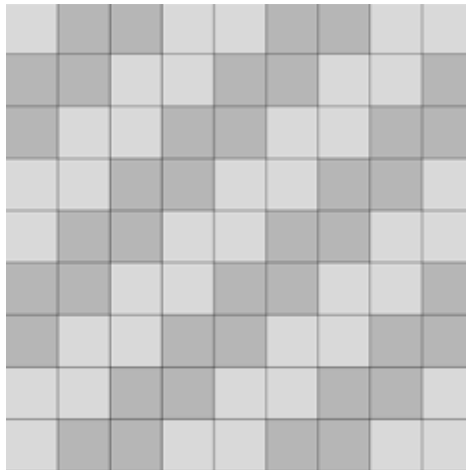
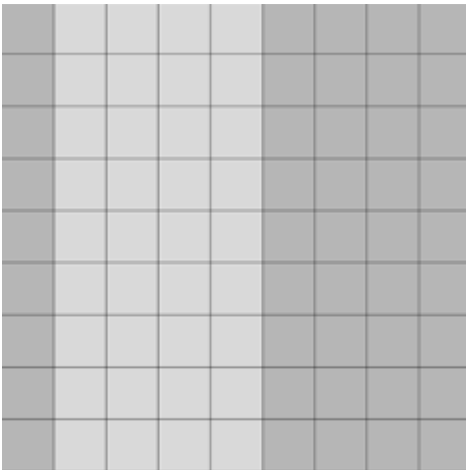
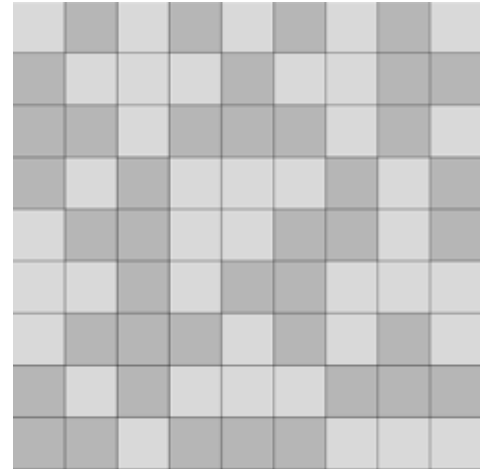
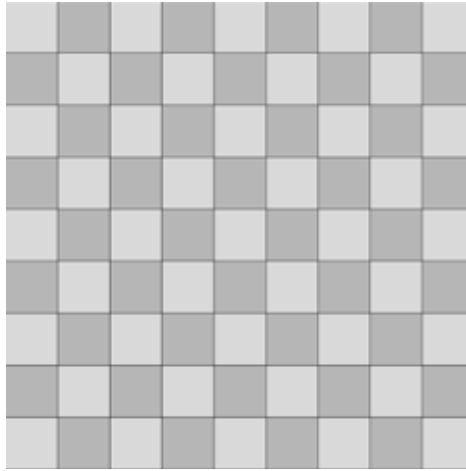
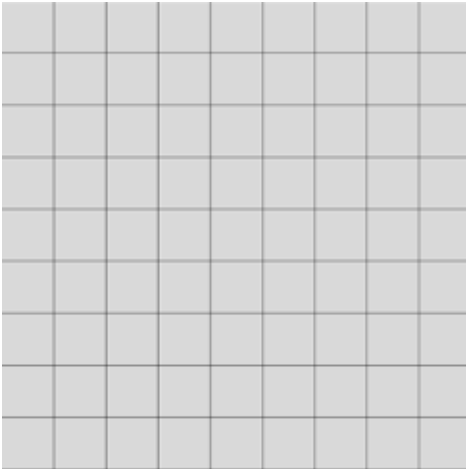
3414 | mistral gale LRV 8



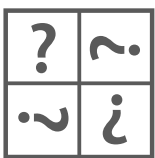
3406 | sirocco blue LRV 7

\* = Australian stocked

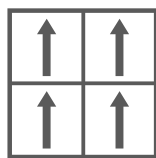
# Cloudscape installation ideas



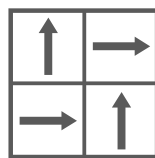
# Cloudscape fitting options



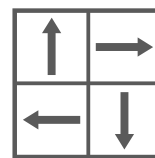
random



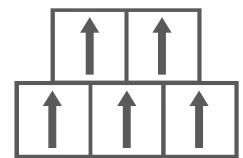
monolithic



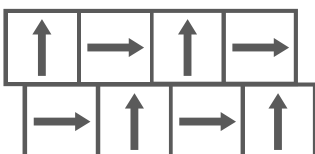
quarter turn



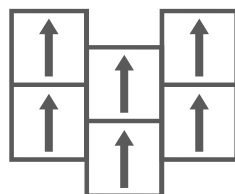
tessellated



brick



brick quarter turn



1/2 drop



# Forbo Environmental Data Sheet

<b>Product name</b>	<b>Tessera Cloudscape</b>
Product description	Tessera Cloudscape features organic texture and is produced with premium polyamide 6. Cloudscape 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	61%
Post industrial recycled content	61%
% 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



Cloudscape 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	12.9 kg CO <sub>2</sub> eq/m <sup>2</sup>
	Use (1 year)	0.804 kg CO <sub>2</sub> eq/m <sup>2</sup>

### Health and well being

Air quality	
CHPS 01350	Tessera products comply to 01350 Indoor Air Quality Standard
AgBB/DiBt	Pass

**Impact sound reduction** 26 dB

### Installation

Recommended adhesives Carpet tiles must be adhered using an all over tackifier adhesive system: Forbo PS1 Tile Fix 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 540 or 640 Eurostar Special, again a solvent free adhesive is recommended.

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.



# Forbo Environmental Data Sheet – continued

## Maintenance

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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.

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## End of life

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Products suitable for reuse, recycling, downcycling and waste to energy.

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

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<b>Reduce</b>	Investment in an extruder has reduced our bitumen usage by 50%.
<b>Reuse</b>	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.
<b>Recycle</b>	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.
<b>Renew</b>	All Tessera carpet tiles manufactured at Bamber Bridge are made with 100% renewable electricity

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













visit [www.forbo-flooring.com.au/downloads](http://www.forbo-flooring.com.au/downloads) for more information

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






# Technical specification

Tessera Cloudscape carpet tiles meet the requirements of EN 1307

Description	Tufted multi-pile height loop pile carpet tile	
 Dimensions	EN 994	50cm x 50cm
 Total thickness	ISO 1765	7.2mm ± 10%
Pile height	ISO 1766	4.4mm +15% -10%
 Collection size	16 colourways. 4m <sup>2</sup> 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	217,267 per m <sup>2</sup> ± 10%
 Pile weight	ISO 8543	665gsm ± 10%
Total weight	ISO 8543	4,180gsm ± 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 $\Delta L_w = 26$ dB
	ISO 354	Sound absorption = 0.15
 Castor chair use	ISO 4918	$r \geq 2.4$ continuous use
 Light fastness	EN ISO 105-B02	$\geq 5$
 Dimensional stability	EN 986	$\leq 0.2$ %
 Creating Better Environments		
 Renewable Energy	All Tessera tufted carpet tiles are manufactured using 100% renewable energy (electricity & biogas)	
 Recycled Content	Cloudscape carpet tiles contain 61% recycled content by weight	
 Indoor Air Quality	Cloudscape 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	Cloudscape meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes	
Prodis-GUT	www.pro-dis.info	EC55D92C
 Installation method	Non-directional or monolithic	

Cloudscape carpet tiles meet the requirements of EN 14041

 Product code	EN 14041	1170100-DoP-101
 Reaction to fire	ISO 9239.1	CRF: >4.5kW/m <sup>2</sup> / Smk Dvlp: <750%.min
 Slip resistance	AS 4568	R12
 Body voltage	ISO 6356	< 2 kV
 Thermal resistance	EN 12667	0.08 m <sup>2</sup> .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 Cloudscape 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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