

## Forbo Environmental Data Sheet

<b>Product name</b>	<b>Tessera Struktur 1</b>
Product description	Tessera Struktur 1 is a subtle, compact microtufted carpet tile with a polyamide 6 pile, available in 18 colourways. Struktur 1 complies with all requirements of EN 1307: 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 65%

Post industrial recycled content 65%

% 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



Tessera is made in an SA8000® certified facility



#### Carbon footprint

Estimated carbon footprint using data from Environmental product declaration according to ISO 14025	Cradle to gate (A1-A3)	7.06 kg CO <sub>2</sub> eq/m <sup>2</sup>
	Use (1 year) (B2)	0.763 kg CO <sub>2</sub> eq/m <sup>2</sup>

### Your footsteps – how it performs

#### Health and well being

Air quality Indoor Air Comfort Gold

Prodis-GUT CBEA6AEE0

Impact sound reduction 17 dB

#### Installation

Recommended adhesives

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. 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.

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.

## 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 used carpet tiles in the UK.

## Contribution to Green Building Schemes

### BREEAM 2018

Compliant through declaration number 4789471078.143.1 Valid until July 2025

### Ska scheme (RICS)

M12 soft floor covering criteria	(Ska Offices Vs 1.2 2013) Meets	(Ska Retail Vs 1.0 2012) Meets	(Ska Higher Education Vs 1.0 2016) Meets
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### LEED (version 4.1)

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)

<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 contain at least 57% recycled content by weight.
<b>Renew</b>	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](http://www.forbo-flooring.co.uk/downloads) for more information