

Forbo Environmental Data Sheet

Product name	Tessera Diffusion
Product description	Tessera Diffusion reflects an evolution towards softer more organic geometry observed in nature. Inspired by crystalline structures, the fractal shapes fade in and out creating appealing contemporary floor spaces. Diffusion complies with all requirements of EN1307: Textile Floor Coverings – Classification of Pile Carpets.
Manufacturing location	Bamber Bridge, United Kingdom
Site accreditation	ISO 14001, ISO 9001, ISO 45001, SA8000®



Our footprint – how it's made

Environmental data

Total recycled content of product by weight	66%
Post industrial recycled content	66%
% 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	Raw materials and production	8.74 kg CO ₂ eq/m ²
	Use (1 year)	0.804 kg CO ₂ eq/m ²

Your footsteps – how it performs

Health and well being

Indoor Air quality	Gold
AgBB/DiBt	Pass
Impact sound reduction	22 dB

Installation

Recommended adhesives The recommended adhesive for the Tessera collections is Eurocol Eurocol 542 Eurofix Tack. More information about adhesives and environmental impact via info.eurocol@forbo.com.

For the Tessera installation guides visit [our website](#).

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.

End of life

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

Contribution to Green Building Schemes

BREEAM-NL

Potential direct or indirect contribution to following categories and credits:

New Building and Renovation	MAT01 Environmental impact of building materials MAT03 Responsible sourcing of building materials
In-Use	RSC11 Measures for future re-use of materials and waste RSC16 Circular origin of incoming products and materials

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 Construction and demolition waste management
Indoor environmental quality	Low emitting materials Acoustic performance

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 contain at least 57% 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.nl/downloads for more information