




Technical specifications




tessera® diffusion

Diffusion carpet tiles meet the requirements of EN 1307

Description		Tufted multi-height loop pile carpet tile
	Dimensions	50cm x 50cm
	Total thickness	6.5mm ± 10%
	Pile height	3.7mm ± 0.5mm
	Collection size	10 colourways, 4m ² per box
	Application	EN 1307 Class 33, Suitable for any type of heavy contract application
	Pile composition	100% Universal Fibers sm Refresh tm polyamide 6.6
	Dye method	100% solution dyed
	Stitch density	217,120 per m ² ± 10%
	Pile weight	570 gsm ± 10%
	Total weight	4,085 gsm ± 10%
	Primary backing	Polyester/Nylon
	Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac® secondary backing
	Castor chair use	BS EN 985:2001 Minimum R value: ≥2.4
	Light fastness	BS EN ISO 105 B02 ≥5
	Dimensional stability	BS EN 986 ≤0.2%
	Creating Better Environments	
	Renewable Electricity	All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources
	Recycled Content	Diffusion carpet tiles contain 66% recycled content by weight
	Indoor Air Quality	Diffusion meets 01350 Indoor Air Quality standard
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor
	Ska	Diffusion meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes
	Guarantee	Diffusion carpet tiles are guaranteed for 10 years under heavy contract conditions (15 years guaranteed with SOFTbac®) provided that they have been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force.
	Installation method	Monolithic, quarter turn or tessellated

Diffusion carpet tiles meet the requirements of EN 14041

CE
EN 14041

	Reaction to fire	EN 13501-1	B _{f1} -s1
	Slip resistance	EN 13893	DS: ≥0.30
	Electrical resistance	BS ISO 10965 & EN1815	<1 x 10 ⁹ Ω: Static dissipative. Body voltage: Pass (< 2kV) Lifetime protection through the use of permanent anti-static yarn and backing

BREEAM ratings

Tessera Diffusion – Carpet Tiles (EN1307)

Building Type	Education	Healthcare	Multi Residential	Retail (Durability)	Retail (Fashion)	Meets Ska criteria
Office	A	A+	A	A	A+	✓

Our recommended adhesive for our collection of Tessera carpet tiles is 542 Eurofix Tack plus. Please contact customer services for more information.

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.

Diffusion carpet tiles are manufactured in a facility certified to SA8000® and OHSAS 18001.

The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental product declarations (EPD's) or local building rating schemes such as BREEAM.

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