

Technical specifications

Tessera 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 Fiberssm Refresh™ polyamide 6.6	
	Dye method	100% solution dyed	
	Stitch density	217,120 per m ² ± 10%	
	Pile weight	570gsm ± 10%	
	Total weight	4,085gsm ± 10%	
	Primary backing	Polyester/Nylon	
	Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac® secondary backing	
	Castor chair use	EN 985	Minimum R Value: ≥ 2.4
	Light fastness	EN ISO 105-B02	≥ 5
	Dimensional stability	EN 986	≤ 0.2 %
		ISO 10140-3	ΔL _w = 22 dB
	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 carpet tiles products comply to 01350 Indoor Air Quality Standard	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor	
	Ska Rating	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 general contract conditions 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, tessellated	

CE
EN 14041

Tessera Diffusion carpet tiles meet the requirements of EN 14041

	Reaction to fire	EN 13501-1	B _{fl} -s1
	Slip resistance	EN 13893	DS: ≥ 0.30
	Electrical resistance	EN 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)
Office	A	A+	A	A	A+

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 Diffusion is 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.

