














Technical specifications




Diffusion carpet tiles meet the requirements of EN 1307

tessera[®] diffusion

	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 _{fl} -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 Office	Education	Healthcare	Multi Residential	Retail (Durability)	Retail (Fashion)	Meets Ska criteria
A	A	A+	A	A	A+	✓

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