

Technical specifications

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	
	Pile height	3.7mm	
	Collection size	10 colourways. 4m² per box	
	Application	EN 1307	Class 33, Suitable for any type of heavy contract application
	Pile composition	100% Universal Fibers™ Refresh™ polyamide 6.6	
	Dye method	100% solution dyed	
	Tuft density	217,120 per m² ± 10%	
	Pile weight	570gsm ± 10%	
	Total weight	4,085gsm ± 10%	
	Primary backing	Polyester	
	Secondary backing	ProBac recycled mineral filler with low amount of modified bitumen and polyester fleece	
	Castor chair use	EN 985	Minimum R Value: ≥ 2.4
	Light fastness	EN ISO 105-B02	≥ 5
	Dimensional stability	EN 986	≤ 0.2%
	Acoustical impact noise reduction	ISO 10140-3	23 dB
	Acoustical sound absorption	ISO 350	αw = 0.20 (H)
	Creating Better Environments		
	Renewable Energy	All Tessera carpet tiles are manufactured using 100% renewable energy (electricity & biogas)	
	Recycled Content	Diffusion carpet tiles contain 66% recycled content by weight	
	Indoor Air Quality	Diffusion carpet tiles achieve Indoor Air Comfort Gold 8.0 (2022)	
	Ska Rating	Diffusion meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes	
	Installation method	Monolithic, quarter turn, tessellated	

Diffusion carpet tiles meet the requirements of EN 14041

	Product code	EN 14041	1170100-DoP-109
	Reaction to fire	EN 13501-1	B _{f1} -s1, G, NCS
	Slip resistance	EN 13893	μ ≥ 0.30
	Body voltage	ISO 6356	< 2kV

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 ISO 45001.

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