
















Technical specifications







Tranquillity carpet tiles meet the requirements of EN 1307

Part of the **evolve+** series
product evolution for enhanced sustainability

	Description	Tufted multi-pile height loop carpet tile	
	Tile size	EN ISO 24342:2018	50 cm x 50 cm
	Total thickness	ISO 1765	6.7 mm
	Pile height	ISO 1766	3.4 mm
	Collection size	12 colourways	
	Packaging per carton of tiles	16 (4 m ²)	
	Commercial use	EN ISO 10874	Class 33
	Pile composition	100% ECONYL® regenerated polyamide 6	
	Dye method	100% solution dyed	
	Stitch density	ISO 1763	212,544 per m ²
	Pile weight	ISO 8543	580 g/m ²
	Total weight	ISO 8543	4120 g/m ²
	Primary backing	Polyester	
	Secondary backing	ProBac™ recycled mineral filler with low amount of modified bitumen and polyester fleece	
	Alternative available secondary backing	SOFTbac®	
	Acoustical impact noise reduction	ISO 10140-3	24 dB
	Acoustical sound absorption	ISO 354	$\alpha_w = 0.20$ (H)
	Castor chair continuous use	ISO 4918	$r \geq 2.4$
	Colour fastness to light	EN ISO 105-B02	≥ 6
	Dimensional stability	EN 986	$\leq 0.2\%$
	Indoor air emissions:TVOC after 28 days	EN 16516	$\leq 0.1 \text{ mg/m}^3$
	Creating Better Environments		
	Renewable Energy	All Tessera carpet tiles are manufactured using 100% renewable energy (electricity & biogas)	
	Recycled Content	Tranquillity carpet tiles contain 76% recycled content by weight	
	Indoor air quality	Tranquillity carpet tiles achieve Indoor Air Comfort Gold 8.0 (2023)	
	Ska Rating	Tranquillity carpet tiles meet Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes	
	Prodis-GUT	www.pro-dis.info	Tranquillity carpet tiles meet the test criteria of GUT
	Installation method	Monolithic	

Tranquillity carpet tiles meet the requirements of EN 14041:2004 and BS EN 14041:2004

CE UK
EN 14041 BS EN 14041

	Product code	EN 14041:2004	1170100-DoP-109
	Product code	BS EN 14041:2004	1170100-DoP-GB109
	Reaction to fire	EN 13501-1	B _{f1} -s1
	Slip resistance	EN 13893	$\mu \geq 0.30$
	Body voltage	ISO 6356	$< 2.0 \text{ kV}$
	Thermal conductivity	EN 12524	0.06 W/mK

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 carpet tiles and planks are 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 (EPD's).



09/2025

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