

Technical specifications

tessera® nexus

Nexus carpet tiles meet the requirements of EN 1307

	Description	Tufted multi-height loop pile carpet tile	
	Dimensions	50cm x 50cm	
	Total thickness	6.3mm ± 10%	
	Pile height	3.1mm ± 0.5mm	
	Collection size	9 colourways, 4m ² per box	
	Application	EN 1307	Class 33, Suitable for any type of heavy contract application
	Pile composition	100% polyamide 6.6	
	Dye method	100% solution dyed	
	Stitch density	226,714 per m ² ± 10%	
	Pile weight	790 gsm ± 10%	
	Total weight	4,305 gsm ± 10%	
	Primary backing	Polyester	
	Secondary backing	ProBac recycled mineral filler with low amount of modified bitumen and polyester fleece. Contains over 76% recycled content	
	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%
	Impact sound reduction	ISO 10140-3	ΔL _w = 25 dB
	Creating Better Environments		
	Renewable Energy	All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources	
	Recycled Content	Nexus carpet tiles contain 59% recycled content by weight	
	Indoor Air Quality	Nexus meets 01350 Indoor Air Quality standard	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor	
	Ska	Nexus meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes	
	Guarantee	Nexus carpet tiles are guaranteed for 10 years under heavy 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	

Nexus carpet tiles meet the requirements of EN 14041



	Reaction to fire	EN 13501-1	B _{fl} -s1, G, NCS
	Slip resistance	EN 13893	μ ≥0.30
	Body voltage	EN 1815	< 2 kV
	Indoor emissions: TVOC at 28 days	EN 16516	< 0.1 mg/m ³
	Content of specific dangerous substances	EN 14041	Compliant, not actively added

BREEAM ratings

Tessera Nexus is a new product and is currently under assessment for a BREEAM rating.

Colourway choice

As with any product, colour and design influence the appearance retention of the floor. The level and type of traffic should be considered as part of the process for selecting the Transition colourway.

Installation and maintenance

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. Nexus 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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