

Technical specifications

tessera[®] alignment

Alignment carpet tiles meet the requirements of EN 1307

Description		Tufted multi-height cut and loop pile carpet tile
	Dimensions	50cm x 50cm (Other sizes available for special orders)
	Total thickness	6.2mm ± 10%
	Pile height	3.5mm ± 0.5mm
	Collection size	24 colourways, 4m ² per box
	Application	EN 1307 Class 33, Suitable for any type of heavy contract application
	Pile composition	100% Invista Antron [®] Lumena polyamide
	Dye method	100% solution dyed
	Stitch density	217,488 per m ² ± 10%
	Pile weight (after shearing)	700 gsm ± 10%
	Total weight	4,195 gsm ± 10%
	Primary backing	Polyester
	Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac [®] secondary backing
	Castor chair use	BS EN 985 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	Alignment contains over 50% recycled content by weight
	Indoor Air Quality	Alignment meets 01350 Indoor Air Quality standard
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor
	Ska	Alignment meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes
	Guarantee	Alignment 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

Alignment 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 Alignment – Carpet Tiles (EN1307)

Building Type	Education	Healthcare	Multi Residential	Retail (Durability)	Retail (Fashion)	Meets Ska criteria
Office	A	A	B	A	A+	✓

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.

Alignment 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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