



















# Technical specifications

Tessera Alignment carpet tiles meet the requirements of EN 1307

	Description	Cut and loop pile carpet tile
	Dimensions	50cm x 50cm (Other sizes available for special orders)
	Total thickness	5.3mm ± 10%
	Pile height	3.5mm ± 0.5mm
	Collection size	24 colourways. 4m <sup>2</sup> per box
	Application	EN 1307 Class 33, Suitable for any type of heavy contract application
	Pile composition	100% Antron® Lumena polyamide
	Dye method	100% solution dyed
	Stitch density	217,488 per m <sup>2</sup> ± 10%
	Pile weight (after shearing)	730gsm ± 10%
	Total weight	4,225gsm ± 10%
	Primary backing	Polyester
	Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac® secondary backing
	Castor chair use	EN 985 Minimum R Value: ≥ 2.4
	Light fastness	EN ISO 105-B02 ≥ 5
	Dimensional stability	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 carpet tiles have over 50% recycled content by weight
	Indoor Air Quality	Alignment meets 01350 Indoor Air Quality standard
	Guarantee	Alignment carpet tiles are guaranteed for 10 years under heavy contract conditions (15 years 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	Broadloom, quarter turn or tessellated

Alignment carpet tiles meet the requirements of EN 14041

**CE**  
EN 14041

	Reaction to fire	EN 13501-1	B <sub>fl</sub> -s1
	Slip resistance	EN 13893	DS: ≥ 0.30
	Electrical resistance	EN 10965 & EN1815	< 1 x 10 <sup>9</sup> Ω: Static dissipative. Body voltage: Pass (< 2kV)

## BREEAM ratings Tessera - Alignment

Building Type	Education	Healthcare	Multi Residential	Retail (Durability)	Retail (Fashion)
Office	A	A	B	A	A+

All Forbo Flooring Systems' sales organisations 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.

The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental product declarations (EPD's) which can be found on our websites.

