





















# Technical specifications

Tessera Helix carpet tiles meet the requirements of EN 1307

	Description	Tufted multi-height loop pile carpet tile	
	Dimensions	50cm x 50cm (Other sizes available for special orders)	
	Total thickness	6.9mm ± 10%	
	Pile height	3.9mm ± 0.5mm	
	Collection size	13 colourways. 4m <sup>2</sup> 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	219,480 per m <sup>2</sup> ± 10%	
	Pile weight (after shearing)	740gsm ± 10%	
	Total weight	4,255gsm ± 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	≥ 6
	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	Helix carpet tiles have over 50% recycled content by weight	
	Indoor Air Quality	Helix carpet tiles products comply to 01350 Indoor Air Quality Standard	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor	
	Ska Rating	Helix meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes	
	Guarantee	Helix 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	Quarter turn or tessellated	
 EN 14041			
Tessera Helix carpet tiles meet the requirements of 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 - Helix

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

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 Helix is 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.

