

Technical specifications

Tessera carpet tiles meet the requirements of EN 1307

tessera® struktur 1

	Description	Microtuft carpet tile
	Dimensions	EN 994 50cm x 50cm
	Total thickness	ISO 1765 5.1mm
	Pile height	ISO 1766 1.0mm
	Collection size	18 colourways, 5m ² per box
	Commercial use	EN ISO 10874 Class 33, Suitable for any type of heavy contract application
	Pile composition	100% polyamide 6
	Dye method	100% solution dyed
	Stitch density	ISO 1763 126,080 per m ²
	Pile weight	ISO 8543 350 gsm
	Total weight	ISO 8543 3,765 gsm
	Primary backing	Polyester
	Secondary backing	ProBac recycled mineral filler with low amount of modified bitumen and polyester fleece. Contains over 76% recycled content.
	Acoustic	ISO 717-2 Impact sound $\Delta L_{WV} = 17$ dB
		ISO 354 Sound absorption = 0.15 (H)
	Castor chair use	ISO 4918 $r \geq 2.4$ continuous use
	Light fastness	EN ISO 105-B02 ≥ 6
	Dimensional stability	EN 986 $\leq 0.2\%$
	Creating Better Environments	
	Renewable Energy	All Tessera carpet tiles are manufactured using 100% renewable energy (electricity & biogas)
	Recycled Content	Struktur 1 carpet tiles contain 65% recycled content by weight
	Indoor air quality	Struktur 1 carpet tiles products comply to 01350 Indoor Air Quality Standard
	Back to the Floor	Installation off cuts can be collected via Back to the Floor
	Ska rating	Struktur 1 meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes
	Installation method	Quarter turn (Monolithic installation is at the discretion of the user, but non-visible joins are not guaranteed)

Struktur 1 carpet tiles meet the requirements of EN 14041:2004

	Product code	EN 14041:2004	1170100-DoP-101
	Reaction to fire	EN 13501-1	C_{fl-s1} , G, NCS
	Slip resistance	EN 13893	$\mu \geq 0.30$
	Body voltage	ISO 6356	< 2.0kV
	Thermal resistance	EN 12524	0.055 m ² .K/W

Recommended adhesives: For the latest installation instructions and recommended adhesives please visit www.forbo-flooring.co.uk/installation

All Forbo Flooring Systems' sales organisations worldwide have a certified Quality Management System in accordance with ISO 9001.

All Forbo Flooring Systems' manufacturing operations have a certified Environmental Management System 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 all of our websites.

Tessera is manufactured in a facility certified to SA8000 and ISO 45001.



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