Technical specifications

Tessera Struktur 2 Linear and Struktur 1 meet the requirements of EN 1307

		Struktur 2 Linear	Struktur 1
Description		Microtuft carpet tile	Microtuft carpet tile
Tile size	EN 994	50 cm x 50 cm	50 cm x 50 cm
Total thickness	ISO 1765	5.1 mm	5.1 mm
Pile height	ISO 1766	1.00 mm	1.00 mm
Collection size		6	6 (18 in full collection)
Packaging per carton tiles		20 (5 m^2)	20 (5 m^2)
Commercial use	EN ISO 10874	Class 33	Class 33
Pile composition		100% polyamide 6	100% polyamide 6
Dye method		100% solution dyed	100% solution dyed
Stitch density	ISO 1763	126,080 per m^2	126,080 per m^2
Pile weight	ISO 8543	350 g/m^2	350 g/m^2
Total weight	ISO 8543	3765 g/m^2	3765 g/m^2
Primary backing		Polyester	Polyester
Secondary backing		ProBac™: modified bitumen and polyester fleece. Contains over 76% recycled content	
Alternative available secondary backing		Not available	Not available
Acoustical impact noise reduction	ISO 717-2	17 dB	17 dB
Acoustical sound absorption	ISO 354	αw = 0.15 (H)	αw = 0.15 (H)
Castor chair continuous use	ISO 4918	r ≥ 2.4	r ≥ 2.4
Colour fastness to light	EN ISO 105-B02	≥6	≥6
Dimensional stability	EN 986	≤ 0.2 %	≤ 0.2 %
Indoor air emissions: TVOC after 28 days	EN 16516	≤ 0.1 mg/m^3	≤ 0.1 mg/m^3
Creating Better Environments			
Renewable Energy		All Tessera tufted carpet tiles are manufactured using 100% renewable energy (electricity & biogas)	
Recycled Content		Struktur 2 Linear and Struktur 1 carpet tiles contain 65% recycled content by weight	
Indoor Air Quality		Struktur 2 Linear and Struktur 1 carpet tiles comply to 01350 Indoor Air Quality Standard	
Ska Rating		Struktur 2 Linear and Struktur 1 meet Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes	
Installation method		Monolithic, quarter turn, half drop or brick	Quarter turn (Monolithic installation is at the discretion of the user, but non-visible joins are not guaranteed)

Struktur 2 Linear and Struktur 1 carpet tiles meet the requirements of EN 14041:2004

Product code	EN 14041:2004	1170100-DOP-109	1170100-DOP-109
Reaction to fire	EN 13501-1	B_{fl}-s1, G, NCS	B_{fl}-s1, G, NCS
Slip resistance	EN 13893	μ ≥ 0.30	μ ≥ 0.30
Body voltage	ISO 6356	≤ 2.0 kV	≤ 2.0 kV
Thermal conductivity	EN 12524	0.06 W/mK	0.06 W/mK

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.
Struktur 2 Linear carpet tiles are manufactured in a facility certified to SA8000® and ISO 45001. 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.

05/2021