

Technical specifications

Tessera carpet tiles meet the requirements of EN 1307

tessera® tranquillity⁺

	Description	Tufted multi-pile height loop carpet tile
	Tile size	EN ISO 24342:2018 50 cm x 50 cm
	Total thickness	ISO 1765 6.7 mm
	Pile height	ISO 1766 3.4 mm
	Collection size	12 colourways
	Packaging per carton of tiles	16 (4 m ²)
	Commercial use	EN ISO 10874 Class 33
	Pile composition	100% ECONYL® regenerated polyamide 6
	Dye method	100% solution dyed
	Stitch density	ISO 1763 212,544 per m ²
	Pile weight	ISO 8543 580 g/m ²
	Total weight	ISO 8543 4120 g/m ²
	Primary backing	Polyester
	Secondary backing	ProBac™ recycled mineral filler with low amount of modified bitumen and polyester fleece
	Alternative available secondary backing	SOFTbac®
	Acoustical impact noise reduction	ISO 10140-3 24 dB
	Acoustical sound absorption	ISO 354 α _w = 0.20 (H)
	Castor chair continuous use	ISO 4918 r ≥ 2.4
	Colour fastness to light	EN ISO 105-B02 ≥ 6
	Indoor air emissions: TVOC after 28 days	EN 16516 ≤ 0.1 mg/m ³
	Dimensional stability	EN 986 ≤ 0.2%
	Creating Better Environments	
	Renewable Energy	All Tessera tufted carpet tiles are manufactured using 100% renewable energy (electricity & biogas)
	Recycled Content	Tranquillity carpet tiles contain 76% recycled content by weight
	Indoor Air Quality	Tranquillity carpet tiles achieve Indoor Air Comfort Gold 8.0 (2023)
	Back to the Floor	Installation off cuts can be collected via Back to the Floor
	Ska Rating	Tranquillity carpet tiles meet Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes
	Prodis-GUT	www.pro-dis.info Tranquillity carpet tiles meet the test criteria of GUT
	Installation method	Monolithic

Tranquillity carpet tiles meet the requirements of EN 14041:2004 and BS EN 14041:2004

	Product code	EN 14041:2004 1170100-DOP-109
	Product code	BS EN 14041:2004 1170100-DOP-GB109
	Reaction to fire	EN 13501-1 B _{f1} s1
	Slip resistance	EN 13893 μ ≥ 0.30
	Body voltage	ISO 6356 < 2.0 kV
	Thermal conductivity	EN 12524 0.06 W/mK

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.



Whilst Forbo Flooring UK Limited does its best to ensure that the contents of this specification are correct and accurate at the time of publication, to the fullest extent permitted by law, Forbo Flooring UK Limited makes no, and expressly disclaims all, guarantees of any kind, expressed or implied in respect of the information, content, materials or products displayed in this specification and does not represent that the information is accurate, complete or current.



For more information:

e: info.flooring.uk@forbo.com

t: **0800 0282 162**

w: forbo-flooring.co.uk/tranquillity



FLOORING SYSTEMS

creating better environments