

Technical specifications synergy collection

Allura Flex meets the requirements of EN-ISO 10581 - Type 1
Tessera is measured according to EN-ISO 1307

		Allura Flex	Tessera Seagrass	Tessera Hybrid	Tessera Marble	Tessera Clarity
Description		Loose lay luxury vinyl tiles	Tufted Multi-pile Height Loop carpet tile	Tufted Multi-pile Height Loop carpet tile	Tufted Multi-pile Height Loop carpet tile	Fusion Bonded Cut Pile Carpet Tile
Total thickness	EN-ISO 24346	5.00 mm	6.6 mm ± 10%	7.1 mm ± 10%	6.6 mm ± 10%	8.7 mm ± 10%
Thickness of wearlayer	EN-ISO 24340	1.00 mm	n/a	n/a	n/a	n/a
Pile height		n/a	3.8 mm ± 0.5 mm	4.0 mm ± 0.5 mm	3.0 mm ± 0.5 mm	5.1 mm ± 0.5 mm
Collection size		12	4	4	4	9
Wear classification	EN-ISO 1307 EN-ISO 10874: Commercial very heavy Light Industrial general	n/a	Class 34 Class 43	Class 33	n/a	Class 32
Tile size	EN-ISO 24342	50x50 cm 75x50 cm	n/a	75x50 cm	50x50 cm	50x50 cm
Plank size	EN-ISO 24342	100x20 cm	100x20 cm	n/a	n/a	n/a
Squareness and straightness	EN-ISO 24342	≤ 400 mm: ≤ 0.25 mm ≥ 400 mm: ≥ 0.35 mm	n/a	n/a	n/a	n/a
Dimensional stability	EN-ISO 23999 / EN986	≤ 0.05%	≤ 0.2%	≤ 0.4%	≤ 0.2%	≤ 0.1%
Pile composition		n/a	100% Antron Lumena Polyamide 6.6			100% Polyamide 6.6
Dye method		n/a	100% Solution Dyed			Hank Dyed
Tuft density		n/a	212,760 per m ² ± 10%	208,032 per m ² ± 10%	236,400 per m ² ± 10%	204,000 per m ² ± 10%
Pile weight		n/a	752 gr/m ² ± 10%	978 gr/m ² ± 10%	875 gr/m ² ± 10%	712 gr/m ² ± 10%
Total weight	EN-ISO 23997	ca. 6.550 gr/m ²	4.267 gr/m ² ± 10%	4.493 gr/m ² ± 10%	4.390 gr/m ² ± 10%	2.400 gr/m ² ± 10%
Backing		n/a	Primary backing: Polyester/polyamide Secondary backing: Modified bitumen and polyester fleece			100% Recycled polyester softback
Packaging per carton: tiles or planks		50x50cm: 2.5 m ² = 10 pcs 75x50cm: 2.25 m ² = 6 pcs 100x20cm: 2.0 m ² = 10 pcs	100x20cm: 3 m ² = 15 pcs	75x50cm: 4.5 m ² = 12 pcs	50x50cm: 4 m ² = 16 pcs	50x50cm: 4.5 m ² = 18 pcs
Abrasion resistance	EN 660-2	GroupT	n/a			
Slip resistance	DIN 51130 / EN 13893	R10	DS: ≥ 0.3			
Acoustical impact noise reduction	EN-ISO 717-2 / ISO 10140-3	14 dB	28 dB	26 dB	29 dB	28 dB
Castor chair continuous use	EN 425 / EN 985	No effect	Minimum R value: ≥ 2.4			
Indentation residual	ISO 24343-1 / EN 433	≤ 0.12 mm	n/a			
Light fastness	EN-ISO 105-B02	≥ 6	≥ 5			
Resistance to chemicals	EN-ISO 26987	Very good	n/a			
Heat resistant	EN 12664	0.02 m ² K/W	n/a			
Heat dissipation	DIN 52614	W1:37 / W10:230	n/a			
Environmental		Allura Flex is manufactured using 100% green energy	All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources			Clarity carpet tiles contain 12.5% recycled content by weight
		Allura Flex contains 22% recycled content by weight	Seagrass, Hybrid & Marble carpet tiles contain over 50% recycled content by weight			n/a
			Allura Flex, Tessera Seagrass, Hybrid and Marble meet 01350 Indoor Air Quality standard			
			Manufacturing plant has certified Environmental Management Systems in accordance with ISO 14001			
Installation method		random	Half drop Herringbone	Monolithic Half drop Brick	Monolithic Quarter turn Tessellated	Monolithic Quarter turn Tessellated
Allura Flex and Tessera meet the requirements of EN 14041		EN 14041 CE 0200 131 DOP 507	EN 14041 CE 117 0100 DOP 306	EN 14041 CE 117 0100 DOP 306	EN 14041 CE 117 0100 DOP 306	EN 14041 CE 117 020 DOP 306
Reaction to fire	EN 13501-1	B _s 1	B _s 1	B _s 1	B _s 1	C _s 1
Slip resistance	EN 13893	DS: ≥ 0.3	DS: ≥ 0.3	DS: ≥ 0.3	DS: ≥ 0.3	DS: ≥ 0.3
Thermal conductivity	EN 12524	0.25 W (m.K)	0.06 W (m.K)			
Electrical resistance	EN 1815 / EN-ISO 10965	Body voltage: Pass < 2.0 kV	Body voltage: Pass < 2.0 kV < 1 x 10 ⁹ : Static dissipative			

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 (EPDs) which can be found on all of our websites.

