



















# Technical specifications

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

**synergy**

	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	n/a	Class 33			Class 32
EN-ISO 10874: Commercial very heavy Light industrial general	Class 34 Class 43		n/a		
 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	
Squareness and straightness EN-ISO 24342	≤ 400 mm: ≤ 0.25 mm ≥ 400 mm: ≥ 0.35 mm	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 m² ± 10%	208,032 per m² ± 10%	236,400 per m² ± 10%	204,000 per m² ± 10%
Pile weight	n/a	752 gr/m² ± 10%	978 gr/m² ± 10%	875 gr/m² ± 10%	712 gr/m² ± 10%
 Total weight EN-ISO 23997	ca. 6,550 gr/m²	4,267 gr/m² ± 10%	4,493 gr/m² ± 10%	4,390 gr/m² ± 10%	2,400 gr/m² ± 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 m² = 10 pcs 75x50cm: 2.25 m² = 6 pcs 100x20cm: 2.0 m² = 10 pcs	100x20cm: 3 m² = 15 pcs	75x50cm: 4.5 m² = 12 pcs	50x50cm: 4 m² = 16 pcs	50x50cm: 4.5 m² = 18 pcs
 Abrasion resistance EN 660-2	Group T	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 m² K/W	n/a			
Heat dissipation DIN 52614	W1:37 / W10:230	n/a			
Environmental	All Synergy products are manufactured using 100% electricity made from renewable sources				
	Allura Flex contains 22% recycled content by weight	Seagrass, Hybrid & Marble carpet tiles contain over 50% recycled content by weight			Clarity carpet tiles contain 12.5% recycled content by weight
	Allura Flex, Tessera Seagrass, Hybrid and Marble meet 01350 Indoor Air Quality standard				n/a
	Manufacturing plants has certified Environmental Management Systems in accordance with ISO 14001				
Guarantee	10 years under heavy contract conditions				7 years under general contract conditions
	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	random	Half drop or Herringbone	Monolithic, Half drop or Brick	Monolithic, Quarter turn or Tesselated	Monolithic, Quarter turn or Tesselated
Allura Flex and Tessera meet the requirements of EN 14041					
 Reaction to fire EN 13501-1	B <sub>s</sub> s1	B <sub>s</sub> s1	B <sub>s</sub> s1	B <sub>s</sub> s1	C <sub>s</sub> s1
 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)	n/a			
 Electrical resistance EN 1815 / EN-ISO 10965	Body voltage: Pass < 2.0 kV	Body voltage: Pass < 2.0 kV <1 x 10 <sup>9</sup> : Static dissipative			

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