Technical specifications

Allura Puzzle meet the requirements of EN ISO 10582 /
Allura Flex meet the requirements of EN 651.

allura® luxury vinyl tile & plank

		Allura Flex FL5	Allura Flex FL1	Allura Puzzle
Total thickness	EN-ISO 24346	4.00 mm	5.00 mm	5.00 mm
Wear-layer thickness	EN-ISO 24340	1.00 mm	0.55 mm	0.70 mm
Domestic use	EN- ISO 10874	23	23	23
Commercial/light industrial use	EN-ISO 10874	33/42	34/42	34/43
Squareness and straightness	EN-ISO 24342	< 400 mm < 0.25 mm / > 400 mm < 0.35 mm	< 400 mm < 0.25 mm / > 400 mm < 0.35 mm	< 400 mm < 0.25 mm / > 400 mm < 0.35 mm
Tile size	EN-ISO 24342	50 x 50 cm	50 x 50 cm	96 cm x 96 cm
Plank size	EN-ISO 24342	100 x 20 cm / 120 x 20 cm 150 x 28 cm / HP 120 x 20 cm	100 x 20 cm / 120 x 20 cm 150 x 28 cm / HP 120 x 20 cm	–
Packaging per carton tiles		3.25 m^2 (13 pcs)	2.50 m^2 (10 pcs)	–
Packaging per carton planks		2.60 m^2 (13 pcs) / 3.12 m^2 (13 pcs) / 3.78 m^2 (9 pcs) / 3.00 m^2 (15 pcs)	2.00 m^2 (10 pcs) / 2.40 m^2 (10 pcs) / 2.94 m^2 (7 pcs) / 2.40 m^2 (12 pcs)	–
Total weight	EN-ISO 23997	ca. 5200 g/m^2	ca. 6550 g/m^2	ca. 7900 g/m^2
Wear layer binder content	EN-ISO 10582	Type 1	Type 1	Type 1
Castor chair continuous use	ISO 4918	Very good	Superior	Superior
Acoustical impact noise reduction	EN ISO 717-2	13 dB**	14 dB**	7 dB
Residual indentation *Typical value*	ISO 24343-1	≤ 0.20 mm *~ 0.11 mm*	≤ 0.20 mm *~ 0.11 mm*	≤ 0.10 mm *~ 0.05 mm*
Light fastness	ISO 105-B02	≥ 6	≥ 6	≥ 6
Resistance to chemicals	EN-ISO 26987	Very good	Very good	Very good
Dimension stability (after exp. to heat)	EN-ISO 23999	≤ 0.05%	≤ 0.05%	≤ 0.05%
Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.		
Creating better environments				
Renewable electricity		Allura is manufactured using 100% electricity from renewable sources.		
Recycled content		Allura contains up to 60% recycled content in the backing.		

Allura meets the requirements of EN 14041

DoP		0200131-DoP-507	0200131-DoP-507	0200134-DoP-909
Reaction to fire	ISO 9239.1	CRF: 7.3 kW/m^2 Smoke: 367%.min	CRF: 6.7 kW/m^2 Smoke: 426%.min	CRF: 8.8 kW/m^2 Smoke: 251%.min
Slip resistance	AS/NZS 4586	R10*	R10*	R10*
Thermal conductivity	EN 12524	0.25 W/mK	0.25 W/mK	0.25 W/mK
Body voltage	EN 1815	< 2 kV	< 2 kV	< 2 kV

*Slip test result achieved in an independent laboratory on new sample. On-site testing is variable and may not guarantee the same result. For sustainable slip a particle based floor must be used.
**L'NT,W acoustic test results are available upon request.

Recommended adhesives: For the latest installation instructions and recommended adhesives please visit **www.forbo-flooring.com.au/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.
Allura is manufactured in a facility certified to SA8000 and ISO 45001.

CERTIFIED ISO 9001

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