

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 0.55 mm	1.00 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 (EPDs) which can be found on all of our websites.

Allura is manufactured in a facility certified to SA8000 and ISO 45001.



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