



# Technical specifications

Allura, Allura Click Pro, Allura Ease and Allura Puzzle meet the requirements of EN ISO 10582 / Allura Flex meet the requirements of EN 651.

		Allura 0.70	Allura 0.55	Allura Flex 1.00	Allura Flex 0.55	Allura Click Pro	Allura Ease	Allura Puzzle
	Total thickness	EN-ISO 24346	2.5 mm	2.2 mm	5 mm	4 mm	5 mm	5 mm
	Wear layer thickness	EN-ISO 24340	0.70 mm	0.55 mm	1 mm	0.55 mm	0.70 mm	0.70 mm
	Collection size		127	127	66	66	51	18
	Domestic use	EN-ISO 10874	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23
	Commercial use	EN-ISO 10874	Class 34	Class 33	Class 34	Class 33	Class 33	Class 34
	Light industrial use	EN-ISO 10874	Class 43	Class 42	Class 42	Class 42	Class 41	Class 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	< 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
	Total weight	ISO 23997	3600 g/m <sup>2</sup>	3150 g/m <sup>2</sup>	6550 g/m <sup>2</sup>	5200 g/m <sup>2</sup>	8300 g/m <sup>2</sup>	7900 g/m <sup>2</sup>
	Wearlayer binder content	EN-ISO 10582	Type 1	Type 1	Type 1	Type 1	Type 1	Type 1
	Castor chair continuous use	ISO 4918	Pass	Pass	Pass	Pass	Pass	Pass
	Slip resistance (ramp test)	DIN 51130	R10	R10	R10	R10	R10	R10
	Acoustical impact noise reduction	EN-ISO 717-2	6 dB	6 dB	14 dB	14 dB	7 dB / 15 dB in combination with Forbo underlay	7 dB
	Residual indentation Typical value	EN-ISO 24343-1	≤ 0.10 mm ~ 0.04 mm	≤ 0.10 mm ~ 0.04 mm	≤ 0.20 mm ~ 0.11 mm	≤ 0.20 mm ~ 0.11 mm	≤ 0.10 mm ~ 0.05 mm	≤ 0.10 mm ~ 0.05 mm
	Colour fastness to light	EN ISO 105-B02 method 3	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
	Resistance to chemicals	EN-ISO 26987	Very good	Very good	Very good	Very good	Very good	Very good
	Dimension stability	EN-ISO 23999	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%
	Indoor Air Emissions: TVOC after 28 days	EN 16516	≤ 0.01 mg/m <sup>3</sup>	≤ 0.01 mg/m <sup>3</sup>	≤ 0.02 mg/m <sup>3</sup>	≤ 0.02 mg/m <sup>3</sup>	≤ 0.02 mg/m <sup>3</sup>	≤ 0.02 mg/m <sup>3</sup>
	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 14041:2004		EN 14041:2004 CE 0200130-DoP-105	EN 14041:2004 CE 0200130-DoP-105	EN 14041:2004 CE 0200131-DoP-105	EN 14041:2004 CE 0200131-DoP-105	EN 14041:2004 CE 0200132-DoP-105	EN 14041:2004 CE 0200133-DoP-909
	Reaction to fire	EN 13501-1	B <sub>s</sub> -s1,G,NCS	B <sub>s</sub> -s1,G,NCS	B <sub>s</sub> -s1,L,NCS	B <sub>s</sub> -s1,L,NCS	B <sub>s</sub> -s1,L,NCS with and without Forbo underlay	B <sub>s</sub> -s1,L,NCS
	Slip resistance	EN 13893	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30
	Thermal conductivity	EN 12524	0.25 W/mK	0.25 W/mK	0.25 W/mK	0.25 W/mK	0.25 W/mK	0.25 W/mK
	Body voltage	EN 1815	≤ 2.0 kV	≤ 2.0 kV	≤ 2.0 kV	< 2.0 kV	≤ 2.0 kV	≤ 2.0 kV

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.

