

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 1.0	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
	Wearlayer thickness	EN-ISO 24340	0.70 mm	0.55 mm	1 mm	0.55 mm	0.55 mm	0.70 mm
	Collection size		127	127	66	66	51	18
	Domestic use	EN-ISO 10874	23	23	23	23	23	23
	Commercial / light industrial use	EN-ISO 10874	34 / 43	33 / 42	34 / 42	33 / 42	33 / 41	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	< 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	ca. 3600 gr/m ²	ca. 3150 gr/m ²	ca. 6550 gr/m ²	ca. 5200 gr/m ²	ca. 8300 gr/m ²	ca. 7900 gr/m ²
	Wearlayer binder content	EN-ISO 10582	Type 1	Type 1	Type 1	Type 1	Type 1	Type 1
	Castor chair continuous use	ISO 4918	superior	very good	superior	very good	very good	superior
	Slip resistance	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 <i>Typical value</i>	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
	Light fastness	ISO 105-B02	≥ 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 (after exp. to heat)	EN-ISO 23999	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%
	Indoor Air Emissions: TVOC after 28 days	ISO 16516	≤ 10 µg/m ³	≤ 10 µg/m ³	≤ 20 µg/m ³	≤ 20 µg/m ³	≤ 20 µg/m ³	≤ 20 µg/m ³
	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	EN 14041 CE 0200130-DoP-306	EN 14041 CE 0200130-DoP-306	EN 14041 CE 0200131-DoP-507	EN 14041 CE 0200131-DoP-507	EN 14041 CE 0200132-DoP-701	EN 14041 CE 0200133-DoP-909	EN 14041 CE 0200134-DoP-909
	Reaction to fire	EN 13501	B _{fl} -s1,G,NCS	B _{fl} -s1,G,NCS	B _{fl} -s1,L,NCS	B _{fl} -s1,L,NCS	B _{fl} -s1,L,NCS with and without Forbo underlay	B _{fl} -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 kV	< 2 kV	< 2 kV	< 2 kV	< 2 kV	< 2 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.

