

# Technical specifications

Allura and Allura Click meet the requirements of EN-ISO 10582 / Allura Flex meets the requirements of EN 651



**COMMITTED TO THE HEALTH OF ONE**

This programme expresses our ambition to design and manufacture floor coverings that benefit every individual by helping to provide safe, hygienic and comfortable living and working environments.

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		Allura 0.70	Allura 0.55	Allura 0.40	Click	Flex
	Total thickness	EN-ISO 24346	2.5 mm	2.5 mm	2 mm	5 mm
	Wearlayer thickness	EN-ISO 24340	0.70 mm	0.55 mm	0.40 mm	0.55 mm
	Total collection size available		112	110	48	38
	Domestic use	EN-ISO 10874	23	23	23	23
	Commercial/flight industrial use	EN-ISO 10874	34/43	33/42	32/41	33
	Tile size	EN-ISO 24342	50 x 50 cm / 75 x 50 cm	50 x 50 cm / 75 x 50 cm	50 x 50 cm	60 x 31.7 cm
	Plank size	EN-ISO 24342	100 x 15 cm / 120 x 20 cm / 150 x 28 cm / 180 x 32 cm	100 x 15 cm / 120 x 20 cm / 150 x 28 cm / 180 x 32 cm	100 x 15 cm / 120 x 20 cm / 150 x 28 cm / 180 x 32 cm	121.2 x 18.7 cm / 150.5 x 23.7 cm
	Packaging per carton tiles		3.0 m <sup>2</sup> (12 pcs) / 3.75 m <sup>2</sup> (10 pcs)	3.0 m <sup>2</sup> (12 pcs) / 3.75 m <sup>2</sup> (10 pcs)	3.0 m <sup>2</sup> (12 pcs)	1.90 m <sup>2</sup> (10 pcs)
	Packaging per carton planks		3.0 m <sup>2</sup> (20 pcs) / 2.9 m <sup>2</sup> (12 pcs) / 4.2 m <sup>2</sup> (10 pcs) / 4.6 m <sup>2</sup> (8 pcs)	3.0 m <sup>2</sup> (20 pcs) / 2.9 m <sup>2</sup> (12 pcs) / 4.2 m <sup>2</sup> (10 pcs) / 4.6 m <sup>2</sup> (8 pcs)	3.0 m <sup>2</sup> (20 pcs) / 2.9 m <sup>2</sup> (12 pcs) / 4.2 m <sup>2</sup> (10 pcs) / 5.76 m <sup>2</sup> (10 pcs)	1.81 m <sup>2</sup> (8 pcs) / 2.14 m <sup>2</sup> (6 pcs)
	Squariness 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
	Total weight	ISO 23997	ca 3600 g/m <sup>2</sup>	ca 3400 g/m <sup>2</sup>	ca 2850 g/m <sup>2</sup>	8300 g/m <sup>2</sup>
	Wearlayer binder content	EN-ISO 10582	Type 1	Type 1	Type 1	Type 1
	Slip resistance	DIN 51130	R10	R10	R10	R10
	Acoustical impact noise reduction	EN ISO 717-2	6 dB	6 dB	5 dB	7 dB / 15 dB in combination with Forbo underlay
	Castor chair continuous use	ISO 4918	Very good	Very good	Very good	Good with and without Forbo underlay
	Residual indentation Typical value	ISO 24343-1	≤ 0.10 mm ~ 0.04 mm	≤ 0.10 mm ~ 0.04 mm	≤ 0.10 mm ~ 0.05 mm	≤ 0.10 mm ~ 0.11 mm
	Light fastness	ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6
	Resistance to chemicals	EN-ISO 26987	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%
	Creating better environments					
	Renewable Electricity		Allura is manufactured using 100% electricity made from renewable sources.			
	Emissions into air: TVOC* at 28 days	NF EN ISO 16000 9 (ISO 10580)	≤ 100 µg/m <sup>3</sup>	≤ 100 µg/m <sup>3</sup>	≤ 100 µg/m <sup>3</sup>	≤ 110 µg/m <sup>3</sup>
	Back to the Floor		Installation off cuts can be collected and recycled via Back to the Floor (excluding click).			
	Ska		Allura 0.70/0.55/0.40/Flex meets the Ska rating Scheme 1D, M12 soft floor coverings, in office, retail and higher education.			
	Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.			
			EN 14041 	EN 14041 	EN 14041 	EN 14041 
	Allura meets the requirements of EN 14041		0200130-DeP-306	0200130-DeP-306	0200130-DeP-306	0200132-DeP_701
	Reaction to fire	EN 13501	B <sub>s</sub> -s1	B <sub>s</sub> -s1	B <sub>s</sub> -s1	B <sub>s</sub> -s1 with and without Forbo underlay
	Slip resistance	EN 13893	DS - µ > 0.30	DS - µ > 0.30	DS - µ > 0.30	DS - µ > 0.30
	Thermal conductivity	EN 12524	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

Recommended Adhesives: For the latest installation instructions and recommended adhesives go to [www.forbo-flooring.co.uk/cleaningandmaintenance](http://www.forbo-flooring.co.uk/cleaningandmaintenance)

## BREEAM ratings (generic)

### Allura

Building Type	Commercial	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)
A	A+	A+	A	A	A	A+



All Forbo Flooring Systems' sales organisations and manufacturing sites worldwide have certified Quality Management Systems in accordance with ISO 9001. All Forbo Flooring Systems' manufacturing plants have certified Environmental Management Systems in accordance with ISO 14001. Allura is manufactured in a facility certified to SA8000\* and OHSAS 18001. The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental product declarations (EPDs) or local building rating schemes such as BREEAM.

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