

Technical specifications

Sphera meets the requirements of EN ISO 105821

		Sphera Element	Sphera Energetic	Sphera Elite	Sphera Essence
	Total thickness	EN ISO 24346	2.0 mm	2.0 mm	2.0 mm
	Surface finish		SMART top	SMART top	SMART top
	Binder content	EN ISO 10581	Type 1	Type 1	Type 1
	Collection size		52	42	18
	Domestic use	EN ISO 10874	Class 23	Class 23	Class 23
	Commercial use	EN ISO 10874	Class 34	Class 34	Class 34
	Light industrial	EN ISO 10874	Class 43	Class 43	Class 43
	Roll width	EN ISO 24341	2.0 m	2.0 m	2.0 m
	Roll length	EN ISO 24341	≤ 27 m	≤ 27 m	≤ 27 m
	Total weight	EN ISO 23997	2900 g/m ²	2850 g/m ²	2700 g/m ²
	Dimension stability <i>Typical value</i>	EN ISO 23999	≤ 0.4 % ~ 0.2%	≤ 0.4 % ~ 0.2%	≤ 0.4 % ~ 0.2%
	Residual indentation <i>Typical value</i>	EN ISO 24343-1	≤ 0.10 mm ~ 0.03 mm	≤ 0.10 mm ~ 0.03 mm	≤ 0.10 mm ~ 0.03 mm
	Castor chair continuous use	ISO 4918	Pass	Pass	Pass
	Colour fastness to light (method 3)	ISO 105-B02	≥ 7	≥ 7	≥ 7
	Indoor air emissions: TVOC after 28 days	ISO 16516	≤ 0.01 mg/m ³	≤ 0.01 mg/m ³	≤ 0.01 mg/m ³
	Resistance to chemicals	EN ISO 26987	Very good	Very good	Very good
	Flexibility	EN ISO 24344	ø 10 mm	ø 10 mm	ø 10 mm
	Use in wet areas	EN 13553	Yes	Yes	Yes
	Cleanroom particle emission	ISO 14644-1	ISO 4		
	Bacteria resistance	EN ISO 846	Does not support growth		
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact			
	Renewable electricity	Sphera is manufactured using 100% electricity made from renewable sources			
	Social Accountability	Sphera is manufactured in a facility certified to SA8000			
	Environmental	Sphera is GreenTag GreenRate Level A, Best Environmental Practice (BEP) PVC certified and Declare 3rd party verified. Achieves Best Practice Product RPV ≥ 12 score for Green Star Buildings Responsible Products Framework			
	Warranties	10 years or 15 on application with Coral entrance matting system			

Sphera meets the requirements of EN 14041:2004

	DoP	EN 14041	0200301-DoP-605	0200301-DoP-605	0200301-DoP-605	0200301-DoP-605
	Reaction to fire (floors)	AS/ISO 9239.1	CRF: 9.2 kW/m ² Smoke: 136%.min	CRF: 9.2 kW/m ² Smoke: 136%.min	CRF: >4.5 kW/m ² Smoke: <750%.min	CRF: 9.2 kW/m ² Smoke: 136%.min
	Reaction to fire (walls)	AS/NZS 3837	Group 3 (297.8 m ² /kg)	Group 3 (297.8 m ² /kg)	Group 3	Group 3 (297.8 m ² /kg)
	Slip resistance	AS/NZS 4586-2013*	R10	R10	R10	R10
	Thermal conductivity	EN 12524	0.25 W/mK	0.25 W/mK	0.25 W/mK	0.25 W/mK
	Body voltage	EN 1815	≤ 2.0 kV	≤ 2.0 kV	≤ 2.0 kV	≤ 2.0 kV

* Slip test result achieved in an independent laboratory on a new sample. On-site testing is variable and may not guarantee the same result. For sustainable slip, a particle-based floor must be used. Recommended adhesives: For the latest installation instructions 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.



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