

Technical specifications

Sphera meets the requirements of EN ISO 105821

sphera®

		Sphera element	Sphera energetic	Sphera elite	Sphera essence	
	Total Thickness	EN ISO 24346	2.0 mm	2.0 mm	2.0 mm	2.0 mm
	Surface finish		SMART top	SMART top	SMART top	SMART top
	Binder content	EN ISO 10581	type 1	type 1	type 1	type 1
	Collection size		62	42	18	18
	Domestic use	EN ISO 10874	Class 23	Class 23	Class 23	Class 23
	Commercial use	EN ISO 10874	Class 34	Class 34	Class 34	Class 34
	Light industrial	EN ISO 10874	Class 43	Class 43	Class 43	Class 43
	Roll length	EN ISO 24341	≤ 25 m	≤ 27 m	≤ 25 m	≤ 27 m ~ 26 m
	Roll width	EN ISO 24341	2.0 m	2.0 m	2.0 m	2.0 m
	Total weight	EN ISO 23997	2900 g/m ²	2850 g/m ²	2700 g/m ²	2900 g/m ²
	Dimension stability <i>Typical value</i>	EN ISO 23999	≤ 0.4 % ~ 0.2%	≤ 0.4 % ~ 0.2%	≤ 0.4 % ~ 0.2%	≤ 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	≤ 0.10 mm ~ 0.03 mm
	Castor chair continuous use	ISO 4918	Pass	Pass	Pass	Pass
	Colour fastness to light (method 3)	ISO 105-B02	≥ 7	≥ 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	≤ 0.01 mg/m ³
	Resistance to chemicals	EN ISO 26987	Very good	Very good	Very good	Very good
	Flexibility	EN ISO 24344	ø 10 mm	ø 10 mm	ø 10 mm	ø 10 mm
	Use in wet areas	EN 13553	Yes	Yes	Yes	Yes
	Cleanroom particle emission	ISO 14644-1	ISO 4			
	Bacteria resistance	EN 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			
	Indoor air quality		All products are tested for indoor air emissions in accordance with ISO 16000-9 after 3 days and 28 days.			

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	AS NZS 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
	Slip resistance	AS 4586:2013	R10*	R10*	R10*	R10*
	Thermal conductivity	EN 12524	0.25 W/m.K	0.25 W/m.K	0.25 W/m.K	0.25 W/m.K
	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 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 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. Step is manufactured in a facility certified to SA8000 and ISO 45001.



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