



Technical specifications

Sphera meets the requirements of EN ISO 10581

		Sphera Element	Sphera Energetic	Sphera Elite b+
	Total thickness	EN ISO 24346	2.0 mm	2.0 mm
	Surface finish		SMART top	SMART top
	Wear layer binder content	EN ISO 10581	Type 1	Type 1
	Collection size		51	43
	Domestic use	EN ISO 10874	Class 23	Class 23
	Commercial use	EN ISO 10874	Class 34	Class 34
	Light industrial use	EN ISO 10874	Class 43	Class 43
	Roll width	EN ISO 24341	2.0 m	2.0 m
	Roll length	EN ISO 24341	≤ 27 m	≤ 27 m
	Total weight	EN ISO 23997	2900 g/m²	2850 g/m²
	Dimensional stability <i>Typical value</i>	EN ISO 23999	≤ 0.4% ~ 0.2%	≤ 0.4% ~ 0.2%
	Slip resistance (ramp test)	DIN 51130	R9	R9
	Castor chair continuous use	ISO 4918	Pass	Pass
	Residual indentation <i>Typical value</i>	EN ISO 24343-1	≤ 0.10 mm ~ 0.03 mm	≤ 0.10 mm ~ 0.03 mm
	Colour fastness to light	EN ISO 105 B-02 method 3	≥ 7	≥ 7
	Indoor air emissions: TVOC after 28 days	ISO 16516	≤ 0.01 mg/m³	≤ 0.01 mg/m³
	Resistance to chemicals	EN ISO 26987	Very good	Very good
	Flexibility	EN ISO 24344	Ø 10 mm	Ø 10 mm
	Use in wet areas	EN 13553	Yes	Yes
	Bacteria resistance	EN ISO 846	Does not support growth	
	Cleanroom particle emission	ISO 14644-1	ISO 5	-
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact		
	Creating better environments			
	Renewable electricity	Sphera is manufactured using 100% electricity from renewable sources		
	Recycled content	EN 17861	34%	43%
	Bio-circular content (mass balance)	EN 17861	-	23%

Sphera meets the requirements of EN 14041:2004

		0200301-DOP-605	0200301-DOP-605	0200301-DOP-605
	Reaction to fire	EN 13501-1	B _{f1} -s1, G, CS	B _{f1} -s1, G, CS
	Slip resistance	EN 13893	μ ≥ 0.30	μ ≥ 0.30
	Thermal conductivity	EN 12524	0.25 W/mK	0.25 W/mK
	Body voltage	EN 1815	≤ 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.



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