



# 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/m <sup>2</sup>	2850 g/m <sup>2</sup>
	Dimensional stability	EN ISO 23999	≤ 0.4%	≤ 0.4%
	Typical value		~ 0.2%	~ 0.2%
	Slip resistance (ramp test)	DIN 51130	R9	R9
	Castor chair continuous use	ISO 4918	Pass	Pass
	Residual indentation	EN ISO 24343-1	≤ 0.10 mm	≤ 0.10 mm
	Typical value		~ 0.03 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/m <sup>3</sup>	≤ 0.01 mg/m <sup>3</sup>
	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	
	Back to the Floor		Installation off cuts can be collected and recycled via Back to the Floor	
	Recycled content	EN 17861	34%	34%
	Bio-circular content (mass balance)	EN 17861	-	23%

Sphera meets the requirements of EN 14041:2004

	Productcode	0200301-DOP-605	0200301-DOP-605	0200301-DOP-605
	Productcode	0200301-DOP-GB605	0200301-DOP-GB605	0200301-DOP-GB605
	Reaction to fire	EN 13501-1	B <sub>fl</sub> -s1, G, CS	B <sub>fl</sub> -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

\*Sphera has been tested to EN 13553 for general product performance only. Sphera is not a safety floor, Surestep products should be used when installed in continuous contaminated areas.

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.

