

# Technical specifications

Sphera meets the requirements of EN-ISO 10581

sphera®

		sphera element	sphera energetic	sphera evolution
	Binder content	EN-ISO 10581	Type 1: binder >55%	Type 1: binder >55%
	Total thickness	EN-ISO 24346	2.0 mm	2.0 mm
	Surface finish		SMART top	SMART top
	Collection size		62	52
	Commercial use	EN-ISO 10874	34 very heavy	34 very heavy
	Light industrial	EN-ISO 10874	43 heavy	43 heavy
	Roll width	EN-ISO 24341	2 m	2 m
	Roll length	EN-ISO 24341	≤ 25 m	≤ 25 m
	Total weight	EN-ISO 23997	2.9 kg/m²	2.9 kg/m²
	Dimension stability	EN-ISO 23999	≤ 0.2%	≤ 0.2%
	Residual indentation Typical value	EN-ISO 24343-1	≤ 0.10 mm ~ 0.03 mm	≤ 0.10 mm ~ 0.03 mm
	Abrasion resistance	EN 660-2	Group T	Group T
	Castor chair continuous use	ISO 4918 / EN 425	Pass	Pass
	Light fastness	ISO 105-B02	≥ 7	≥ 7
	Flexibility	EN-ISO 24344	ø 10 mm	ø 10 mm
	Resistance to chemicals	EN-ISO 26987	Very good	Very good
	Slip resistance	DIN 51130	R9	R9
	Application on underfloor heating		Yes	Yes
	Renewable electricity	Sphera is manufactured using 100% electricity made from renewable sources		
	TVOC after 28 days	ISO 16000-6	≤ 10 µg/m³	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the floor		
	Ska	Sphera meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes		
	Life cycle assessment	LCA is the foundation for securing the lowest environmental impact		

## Sphera meets the requirements of EN 14041

	Reaction to fire	EN 13501-1	B <sub>fl</sub> -s1	B <sub>fl</sub> -s1	B <sub>fl</sub> -s1
	Slip resistance	EN 13893	DS - µ ≥ 0.30	DS - µ ≥ 0.30	DS - µ ≥ 0.30
	Thermal conductivity	EN 12524	0.25 W/m·K	0.25 W/m·K	0.25 W/m·K
	Body voltage	EN 1815	≤ 2 kV	≤ 2 kV	≤ 2 kV

**Recommended adhesives:** For the latest installation instructions and recommended adhesives please visit [www.forbo-flooring.co.uk/installation](http://www.forbo-flooring.co.uk/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.

Sphera is manufactured in a facility certified to SA8000 and OHSAS 18001.



### BREEAM ratings

Sphera – Homogeneous Floor covering (EN 649)

Commercial	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	Meets Ska criteria
A	A+	A+	A	A+	A+	✓

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