



Technical specifications

Sphera Essence meets the requirements of EN ISO 10581

	Total thickness	EN ISO 24346	2.0 mm
	Surface finish		SMART top
	Wear layer binder content	EN ISO 10582	Type 1
	Collection size		18
	Domestic use	EN ISO 10874	Class 23
	Commercial use	EN ISO 10874	Class 34
	Light industrial use	EN ISO 10874	Class 43
	Roll width	EN ISO 24341	2.0 m
	Roll length	EN ISO 24341	≤ 27 m
	Total weight	EN ISO 23997	2800 g/m ²
	Dimensional stability <i>Typical value</i>	EN ISO 23999	≤ 0.4 % ~0.2 %
	Slip resistance (ramp test)	AS 4586	R10 ¹
	Castor chair continuous use	ISO 4918	Pass
	Residual indentation <i>Typical value</i>	EN ISO 24343-1	≤ 0.10 mm ~ 0.03 mm
	Colour fastness to light	EN ISO 105-B02 method 3	≥ 7
	Indoor air emissions: TVOC after 28 days	ISO 16516	≤ 0.01 mg/m ³
	Resistance to chemicals	EN ISO 26987	Very good
	Flexibility	EN ISO 24344	Ø 10 mm
	Use in wet areas	EN 13553	Yes
	Bacteria resistance	EN 846	Does not support growth
	LCA Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact	
	Creating better environments		
	Renewable electricity	Sphera Essence is manufactured using 100% electricity from renewable sources	
	Recycled content (mass)		29%
			EN 14041 CE 0200301-DoP-605
	Sphera Essence meets the requirements of EN 14041		
	Reaction to fire	ISO 9239.1	CRF >4.5 kW/m ² . Smoke <750%.min
	Slip resistance	EN 13893	μ ≥ 0.30
	Thermal conductivity	EN 12524	0.25 W/mK
	Body voltage	EN 1815	≤ 2.0 kV

Recommended adhesive: Forbo F54 water-based adhesive.

¹ 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 should be used.

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.

