
























# Technical specifications

Sphera meets the requirements of EN-ISO 10581

		Sphera element	Sphera energetic	Sphera evolution
	Binder content	EN - ISO 10581	type 1	type 1
	Total Thickness	EN - ISO 24346	2.0 mm	2.0 mm
	Surface finish	SMART top	SMART top	SMART top
	Collection size	62	52	24
	Commercial use	EN - ISO 10874	34 very heavy	34 very heavy
	Light industrial	EN - ISO 10874	43 heavy	43 heavy
	Roll length	EN - ISO 24341	≤ 25 m	≤ 25 m
	Roll width	EN - ISO 24341	2 m	2 m
	Total weight	EN - ISO 23997	2.9 kg/m <sup>2</sup>	2.9 kg/m <sup>2</sup>
	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
	Wet room application	EN 13533	yes	yes
	Light fastness	EN - ISO 105 B-02	≥ 7	≥ 7
	Flexibility	EN - ISO 24344	ø 10mm	ø 10mm
	Slip Resistance	AS 4586 : 2013	R10 P3*	R10 P3*
	Chemical resistance	EN - ISO 26987	very good	very good
	TVOC after 28 days	ISO 16000-6	≤ 10 µg/m <sup>3</sup>	≤ 10 µg/m <sup>3</sup>
	Renewable electricity	Sphera is manufactured using 100% electricity from renewable sources.		
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.		

Sphera meets the requirement of EN 14014



	Reaction to fire	AS/NZS 9239-1	CRF: 9.2 kW/m <sup>2</sup> Smk Dvlp: 136%.min	CRF: 9.2 kW/m <sup>2</sup> Smk Dvlp: 136%.min	CRF: 9.2 kW/m <sup>2</sup> Smk Dvlp: 136%.min
	Slip Resistance	AS 4586 : 2013	R10*	R10*	R10*
	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

\*Slip test result achieved in an independent laboratory on new sample. On-site testing is variable and may not guarantee the same result.  
For true sustainable slip resistance according to EN13845 a particle based product must be used.

Our recommended adhesive for Sphera is 540 Eurosafe Special

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.



## DOWNLOADS:

Sphera element brochure  
Sphera | slip report | AS 4586  
Sphera | fire report | AS 9239-1  
Sphera | fire report (walls) AS 3837

Sphera energetic brochure  
Sphera cleaning & maintenance  
Sphera VOC test report  
Sphera best practice PVC  
10 year commercial warranty form