Technical specifications

Sphera meets the requirements of EN-ISO 10581

		Sphera element	Sphera energetic	Sphera evolution	Sphera essence
Binder content	EN - ISO 10581	type 1	type 1	type 1	type 1
Total Thickness	EN - ISO 24346	2.0 mm	2.0 mm	2.0 mm	2.0 mm
Surface finish		SMART top	SMART top	SMART top	SMART top
Collection size		62	52	24	18
Commercial use	EN- ISO 10874	34 very heavy	34 very heavy	34 very heavy	34 very heavy
Light industrial	EN - ISO 10874	43 heavy	43 heavy	43 heavy	43 heavy
Roll length	EN - ISO 24341	≤ 25 m	≤ 25 m	≤ 25 m	≤ 25 m
Roll width	EN - ISO 24341	2 m	2 m	2 m	2 m
Total weight	EN - ISO 23997	2.9 kg/m²	2.9 kg/m²	2.9 kg/m²	2.9 kg/m²
Dimension stability	EN - ISO 23999	< 0.2 %	< 0.2 %	< 0.2 %	< 0.2 %
Residual indentation Typical value	EN - ISO 24343-1	≤ 0.10 mm -0.03 mm	≤ 0.10 mm -0.03 mm	≤ 0.10 mm -0.03 mm	≤ 0.10 mm -0.03 mm
Abrasion resistance	EN 660-2	group T	group T	group T	group T
Castor chair continuous use	ISO 4918 / EN 425	pass	pass	pass	pass
Wet room application	EN 13533	yes	yes	yes	yes
Light fastness	EN - ISO 105 B-02	≥ 7	≥ 7	≥ 7	≥ 7
Flexibility	EN - ISO 24344	ø 10mm	ø 10mm	ø 10mm	ø 10mm
Chemical resistance	EN - ISO 26987	very good	very good	very good	very good
TVOC after 28 days	ISO 16000-6	≤ 0,001 mg/m3	≤ 0,001 mg/m3	≤ 0,001 mg/m3	≤ 0,001 mg/m3
Renewable electricity		Sphera is manufactured using 100% electricity from renewable sources.			
Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.			

CE
EN 14041

Sphera meets the requirement of EN 14014

		Sphera element	Sphera energetic	Sphera evolution	Sphera essence
Reaction to fire	AS/NZS 9239-1	CRF: 9.2 kW/m² Smk Dvlp: 136%.min	CRF: 9.2 kW/m² Smk Dvlp: 136%.min	CRF: 9.2 kW/m² Smk Dvlp: 136%.min	CRF: 9.2 kW/m² Smk Dvlp: 136%.min
Thermal Conductivity	EN 12524	0.25 W/m.K	0.25 W/m.K	0.25 W/m.K	0.25 W/m.K
Slip Resistance	AS 4586 : 2013	R10*	R10*	R10*	R10*
Body voltage	EN 1815	≤ 2 kV	≤ 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 sustainable slip a particle based floor must be used.
Our recommended Forbo adhesive for Sphera is 540 Eurosafe Special, for more information visit: **www.forbo-flooring.com.au/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.

Downloads

- SPHERA FIRE REPORT
- SPHERA FIRE REPORT (WALLS)
- SPHERA SLIP REPORT
- SPHERA FLOOR CARE
- SPHERA INSTALLATION
- SPHERA GREENTAG
- SPHERA VOC REPORT
- SPHERA WARRANTY PACK

For more information contact your Forbo representative or call 1800 224 471.

creating better environments

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FLOORING SYSTEMS