

Technical specifications

Marmoleum FR

Meets the requirements of	EN-ISO 24011	
 Total thickness	EN ISO 24346	2.5 mm
Surface finish	Topshield pro	
 Collection size	6	
 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	$\leq 33 \text{ m}^1$
 Total weight	EN ISO 23997	2900 g/m ²
 Slip resistance (ramp test)	DIN EN 16165 Annex B	R9
 Castor chair continuous use	ISO 4918	Pass
 Residual indentation <i>Typical value</i>	EN ISO 24343-1	$\leq 0.15 \text{ mm}$ $\sim 0.08 \text{ mm}$
 Colour fastness to light	EN ISO 105-B02 method 3	≥ 6
 Indoor air emissions: TVOC after 28 days	EN 16516	$\leq 0.01 \text{ mg/m}^3$
 Bacteriostatic properties*	Marmoleum has natural bacteriostatic properties which are confirmed by independent laboratories, even against MRSA bacteria.	
 Resistance to chemicals	EN ISO 26987	Resistant to diluted acids, oils, fats and to the conventional solvents. Not resistant to prolonged exposure to alkalis.
 Cigarette resistance	EN 1399	There is no melting of the surface by cigarettes.
 Flexibility	EN-ISO 24344	$\varnothing 40 \text{ mm}$
 Acoustical impact noise reduction	EN ISO 717-2	$\leq 5 \text{ dB}$
 Creating better environments	Life Cycle Assessment is the foundation for securing the lowest environmental impact. The Marmoleum portfolio is climate positive cradle to gate without offsetting.	
Natural materials	Marmoleum FR is a bio-based floor made with up to 70% natural ingredients (e.g. linseed oil, rosin, wood flour and jute). Marmoleum contains PEFC certified wood flour.	
	Marmoleum is free of PVC, PET, synthetic rubber and plasticizers.	
 Recycled content	Marmoleum contains ingredients derived from recycled sources, which are a combination of post-industrial, post-installation and post-consumer streams of both flooring and non-flooring Marmoleum products.	
	Marmoleum sheet installation off-cuts and post-consumer used flooring are recyclable.	
Health and safety	Marmoleum is REACH compliant to assure human safety and health.	
Renewable electricity	Marmoleum is manufactured using 100% electricity from renewable sources.	
 Green building certifications	Application of Marmoleum sheet can help maximise contribution in green building certifications e.g. LEED, BREEAM, DGNB and WELL.	
 Application for underfloor heating	yes	
Marmoleum meets the requirements of EN 14041:2004		
 Product code	0100211-DoP-208	
 Reaction to fire	EN 13501-1	B _{fl} -s1, G, NCS
 Slip resistance	EN 13893	$\mu \geq 0.30$
 Body voltage	EN 1815	$\leq 2.0 \text{ kV}$
 Thermal conductivity	EN 12524	0.17 W/mK

* Marmoleum sheet can be installed net fit, or with a welding rod in the seam. Both are proven hygienic solutions.

All Forbo Flooring Systems' manufacturing operations 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.
Marmoleum is manufactured at an SA8000[®]-certified organisation.

