

## Technical specifications

Marmoleum soul

Meets the requirements of		EN-ISO 24011*
	Total thickness	EN ISO 24346 2.5 mm
	Surface finish	Topshield pro
	Collection size	5
	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 ≤ 33 m <sup>1</sup>
	Total weight	EN ISO 23997 2900 g/m <sup>2</sup>
	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 ≤ 0.15 mm ~ 0.08 mm
	Colour fastness to light*	EN ISO 105-B02 method 3 ≥ 6 (0001 origin ≥ 4)*
	Indoor air emissions: TVOC after 28 days	EN 16516 ≤ 0.01 mg/m <sup>3</sup>
	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. Marks left on Marmoleum as a result of stubbed-out cigarettes can be removed.
	Flexibility	EN-ISO 24344 ø 40 mm
	Acoustical impact noise reduction	EN ISO 717-2 ≤ 5 dB
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.
	<b>Creating better environments</b>	Marmoleum is climate positive cradle to gate***
	Natural materials	Marmoleum soul is a bio-based floor made with up to 99 % 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		
	DoP	0100201-DoP-107
	Reaction to fire	EN 13501-1 C <sub>fl</sub> -s1, G, CS
	Slip resistance	EN 13893 μ ≥ 0.30
	Body voltage	EN 1815 ≤ 2.0 kV
	Thermal conductivity	EN 12524 0.17 W/mK



\* Marmoleum soul is a natural flooring material containing minimal to no added pigments. As a result, variations in colour shade and structure between production batches may be more pronounced than in other Marmoleum products. In addition, exposure to light may cause colour changes over time, similar to those observed in natural materials such as wood.

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

\*\*\* For details, please consult the Marmoleum soul EPD.



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. 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. Marmoleum is manufactured at an SA8000® -certified organisation.