



# Technical specifications

Marmoleum meets the requirements of EN-ISO 24011

## Marmoleum 2.0 mm

	Total thickness	EN-ISO 24346	2.0 mm
	Surface finish		Topshield <sup>2</sup>
	Domestic use	EN-ISO 10874	Class 23
	Commercial use	EN-ISO 10874	Class 32
	Light Industrial use	EN-ISO 10874	Class 41
	Collection size		17 Real, 12 Fresco and 3 Concrete colours
	Roll width	EN-ISO 24341	2.00 m
	Roll length	EN-ISO 24341	≤ 33 m
	Total weight <i>Typical value</i>	EN-ISO 23997	2300 g/m <sup>2</sup>
	Residual indentation <i>Typical value</i>	EN-ISO 24343-1	≤ 0.15 mm ~0.07 mm
	Castor chair continuous use	ISO 4918/ EN 425	Suitable for office chairs with castors.
	Light fastness	EN-ISO 105-B02	Method 3: blue scale minimum 6.
	Flexibility	EN-ISO 24344	ø 30 mm
	Resistance to chemicals	EN-ISO 26987	Resistant to diluted acids, oils, fats and to the conventional solvents. Not resistant to prolonged exposure to alkalis.
	Bacteriostatic properties*		Marmoleum has natural bacteriostatic properties which are confirmed by independent laboratories, even against the bacteria MRSA.
	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.
	Slip resistance	DIN 51130	R9
	Acoustic impact sound reduction	EN-ISO 717-2	≤ 4 dB
	LCA Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.
	<b>Creating better environments</b>		
	CO <sub>2</sub> neutral		Marmoleum 2.0 mm is produced CO <sub>2</sub> neutral.**
	renewable electricity		Marmoleum is manufactured using 100% electricity from renewable sources.
			Marmoleum is made of 94-98% natural materials.
	natural materials (e.g. linseed oil, jute, tree resin, wood flour, limestone)		Marmoleum contains PEFC certified wood flour.
			Marmoleum is free of PVC, PET, synthetic rubber and plasticizers.
	recycled content		Marmoleum contains recycled content.
	Application on underfloor heating		yes

## Marmoleum meets the requirements of EN 14041

	Product code	EN 14041	0100201_DoP_306
	Reaction to fire	EN 13501-1	C <sub>s</sub> -s1, G, CS
	Slip resistance	EN 13893	μ ≥ 0.30
	Body voltage	EN 1815	≤ 2 kV
	Thermal conductivity	EN 12524	0.17 W/m-K
	Indoor Air Emissions: TVOC at 28 days	EN 16516	< 0,05 mg/m <sup>3</sup>
	Content of specific dangerous substances	EN 14041	Compliant, not actively added.

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

\*\* For verification and details please consult our Marmoleum EPD.

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 (EPDs) which can be found on all of our websites.



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