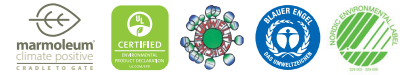


# Technical specifications

Marmoleum sheet meets the requirements of EN-ISO 24011  
Marmoleum Decibel sheet meets the requirements of EN 686



		Marmoleum sheet Walton, Concrete, Piano, Slate	Marmoleum Decibel sheet Walton, Concrete, Piano, Slate
	Total thickness	EN-ISO 24346 2.5 mm	3.5 mm
	Surface finish	Topshield pro	Topshield pro
	Domestic use	EN-ISO 10874 Class 23	Class 23
	Commercial use	EN-ISO 10874 Class 34	Class 33
	Light Industrial use	EN-ISO 10874 Class 43	Class 41
	Collection size	72 colours	72 colours
	Roll width	EN-ISO 24341 2.00 m	1.95 / 2.00 m
	Roll length	EN-ISO 24341 ≤ 33 m	≤ 33 m
	Total weight	EN-ISO 23997 2900 g/m <sup>2</sup>	3100 g/m <sup>2</sup>
	Residual indentation <i>Typical value</i>	EN-ISO 24343-1 ≤ 0.15 mm ~0.08 mm	≤ 0.30 mm ~0.20 mm
	Castor chair continuous use	ISO 4918 Pass	Pass
	Colour fastness to light	EN-ISO 105-B02 method 3 ≥ 6	≥ 6
	Flexibility	EN-ISO 24344 ø 40 mm	ø 40 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 ramp test	DIN 51130 R9 Slate R10	R9 Slate R10
	Acoustical impact sound reduction	EN-ISO 717-2	18 dB
	Indoor Air Emissions: TVOC at 28 days	EN 16516 ≤ 0,01 mg/m <sup>3</sup>	≤ 0,05 mg/m <sup>3</sup>
	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 ***	
	renewable electricity	Marmoleum is manufactured using 100% electricity from renewable sources.	
		Marmoleum and Marmoleum Decibel are 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 and Marmoleum Decibel are free of PVC, PET, synthetic rubber and plasticizers.	
		Marmoleum is REACH compliant.	
	recycled content	Marmoleum contains recycled content.	
	Application on underfloor heating	yes	yes
Marmoleum sheet and Marmoleum Decibel sheet meet the requirements of EN 14041:2004			
	Product code	EN 14041:2004 0100201-DoP-107	0100207-DoP-107
	Reaction to fire	EN 13501-1 C <sub>s</sub> -s1, G, CS	C <sub>s</sub> -s1, G, NCS
	Slip resistance	EN 13893 μ ≥ 0.30	μ ≥ 0.30
	Body voltage	EN 1815 ≤ 2 kV	≤ 2 kV
	Thermal conductivity	EN 12524 0.17 W/m-K	0.17 W/m-K

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

\*\* Application of Marmoleum sheet can help maximize contribution in the project/building for LEED qualification.

\*\*\* For details, please consult the EPD for Marmoleum 4790690881.101.1

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.

