

# Technical specifications

Marmoleum Decibel meets the requirements of EN 686



## Marmoleum Decibel 3.0 mm

	Total thickness	EN ISO 24346	3.0 mm
	Surface finish		Topshield pro
	Collection size		7
	Domestic use	EN ISO 10874	Class 23
	Commercial use	EN ISO 10874	Class 32
	Light industrial use	EN ISO 10874	Class 41
	Roll width	EN ISO 24341	1.95 m / 2.0 m
	Roll length	EN ISO 24341	≤ 33 m <sup>1</sup>
	Total weight	EN ISO 23997	2500 g/m <sup>2</sup>
	Slip resistance (ramp test)	EN 16165 Annex B	R9
	Castor chair continuous use	ISO 4918	Pass
	Residual indentation	EN ISO 24343-1	≤ 0.30mm
	Colour fastness to light	EN ISO 105-B02 method 3	≥ 6
	Indoor air emissions: TVOC after 28 days	EN 16516	≤ 0,05 mg/m <sup>3</sup>
	Bacteriostatic properties*	Marmoleum has natural bacteriostatic properties which are confirmed by independent laboratories, even against the bacteria MRSA.	
	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 30 mm
	Acoustical impact noise reduction	EN ISO 717-2	≥ 17 dB
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact	
	Creating better environments	Marmoleum is climate positive cradle to gate**	
	Natural materials	Marmoleum is a bio-based floor made with up to 98 % 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.	
		The attached acoustic foam is a polyolefine.	
	Recycled content	Marmoleum contains ingredients derived from recycled sources, which are a combination of post-industrial, post-installation and post-consumer streams for both flooring and non-flooring Marmoleum products.	
	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	
	Meets the requirements of	EN 14041:2004	
	DoP	0100207-DoP-107	
	Reaction to fire	EN 13501-1	Cfl-s1,G,NCS
	Slip resistance	EN 13893	μ ≥ 0.30
	Thermal conductivity	EN 12524	0.17 W/mK
	Body voltage	EN 1815	≤ 2.0 kV

\* 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 EPD for Marmoleum Decibel 3.0mm, 23 Aug 24



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