



# Technical specifications

Marmoleum decibel meet the requirements of EN 686

## Marmoleum decibel

	Total thickness	EN ISO 24346	3.5 mm
	Surface finish		Topshield pro
	Collection size		28
	Domestic use	EN ISO 10874	Class 23
	Commercial use	EN ISO 10874	Class 33
	Light industrial use	EN ISO 10874	Class 41
	Roll width	EN ISO 24341	2.0 m
	Roll length	EN ISO 24341	≤ 33 m <sup>1</sup>
	Total weight	EN ISO 23997	3100 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	≤ 0.30 mm ~ 0.20 mm
	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 40 mm
	Acoustical impact noise reduction	EN ISO 717-2	19db
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact	
	Creating better environments	Marmoleum decibel is climate positive cradle to gate*	
	Natural materials	Marmoleum decibel is a bio-based floor made with up to 94 % 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 for both flooring and non-flooring Marmoleum products. Marmoleum 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		0100207-DoP-107
	Reaction to fire	EN 13501-1	C <sub>s</sub> -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

\* For details, please consult the EPD "Marmoleum decibel 3.5 mm Sheet" available on the website.



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.