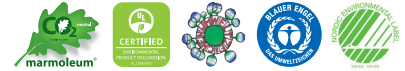


Technical specifications

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



		Marmoleum sheet Walton, Concrete, Piano, Cocoa, Slate	Marmoleum Decibel sheet Walton, Concrete, Piano, Cocoa, 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		77 colours	77 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 ²	3100 g/m ²
	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 ³	≤ 0,01 mg/m ³
	LCA Life Cycle Assessment**		LCA is the foundation for securing the lowest environmental impact.	
	Creating better environments			
	CO ₂ neutral		Marmoleum 2.5 mm is produced CO ₂ neutral (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.	
			Marmoleum contains PEFC certified wood flour.	
	natural materials (e.g. linseed oil, jute, tree resin, wood flour, limestone)		Marmoleum Cocoa additionally contains natural cocoa shells, a production residue of regional Dutch cocoa production.	
			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 _s -s1, G, CS	C _s -s1, G, CS
	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 nett 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 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 (EPD's) which can be found on all of our websites.

