

Technical specifications

Marmoleum meets the requirements of EN-ISO 24011
 Marmoleum Acoustic meets the requirements of EN 687
 Marmoleum Decibel meets the requirements of EN 686



		Marmoleum 2.0 mm Real/Fresco	Marmoleum 2.5 mm Real/Fresco/Vivace/ Splash/Terra	Marmoleum 3.2 mm Real/Fresco	Marmoleum Decibel	Marmoleum Acoustic	
	Total thickness	EN-ISO 24346	2.0 mm	2.5 mm	3.2 mm	3.5 mm	4.0 mm
	Surface finish		Topshield ²	Topshield ²	Topshield ²	Topshield ²	Topshield ²
	Domestic use	EN-ISO 10874	Class 23	Class 23	Class 23	Class 23	Class 23
	Commercial use	EN-ISO 10874	Class 32	Class 34	Class 34	Class 33	Class 33
	Light Industrial use	EN-ISO 10874	Class 41	Class 43	Class 43	Class 41	Class 41
	Collection size		29	90	8	14	6
	Roll width	EN-ISO 24341	2.0 m	2.0 m	2.0 m	1.95 / 2.0 m	2.0 m
	Roll length	EN-ISO 24341	≤ 33 m	≤ 33 m	≤ 33 m	≤ 33 m	≤ 33 m
	Total weight	EN-ISO 23997	2300 g/m ²	2900 g/m ²	3900 g/m ²	3100 g/m ²	4000 g/m ²
	Residual indentation <i>Typical value</i>	EN-ISO 24343-1	≤ 0.15 mm ~0.07 mm	≤ 0.15 mm ~0.08 mm	≤ 0.15 mm ~0.10 mm	≤ 0.30 mm ~0.20 mm	≤ 0.40 mm ~0.25 mm
	Castor chair continuous use	ISO 4918	Pass	Pass	Pass	Pass	Pass
	Color fastness to light	EN-ISO 105-B02 method 3	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
	Flexibility	EN-ISO 24344	ø 30 mm	ø 40 mm	ø 50 mm	ø 40 mm	ø 60 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	R9	R9	R9	R9
	Acoustical impact noise reduction	EN-ISO 717-2	-	-	-	18 dB	14 dB
	Indoor Air Emissions: TVOC at 28 days	EN 16516	< 0,05 mg/m ³	< 0,05 mg/m ³	< 0,05 mg/m ³	< 0,05 mg/m ³	< 0,05 mg/m ³
	Marmoleum Ohmex 2.5 mm is available in different colours:	Electrical resistance 1 x 10 ⁶ Ω < R1 < 1 x 10 ⁹ Ω (static dissipative) tested in accordance with EN 1081					
	Creating better environments						
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.					
	CO ₂ neutral	Marmoleum 2.0 mm and 2.5 mm are produced CO ₂ neutral (Cradle to gate). ^{***}					
	renewable electricity	Marmoleum is manufactured using 100% electricity from renewable sources.					
	natural materials (e.g. linseed oil, jute, tree resin, wood flour, limestone)	Marmoleum is made of 94-98% natural materials.					
		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	yes	yes	yes	yes

Marmoleum meets the requirements of EN 14041:2004

		EN 14041	0100201-DoP-306	0100201-DoP-306	0100201-DoP-306	0100207-DoP-306	0100206-DoP-306
	Product code	EN 14041	0100201-DoP-306	0100201-DoP-306	0100201-DoP-306	0100207-DoP-306	0100206-DoP-306
	Reaction to fire	EN 13501-1	C _f -s1, G, CS	C _f -s1, G, CS ^{***}	C _f -s1, G, CS	C _f -s1, G, CS	C _f -s1, G, CS
	Slip resistance	EN 13893	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30
	Body voltage	EN 1815	≤ 2.0 kV	≤ 2.0 kV	≤ 2.0 kV	≤ 2.0 kV	≤ 2.0 kV
	Thermal conductivity	EN 12524	0.17 W/mK	0.17 W/mK	0.17 W/mK	0.17 W/mK	0.17 W/mK

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

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

*** Marmoleum 2.5 mm is available in reaction to fire classification B_s-s1, G, CS. Available on request, contact sales support for leadtime.

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.

