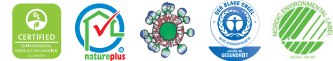


Technical specifications

Marmoleum Solid 2.5 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		
	Domestic use	EN-ISO 10874 Class 23, heavy	Class 23, heavy
	Commercial use	EN-ISO 10874 Class 34, very heavy	Class 33, heavy
	Light Industrial use	EN-ISO 10874 Class 43, heavy	Class 41, moderate
	Collection size	78 colours	13 colours
	Roll width	EN-ISO 24341 2.00 m	2.00 m (made to order items 1.90 m)
	Roll length	EN-ISO 24341 ≤ 33 lm	≤ 33 lm
	Total weight typical value	EN-ISO 23997 2900 g/m ²	3100 g/m ²
	Residual indentation Typical value	EN-ISO 24343-1 ≤ 0.15 mm ~0.08 mm	≤ 0.30 mm ~0.20 mm
	Castor chair continuous use	ISO 4918/ EN 425	Suitable for office chairs with castors
	Light fastness	EN-ISO 105-B02	Method: 3 blue scale > 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	DIN 51130 R9 Slate R10	R9 Slate R10
	Acoustical impact sound reduction	EN-ISO 717-2 ≤ 5 dB	18 dB Marmoleum with polyolefine foam backing. All non-stocked items available as made to order.
	Indoor Air Emissions: TVOC at 28 days	EN ISO 16000-9 < 50 µg/m ³	< 50 µg/m ³
	Life Cycle Assessment**	LCA is the foundation for securing the lowest environmental impact	
	Creating better environments	Marmoleum sheet is produced CO ₂ neutral	
	renewable electricity	Marmoleum sheet is manufactured using 100% electricity from renewable sources	
		Marmoleum and Marmoleum Decibel are made on average of 97% natural raw 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, an upcycled 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	
	Back to the Floor	Marmoleum and Marmoleum Decibel installation cut-offs can be collected and recycled via Back to the Floor	
	Application on underfloor heating (up to 27 degrees celcius)	yes	yes

Marmoleum sheet, Marmoleum Decibel meet the requirements of EN 14041

CE	Product code	EN 14041	0100201-DoP-306	0100207-DoP-306
	Reaction to fire	EN 13501-1	C _s -s1	C _s -s1
	Slip resistance	EN 13893	DS-µ ≥ 0.30	DS-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.

BREEAM ratings (generic)

	Building Type Commercial	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	Meets Ska criteria
Linoleum - Plain and decorative linoleum (EN548)	A	A+	A+	A	A+	A+	✓

Our recommended adhesive for the Marmoleum Solid collection is 414 Euroflex Lino plus or 614 Eurostar Lino EL.
Our recommended adhesive for the Marmoleum Decibel collection is 540 Eurosafe Special or 640 Eurostar Special.



All Forbo Flooring Systems' sales organisations and manufacturing sites worldwide have certified Quality Management Systems in accordance with ISO 9001.
All Forbo Flooring Systems' manufacturing plants have certified Environmental Management Systems in accordance with ISO 14001.
Marmoleum is manufactured in a facility certified to SA8000® and OHSAS 18001.
The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental product declarations (EPDs) or local building rating schemes such as BREEAM.