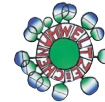


# Technical specifications



Marmoleum cocoa meets the requirements of EN ISO 24011, Marmoleum Decibel cocoa meets the requirements of EN 686.

		Marmoleum 2.5 mm cocoa	Marmoleum Decibel cocoa
	Total thickness	EN ISO 24346 2.5 mm	3.5 mm
	Surface finish	Topshield pro	
	Collection size	10	On request
	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
	Roll width	EN ISO 24341 2.0 m	1.95 m / 2.0 m
	Roll length	EN ISO 24341 ≤ 33 m	≤ 33 m
	Total weight	EN ISO 23997 2900 g/m <sup>2</sup>	3100 g/m <sup>2</sup>
	Slip resistance (ramp test)	EN 16165 R9	R9
	Castor chair continuous use	ISO 4918 Pass	Pass
	Residual indentation <i>Typical value</i>	EN ISO 24343-1 ≤ 0.15 mm ~ 0.08 mm	≤ 0.30 mm ~ 0.20 mm
	Colour fastness to light	EN ISO 105-B02 method 3 ≥ 6	≥ 6
	Indoor air emissions: TVOC after 28 days	EN 16516 ≤ 0,01 mg/m <sup>3</sup>	≤ 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	ø 40 mm
	Acoustical impact noise reduction	EN ISO 717-2 -	18 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 (e.g. linseed oil, jute, tree resin, wood flour, limestone)	Marmoleum cocoa is a biobased floor and made with natural ingredients (e.g. linseed oil, rosin, wood flour and cocoa husks). Marmoleum contains PEFC certified wood flour.	
	Recycled content	Marmoleum cocoa contains 43% recycled content in total. 33% of recycled content is industry, installation and/or end of life flooring material, maximising the amount of end of life uplifted Marmoleum floors.	
	Back to the floor	Marmoleum cocoa is recyclable after installation and after use. Marmoleum is free of PVC, PET, synthetic rubber and plasticizers.	
	Renewable electricity	Marmoleum is manufactured using 100% electricity from renewable sources.	
	Health and safety	Marmoleum cocoa is REACH compliant to assure human safety and health.	
	Green building certifications	Marmoleum cocoa helps supports achieving credits on Green Building Certifications and standards like BREEAM, LEED and WELL.	
	Application for underfloor heating	yes	
Cocoa meets the requirements of EN 14041:2004			
	Product code	EN 14041:2004 0100201-DoP-107	0100207-DoP-107
	Reaction to fire	EN 13501-1 C <sub>fl</sub> ≤1,G,CS	C <sub>fl</sub> ≤1,G,NCS
	Slip resistance	EN 13893 μ ≥ 0.30	μ ≥ 0.30
	Thermal conductivity	EN 12524 0.17 W/mK	0.17 W/mK
	Body voltage	EN 1815 ≤ 2.0 kV	≤ 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 4790690881.101.1



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.