

# Technical specifications

Marmoleum Acoustic meets the requirements of EN 687  
Marmoleum Decibel meets the requirements of EN 686

		Marmoleum Decibel	Marmoleum Acoustic	
	Total thickness	EN-ISO 24346	3.5 mm	4.0 mm
	Surface finish		Topshield 2	Topshield 2
	Domestic use	EN-ISO 10874	Class 23	Class 23
	Commercial use	EN-ISO 10874	Class 33	Class 33
	Light Industrial use	EN-ISO 10874	Class 41	Class 41
	Collection size		14 colours - All other items available as made to order*	6 colours
	Roll width	EN-ISO 24341	1.90 / 2.0 m	2.0 m
	Roll length	EN-ISO 24341	≤ 33 m	≤ 33 m
	Total weight <i>Typical value</i>	EN-ISO 23997	3100 g/m <sup>2</sup>	4000 g/m <sup>2</sup>
	Residual indentation <i>Typical value</i>	EN-ISO 24343-1	≤ 0.30 mm ~0.20 mm	≤ 0.40 mm ~0.25 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	∅ 40 mm	∅ 60 mm
	Resistance to chemicals	EN-ISO 26987	Resistant to diluted acids, oils, fats and to 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.	
	Acoustical impact sound reduction	EN-ISO 717-2	≤ 18 dB	≤ 14 dB
	Indoor Air Emissions: TVOC at 28 days	EN 16516	≤ 0.01 mg/m <sup>3</sup>	≤ 0.01 mg/m <sup>3</sup>
	<b>Creating better environments</b>			
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.		
	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 natural raw materials. Marmoleum contains PEFC certified wood flour.		
	recycled content	Marmoleum contains recycled content.		
	Social Accountability	Marmoleum is manufactured in a facility certified to SA8000.		
	Warranties	10 years or 15 on application with Coral entrance matting system.		
	Application on underfloor heating	Yes	Yes	Yes
	Marmoleum meets the requirements of EN 14041:2004			
	DoP	EN 14041	0100206-DoP-107	0100206-DoP-107
	Reaction to fire	ISO 9239.1	CRF: > 4.5 kW/m <sup>2</sup> , Smoke development: < 750%.min	CRF: > 4.5 kW/m <sup>2</sup> , Smoke development: < 750%.min
	Slip resistance	AS/NZS 4586-2013	R10***	R10***
	Body voltage	EN 1815	≤ 2.0 kV (antistatic)	≤ 2.0 kV (antistatic)
	Thermal resistance	EN 12524	0.17 W/mK	0.17 W/mK

\* Subject to a minimum order quantity and lead times, for more information please contact us.

\*\* Marmoleum sheet can be installed nett fit (without welding), or with a welding rod in the seam. Both are proven hygienic solutions.

\*\*\* Slip test result achieved in an independent laboratory on a new sample. On-site testing is variable and may not guarantee the same result. For sustainable slip, a particle-based floor must be used. Recommended adhesives: For the latest installation instructions please visit [www.forbo-flooring.com.au/installation](http://www.forbo-flooring.com.au/installation).

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.



[info.au@forbo.com](mailto:info.au@forbo.com)

1800 224 471

[forbo-flooring.com.au/marmoleum](http://forbo-flooring.com.au/marmoleum)

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11/2022



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