santamargherita
THE ORIGINAL ITALIAN SURFACE ®

TECHNICAL DATA FOR MARBLE BASED ENGINEERED STONES

Product:	**DHALIA**
Brand name:	**SM MARBLE®**
Composition:	**7 - 9 % Resin, 91 - 93 % Marble**
Pre-consumer recycled:	**69 % by weight**
Surface finish:	**Polished, Honed, Brushed, Antique**
Slabs size (cm):	**305x124**
Slabs thickness* (cm):	**1,2 - 2,0 - 3,0 - 4,0**
Tiles size* (cm):	**30x30x1,2 - 40x40x1,2 - 60x60x1,2 - 60x30x1,2 - 50x30x1,2 - 60x40x1,2**

* Other sizes and thicknesses available on request

Characteristics	Standard	Value	Notes
Apparent density	EN 14617-1	2450 - 2550 Kg/m^3	
Water absorption	EN 14617-1	≤ 0,15 %	
Flexural strength	EN 14617-2	22 - 35 MPa	
Abrasion resistance	EN 14617-4	37 - 40 mm	
Frost resistance	EN 14617-5	KM_{f25} 0,8 - 1,2	
Thermal shock resistance	EN 14617-6	Δm% ≤ 0,12 %	Test temperature: 70°C
		$\Delta R_{f,20}$% ≤ 30 %	
Impact resistance	EN 14617-9	1,0 - 2,0 J	For thickness 9 mm, 12 mm
		≥ 1,5 J	For thickness 20 mm, 30 mm
Chemical resistance	EN 14617-10	C1	
Linear thermal expansion coefficient	EN 14617-11	16 - 26 x 10^{-6} °C^{-1}	
Dimensional stability	EN 14617-12	Class A (<0,3 mm)	
Electrical resistivity	EN 14617-13	ρ_s ≥ 10^{10} Ω	Referred to surface
		ρ_v ≥ 10^8 Ω m	Referred to volume
Compression resistance	EN 14617-15	90 - 150 MPa	
Length and width	EN 14617-16	± 0,5 mm	Referred to tiles
Thickness	EN 14617-16	± 0,7 mm	Referred to tiles
Straightness of sides	EN 14617-16	± 0,3 mm	Referred to tiles
Rectangularity	EN 14617-16	± 0,9 mm	Referred to tiles
Centre curvature	EN 14617-16	± 0,2% referred to length	Referred to tiles
Edge curvature	EN 14617-16	± 0,2% referred to length	Referred to tiles
Warping	EN 14617-16	± 0,2% referred to length	Referred to tiles
Mohs hardness	EN 101	up to 3 Mohs	
Thermal conductivity	EN 12524	1,3 W/(m K)	From tabulated values
Reaction to fire	EN 13501-1	A2fl-s1	
Slip resistance	EN 14231	≥ 35 (Dry)	
		≥ 3 (Wet)	
Slip resistance	DIN 51130	R9	For Honed H9

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