

## Marmoreal, Technical Data

Property	Standard	Value	Notes
Apparent density	EN14617-1	2450–2550 kg/ m <sup>3</sup>	
Water absorption	EN14617-1	≤1.00% (White) ≤ 0.25 % (Black)	
Flexural Strength	EN14617-2	10-20MPa	
Abrasion Resistance	EN14617-4	35.0–40.0 mm (White) 33–37 mm (Black)	
Frost Resistance	EN14617-5	KMf250.6-1.0	
Thermal shock resistance	EN14617-6	$\Delta m\% \leq 0,15\%; \Delta R_f, 20\% \leq 50\%$	Test temperature/ 70°C
Impact resistance	EN 14617-9	1,0–2,0J ≥ 1,5 J	For thickness 12 mm For thickness 20 mm, 30 mm
Chemical resistance	EN 14617-10	C1	
Linear thermal expansion coefficient	EN 14617-11	12–18 x 10 <sup>-6</sup> °C <sup>-1</sup>	
Dimensional stability	EN 14617-12	Class A (<0,3mm)	
Electrical resistivity	EN 14617-13	$s \geq 1010\Omega$ $v \geq 108\Omega m$	Referred to surface Referred to volume
Compression resistance	EN 14617-15	90–150 MPa	
Length and width	EN 14617-16	± 0,5mm	Referred to tiles
Thickness	EN 14617-16	± 0,7mm	Referred to tiles
Straightness of sides	EN 14617-16	± 0,3mm	Referred to tiles
Rectangularity	EN 14617-16	± 0,9mm	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	3 Mohs	
Thermal conductivity	EN 12524	1.3W / (mK)	From tabulated values
Reaction to fire	EN 13501-1	A2fl-s1	
Slip resistance	EN 14231	Dry ≥ 35 / Wet ≥ 3	
Slip resistance	DIN 51130	R9	For Honed 320