



Moonstone

Technical Specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): 60x120/60x60/30x60/7.5x45/7.5x40.7	Thickness (mm): 9.5 mm
Sides: Rectified - Natural	Surfaces: Natural
Product Group: Bla-GL	

Technical characteristics		Test method	EN 14411 and ISO 13006 requirements	Average values
Dimensions	Length and width	ISO 10545-2	±0.6% and ± 2.0mm	Compliant
	Straightness of sides	ISO 10545-2	±0.5% and ± 1.5mm	Compliant
	Rectangularity	ISO 10545-2	±0.5% and ± 2.0mm	Compliant
	Flatness	ISO 10545-2	±0.5% and ± 2.0mm	Compliant
	Thickness	ISO 10545-2	±5% and ± 0.5mm	Compliant
Water absorption		ISO 10545-3	≤ 0.5%	<0.1% / <0.15%
Modulus of rupture		ISO 10545-4	≥ 35 N/mm ²	>45 N/mm ²
Breaking strength (S)		ISO 10545-5	≥ 1300 N	Compliant
Abrasion resistance		ISO 10545-7	Declared class	5 / 4
Linear thermal expansion		ISO 10545-8	Declared value	$\alpha \leq 7 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$
Thermal shock resistance		ISO 10545-9	No alterations	Resistant
Frost resistance		ISO 10545-12	No alterations	Resistant
Chemical resistance		ISO 10545-13	Declared value	LA-HA (Resistant)
Household chemicals resistance		ISO 10545-13	B min.	A (Resistant)
Stain resistance		ISO 10545-14	Class 3 min.	Class 5 (Resistant)
Slip Resistance	DIN 51130		Declared value	R10
	DIN 51097		Declared value	B
	ANSI A137.1 (DCOF)		Declared value	>0.42
	B.C.R.A. Rep. CEC/81		Declared value	>0.4
	BS 7976		Declared value	PTV _{wet} > 36
Shade variation		ANSI A 137.1	Not required	V3
Fire reaction		UNI EN 13501-1	-	A1 _{FL} class
Thermal Conductivity		EN 12524	Not required	$\lambda = 1.3 \text{ W/m}\cdot\text{K}$
Light and colour fastness		DIN 51094	Not required	No variations