

HIMALAYA - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): 30x60; 60x60; 60x120; 120x280	Thickness (mm) : 8.5, 6
Sides: Rectified	Surface: Natural, Polished
	Product Group: Bla-GL

Technical characteristics		Test method	EN 14411 and ISO 13006 requirements	Italcer 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%	
Modulus of rupture		ISO 10545-4	≥ 35 N/mm ²	>45 N/mm ²	
Breaking strength (S)		ISO 10545-4	≥ 1300 N	Compliant	
Abrasion resistance		ISO 10545-7	Declared class	PEI 5 PEI 4 (Black, Grey)	
Linear thermal expansion		ISO 10545-8	Declared value	$\alpha \leq 7.1 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$	
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	
Household chemicals resistance		ISO 10545-13	B min.	A	
Stain resistance		ISO 10545-14	Class 3 min.	5	
Mohs Hardness		UNI EN 101	5 Min.	7 5 (polished)	
				Natural	Polished
Slip Resistance	DIN 51130	Declared value		R10	-
	DIN 51097	Declared value		B	-
	ANSI A137.1	Declared value		>0.42	-
	B.C.R.A. Rep. CEC/81	Declared value		>0.4	-
	BS 7976	Declared value		Dry/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	