

UP - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): 5x25; 10x10;1.2x20	Thickness (mm): 9 ; 15
Sides: natural	Surface: natural
	Product Group: BIII-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 Rect. : ±0.4% and ± 1.8mm	Compliant
	Thickness	ISO 10545-2	±5% and ± 0.5mm	Compliant
Water absorption		ISO 10545-3	<10 %	Compliant
Modulus of rupture		ISO 10545-4	≥ 15 N/mm ²	Compliant
Breaking strength (S)		ISO 10545-4	≥ 200 N	Compliant
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.	Compliant
Stain resistance		ISO 10545-14	Class 3 min.	Compliant
Mohs Hardness		UNI EN 101	5 Min.	Compliant
Shade variation		ANSI A 137.1	Not required	V1
Fire reaction		UNI EN 13501-1	-	A1 _{FL} class
Thermal Conductivity		EN 12524	Not required	$\lambda = 1.3 \text{ W/m}\cdot^{\circ}\text{K}$
Light and colour fastness		DIN 51094	Not required	No variations

Rubiera, April 17, 2025

Italcer Quality Department