

# INVISIBLE - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): <b>60x120; 120x280; 163x324</b>	Thickness (mm) : <b>8.5 ; 6 ; 12</b>
Sides: <b>rectified, natural</b>	Surface: <b>matt, polished</b>
	Product Group: <b>Bla-GL</b>

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 <sup>2</sup>	>45 N/mm <sup>2</sup>
Breaking strength (S)		ISO 10545-4	≥1300 N	Compliant
Abrasion resistance		ISO 10545-7	Declared class	PEI 5 (Invisible Ice; Invisible Ivory); PEI 3 (Invisible Blue; Invisible Green)
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 ; LB-HB (polished)
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.	6(polished) ; 7
Slip Resistance	DIN 51130	Declared value	R9(natural)	
	DIN 51097	Declared value	A(natural)	
	ANSI A137.1	Declared value	>0.42 (natural)	
	B.C.R.A. Rep. CEC/81	Declared value	/	
	BS 7976	Declared value	Wet : 25<x<35 (natural)	
Shade variation		ANSI A 137.1	Not required	V3
Fire reaction		UNI EN 13501-1	-	A1 <sub>FL</sub> 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