HANNOVER - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): **5.2x29**	Thickness (mm) : **8.5**
Sides: **natural**	Surface: **natural**
	Product Group: **BIa-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	≤ 0.3%	Compliant
Modulus of rupture		ISO 10545-4	≥ 45 N/mm^2	Compliant
Breaking strength (S)		ISO 10545-4	≥ 1300 N	Compliant
Abrasion resistance		ISO 10545-7	Declared class	PEI 5 (Shade, Snow); PEI 4 (Beige, Blush); PEI 3 (Dark, Grey, Cotto, Cacao)
Linear thermal expansion		ISO 10545-8	Declared value	$\alpha \leq 7.1x10^{-6}$ °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 (natural)
Household chemicals resistance		ISO 10545-13	B min.	A (natural)
Stain resistance		ISO 10545-14	Class 3 min.	5
Mohs Hardness		UNI EN 101	5 Min.	7 (natural)
Slip Resistance		EN 16165 an.B	Declared value	R10
		EN 16165 an.A	Declared value	C
		ANSI A326.3	Declared value	> 0.42 (natural)
		B.C.R.A. Rep. CEC/81	Declared value	> 0.4 (natural)
		EN 16165 an.C	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	λ = 1.3 W/m·°K
Light and colour fastness		DIN 51094	Not required	No variations

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Italcer Quality Department