

GROOVES - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): 1.2x20; 7,5x15	Thickness (mm) : 9 mm
Sides: Natural	Surface: matt, glossy
	Product Group: BIII (pasta bianca)

Technical characteristics		Test method	EN 14411 and ISO 13006 requirements	Italcer Average values
Dimensions	Length and width	ISO 10545-2	$\pm 0.6\%$ and $\pm 2.0\text{mm}$	Compliant
	Straightness of sides	ISO 10545-2	$\pm 0.5\%$ and $\pm 1.5\text{mm}$	Compliant
	Rectangularity	ISO 10545-2	$\pm 0.5\%$ and $\pm 2.0\text{mm}$	Compliant
	Flatness	ISO 10545-2	$\pm 0.5\%$ and $\pm 2.0\text{mm}$	Compliant
	Thickness	ISO 10545-2	$\pm 5\%$ and $\pm 0.5\text{mm}$	Compliant
Water absorption		ISO 10545-3	$>10\%$	Compliant
Modulus of rupture		ISO 10545-4	$\geq 15 \text{ N/mm}^2$	Compliant
Breaking strength (S)		ISO 10545-4	$\geq 200 \text{ N}$	Compliant
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