

BOXER CEMENTINE « COLLA&GRANIGLIA » - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): 20.3x20.3	Thickness (mm) : 9 mm
Sides: Non-rectified	Surface: natural
Colours : Caprice, Persian, Paradise	Product Group: Bla-GL

Technical characteristics		Test method	EN 14411 and ISO 13006 requirements	Boxer 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%	Compliant
Modulus of rupture		ISO 10545-4	≥ 35 N/mm ²	>40 N/mm ²
Breaking strength (S)		ISO 10545-4	≥ 1300 N	Compliant
Abrasion resistance		ISO 10545-7	Declared class	
Linear thermal expansion		ISO 10545-8	Declared value	α ≤ 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
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
Slip Resistance		EN 16165 an.B	Declared value	/
		EN 16165 an.A	Declared value	/
		ANSI A326.3	> 0.42	Compliant
		B.C.R.A. Rep. CEC/81	> 0.4	Compliant
		EN 16165 an.C	Declared value	Compliant
Shade variation		ANSI A 137.1	Not required	
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

Fiorano (Italy), 25th January 2023

Signed by Andrea Tondelli (CEO)

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