

Technical features S/MATERICA
ANSI A137.1/ EN 14411/ISO 13006/ISO 10545 Standards

Products: **Bianco, Avorio, Tortora, Cenere, Cemento, Moka, Sabbia, Ardesia**

Size cm: **90X90- 30X90**

Thicknesses (mm): **14**

Sides: **Rectified;**

Surface: **Structured, Unglazed, Natural & Honed (lack)**

Product group: **Bla-UGL** (Water absorption $\leq 0,5$ %)

Technical characteristics		Test method	ISO 13006-G and EN 14411-G -Values required for Bla-UGL group	Serie Materica Values
Water absorption (E)		ISO 10545-3	$\leq 0,5$ %	0,05 %
Bending strength		ISO 10545-4	≥ 35 N/mm ²	Complinat
Breaking strength (S)		ISO 10545-4	≥ 1300 N	6080 N (≥ 620 Kg) Medium Value of Production
Deep abrasion resistance		ISO 10545-6	≤ 175 mm ³	≤ 134 mm ³
Linear thermal expansion		ISO 10545-8	Not required	$\alpha \leq 7 \cdot 10^{-6} \text{ }^{\circ}\text{C}^{-1}$
Thermal shock resistance		ISO 10545-9	Not required	Resistant
Crazing resistance		ISO 10545-11	No alterations	Resistant
Frost resistance		ISO 10545-12	No alterations	Resistant
Chemical resistance		ISO 10545-13	According to manufacturer's statement	ULA, UHA (Resistant)
Household chemicals resistance		ISO 10545-13	UB min.	UA (Resistant)
Stain resistance		ISO 10545-14	Class 3 min.	5 (Resistant)
Aesthetic classification and Shade variation		ANSI A137.1	According to manufacturer's statement	V1
Dimensions	Length and width	ISO 10545-2	$\pm 0,6$ %	± 2 %
	Straightness of sides	ISO 10545-2	$\pm 0,5$ %	± 2 %
	Rectangularity	ISO 10545-2	$\pm 0,6$ %	± 2 %
	Flatness	ISO 10545-2	$\pm 0,5$ %	± 3 %
	Thickness	ISO 10545-2	± 5 %	± 5 %



SLIP RESISTANCE

Technical characteristics	Test method	Values required	Serie Materica. Values
Slip Resistance	DIN 51130	$10^\circ < \alpha \leq 19^\circ$ R 10	R 10. (Nat.Rtt)
	DIN 51097	$18^\circ \leq \alpha < 24^\circ$ B (A+B)	B (Nat.Rtt)
	ANSI A137.1 BOT 3000	DCOF $\geq 0,42$	$\geq 0,42$ (Nat.Rtt)

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