

EST / 1989
MANDARIN STONE

PRODUCT SPECIFICATION

ONYX NOUVEAU GLOSS PORCELAIN RANGE

Technical features - compliant with standards EN 14411 (ISO 13006) annex UGL group Bia

	Technical Features	Ref.	Required Standards	Average Value
Regularity Characteristics	Dimensions of sides	ISO 10545-2	$\pm 0.60\%^*$	Conforms
	Thickness		$\pm 5.00\%$	Conforms
	Straightness		$\pm 0.50\%$	Conforms
	Squareness		$\pm 0.60\%$	Conforms
	Flatness		$\pm 0.50\%$	Conforms
Structural Characteristics	Water Absorption	ISO 10545-3	$\leq 0.5\%$	$\leq 0.06\%$
Bulk Mechanical Characteristics	Breaking Strength	ISO 10545-4	$S \geq 1300 \text{ N}$	Conforms
	Modulus of Rupture		$R \geq 35 \text{ N/mm}^2$	Conforms
Surface Mechanical Characteristics	Deep Scratch Resistance	ISO 10545-6	$\leq 175 \text{ mm}^3$	142 mm^3
Thermal & Hygrometric Characteristics	Linear Heat Expansion Coefficient	ISO 10545-8	Declared Value	$6.5 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$
	Frost Resistance	ISO 10545-12	Required	Resistant
Safety characteristics	Slip Resistance	BS 7976-2	Slip Resistant (≥ 0.36)	NPD
	Non-slip classification	DIN 51130	Based on the environment	NPD
Chemical Characteristics	Chemical Resistance	ISO 10545-13	Class UB Minimum	Conforms
	Resistance to stains	ISO 10545-14	Declared value	Class 5