

EST / 1989  
**MANDARIN STONE**

**PRODUCT SPECIFICATION**

**LUMI PORCELAIN**

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

Technical Features	Reference	Required Standards	Average Value
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
Water Absorption	ISO 10545-3	$\leq 0.5\%$	Conforms
Breaking Strength	ISO 10545-4	$S \geq 1300 \text{ N}$	Conforms
Modulus of Rupture		$R \geq 35 \text{ N/mm}^2$	Conforms
Deep Scratch Resistance	ISO 10545-6	Declared Value	$\leq 145 \text{ mm}^3$
Linear Heat Expansion Coefficient	ISO 10545-8	Declared Value	$\alpha \leq 7 \times 10^{-6}/^{\circ}\text{C}^{-1}$
Thermal Shock Resistance	ISO 10545-9	According to ISO 10545-1	Resistant
Frost Resistance	ISO 10545-12	Required	Resistant
Slip resistance	BS EN 7976-2	Slip Resistant ( $\geq 0.36$ )	NPD
Non-slip classification (9mm/10mm)	DIN 51130	Declared Value	R9
	DIN 51097		NPD
Non-slip classification (20mm)	DIN 51130	Declared Value	R11
	DIN 51097		C
Resistance To Chemicals	ISO 10545-13	Min. GB-UB	Conforms
Resistance to Stains	ISO 10545-14	Class $\geq 3$	Cleanable