

EST / 1989  
**MANDARIN STONE**

**PRODUCT SPECIFICATION**

**PETRA PORCELAIN RANGE**

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	$\leq 0.5\%$	$\leq 0.1\%$
Modulus of Rupture	ISO 10545-4	$R \geq 35 \text{ N/mm}^2$	$\geq 47 \text{ N/mm}^2$
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
Expansion IN Humidity	ISO 10545-10	Declared Value	$\leq 0.1 \text{ mm/m}$
Frost Resistance	ISO 10545-12	Required	Resistant
Slip Resistance - Dry	BS EN 7976-2	Declared Value	50.00
Slip Resistance - Wet			36.00
Non-slip classification (9mm/10mm)	DIN 51130	Declared Value	R10
	DIN 51097		A
Resistance To Chemicals	ISO 10545-13	Min. GB-UB	Conforms
Resistance to Stains	ISO 10545-14	Class $\geq 3$	Cleanable