

EST / 1989  
**MANDARIN STONE**

**PRODUCT SPECIFICATION**

**CHICAGO RANGE 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	$\leq 0.5\%$	$\leq 0.1\%$
Breaking Strength	ISO 10545-4	$S \geq 1300 \text{ N}$	$S \geq 1800 \text{ N}$
Modulus of Rupture		$R \geq 35 \text{ N/mm}^2$	$R \geq 45 \text{ N/mm}^2$
Deep Scratch Resistance	ISO 10545-6	$\leq 175 \text{ mm}^3$	$\leq 150 \text{ mm}^3$
Linear Heat Expansion Coefficient	ISO 10545-8	Declared Value	$\leq 7 \text{ (MK)}^{-1}$
Thermal Shock Resistance	ISO 10545-9	According to ISO 10545-1	Resistant
Frost Resistance	ISO 10545-12	Required	Resistant
Slip resistance (9, 10 & 20mm)	BS EN 7976-2	Slip Resistant ( $\geq 0.36$ )	$\geq 0.36$ Dry $\geq 0.36$ Wet
Non-slip classification (9 & 10mm)	DIN 51130	Declared Value	R10
Non-slip classification (20mm)	DIN 51130 & DIN 51097		R11C
Resistance To Household Chemicals & Swimming Pool Salts	ISO 10545-13	Class UB Minimum	UA
Resistance to low concentrations of acids & alkalis		Declared value	ULA
Resistance to high concentrations of acids & alkalis		Declared value	UHA
Resistance to stains	ISO 10545-14	Declared value	Cleanable