



Technical Specification

TECHNICAL FEATURES GLAZED FINE PORCELAIN STONEWARE - ISO 13006 BIa GL				
	Physical / Chemical Properties	Standard of Test	Mean Value	
	Dimensions	ISO 10545-2		
	Length and Width		W	$\pm 0.6\%$ max
			10 test	$\pm 0.5\%$ max
	Thickness		$\pm 5\%$ max	
	Straightness of Sides		$\pm 0.5\%$ max	
	Rectangularity		$\pm 0.6\%$ max	
Surface Flatness	ISO 10545-2	$\pm 0.5\%$ max		
		ASTM C 485	Warpage diagonal/edge $\pm 0.4\%$	
	Water absorption	ISO 10545-3	$E \leq 0.5\%$ BIa GL	
	Frost resistance	ISO 10545-12	Frost Proof	
	Resistance to thermal shock	ISO 10545-9	Resistant	
	Linear thermal expansion coefficient (50°/400°)	ISO 10545-8	Test Method Available	
	Crazing resistance of glazed tiles	ISO 10545-11	Resistant	
	Scratch Hardness (MOHS scale)	EN 101	MOHS 6.5	
	Resistance to surface abrasion of glazed tiles	ISO 10545-7	Class 4	
	Resistance to household chemicals	ISO 10545-13	Class GA	
	Resistance to low concentrations of acids and bases		Class GLA	
	Resistance to stains of glazed tiles	ISO 10545-14	Class 5	
	Bending strength	ISO 10545-4	$R \leq 35 \text{ N/mm}^2$	
			$S \geq 1300 \text{ N}$	
	Anti-slip properties	DIN 51130 (NO LAPP)	R10	
		ASTM C 1028 (NO LAPP)	DRY: $\mathcal{M} \geq 0.70$ WET: $\mathcal{M} \geq 0.60$	
		B.C.R.A. REP. CEC. 6/81 (NO LAPP)	$0.40 \geq \mathcal{M} \geq 0.74$	
		DIN 51097	Class B	
		DCOF Acu Test	$\mathcal{M} \geq 0.42$	