



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 7	
	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