

TECHNICAL SPECIFICATION

NOMINAL SIZE : 60 X 120 CM (RECTIFIED)
THICKNESS : 9.mm
TYPE OF PRODUCT : PORCELAIN TILE
NATURE OF SURFACE : POLISH/MATT
REF. STANDARD : INTERNATIONAL STANDARD ISO 13006:2012

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	SPECIFICATION FOR PRODUCTION
Length	BS EN ISO 10545-2	±0.6%	±0.07% (± 0.4 mm)
Width	BS EN ISO 10545-2	±0.6%	±0.13% (± 0.4 mm)
Thickness	BS EN ISO 10545-2	±5%	±4.2% (± 0.4 mm)
Straightness of Sides	BS EN ISO 10545-2	±0.5%	±0.06% (± 0.4 mm)
Rectrangularity	BS EN ISO 10545-2	±0.5%	±0.12%
Surface Flatness: Center Curvature	BS EN ISO 10545-2	±0.5%	±0.15%(+ 1.0 mm) ±0.07%(- 0.5 mm)
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	±0.5%	+ 0.17% (+ 1.0 mm) +0.08% (+0.5 mm)
Surface Flatness: Warpage	BS EN ISO 10545-2	±0.5%	- 0.15% (+1.0 mm) - 0.07% (-0.5 mm)
Water Absorption	BS EN ISO 10545-3	E ≤ 0.5%	E ≤0.1%
Breaking Strength	BS EN ISO 10545-4	≥1300 N	≥ 2000 N
Modulus of Rupture	BS EN ISO 10545-4	≥35 N/MM ²	≥ 36 N/MM ²
Resistance to Surface Abrasion	BS EN ISO 10545-7	Manufacture to state abrasion class	PEI Class 2-5
Coefficient of Liner Thermal Expansion	BS EN ISO 10545-8	6 x10 ⁻⁶ K ⁻¹ Max	≤ 6 x10 ⁻⁶ K ⁻¹
Resistance Thermal Shock	BS EN ISO 10545-9	Mini 10 Cycles	10 Cycles
Crazing Resistance	BS EN ISO 10545-11	Mini 4 Cycles 7.5 Bar	4 Cycles Pass
Resistance to household Chemicals & Swimming pool slats	BS EN ISO 10545-13	Minimum Class GB	Class GA
Resistance to low Concentrations acids & Alkalis	BS EN ISO 10545-13	Minimum Class GB	Class GA
Resistance to stains	BS EN ISO 10545-14	Minimum Class 3	Class 5