

## TECHNICAL SPECIFICATION

**NOMINAL SIZE** : 60X90CM  
**THICKNESS** : 20.0MM  
**TYPE OF PRODUCT** : OUTDOOR PORCELAIN TILE (HEAVY DUTY)  
**NATURE OF SURFACE** : R11  
**REF.STANDARD** : INTERNATIONAL STANDARD BS EN 14411:2016 GROUP B I<sub>a</sub>

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	OUR SPECIFICATION FOR PRODUCTION
LENGH	BS EN ISO 10545-2	±0.60%	±0.07% (±0.4MM)
WIDTH	BS EN ISO 10545-2	±0.60%	±0.07%(±0.6MM)
THICKNESS	BS EN ISO 10545-2	±5%	±2.5%(0.5MM)
STRAIGHTNESS OF SIDES	BS EN ISO 10545-2	±0.5%	±0.06%(±0.4MM)
RECTANGULARITY	BS EN ISO 10545-2	±0.5%	±0.12%
SURFACE FLATNESS: CENTRE CURVATURE	BS EN ISO 10545-2	±0.5%	±0.15%(+1.0MM) ±0.07%(-0.5 MM)
SURFACE FLATNESS :EDGE CURVATURE	BS EN ISO 10545-2	±0.5%	+0.17% (+1.0MM) +0.08%(+0.5MM)
SURFACE FLATNESS :WARPAGE	BS EN ISO 10545-2	±0.5%	-0.15%(1.0MM) -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	≥ 4500 N
MODULUS OF RUPTURE	BS EN ISO 10545-4	≥ 35 N/MM <sup>2</sup>	≥ 35 N/MM <sup>2</sup>
RESISTANCE OF SURFACE ABRASION	BS EN ISO 10545-7	MANUFACTURE TO STATE ABRASION CLASS	CLASS -IV
COEFFICIENT OF LINER THERMAL EXPANSION	BS EN ISO 10545-8	$9 \times 10^{-6} K^{-1}$ MAX	$\leq 4 \times 10^{-6} K^{-1}$ MAX
RESISTANCE THERMAL SHOCK	BS EN ISO 10545-9	MINI 10 CYCLES	FULLY RESISTANCE
CRAZING RESISTANCE	BS EN ISO 10545-11	PASS ACCORDING TO EN ISO 10545-1g TWO CYCLE MUST PASS	FULLY RESISTANCE
RESISTANCE TO HOUSE HOLD CHEMICALS & SWIMMING POOL SALTS	BS EN ISO 10545-13	MINIMUM CLASS GC	CLASS GA
RESISTANCE TO LOW CONCENTRATIONS ACIDS & ALKALIS	BS EN ISO 10545-13	MINIMUM CLASS GLC	CLASS GLA
RESISTANCE TO STAINS	BS EN ISO 10545-14	MINIMUM CLASS 3	CLASS 4