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_a

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/MM²	≥ 35 N/MM²
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 X $10^{-6}K^{-1}$ MAX	≤ 4 X $10^{-6}K^{-1}$ 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