

TECHNICAL SPECIFICATION

NOMINAL SIZE : 60X60CM
 THICKNESS : 20.0MM
 TYPE OF PRODUCT : OUTDOOR TILE (HEAVY DUTY)
 NATURE OF SURFACE : FULL-BODY R11
 REF.STANDARD : INTERNATIONAL STANDARD ISO 13006:2015 GROUP B I_a

| TEST DESCRIPTION | STANDARD TEST METHOD | STANDARD REQUIREMENTS | 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%(±0.4MM) |
| THICKNESS | BS EN ISO 10545-2 | ±5% | ±4.0%(0.8MM) |
| 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 :CENTARE 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 ² | ≥ 36 N/MM ² |
| RESISTANCE OF SURFACE ABRASION | BS EN ISO 10545-7 | MANUFACTURE TO STATE ABRASION CLASS | PEI CLASS -V |
| 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 | 10 CYCLES |
| CRAZING RESISTANCE | BS EN ISO 10545-11 | MINI 4 CYCLES AT (750 ±20)Kpa BAR | 4 CYCLES PASS |
| RESISTANCE TO HOUSE HOLD CHEMICALS & SWIMMING POOL SLATS | 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 |

NOMINAL SIZE : 60X90CM
 THICKNESS : 20.0MM
 TYPE OF PRODUCT : OUTDOOR TILE (HEAVY DUTY)
 NATURE OF SURFACE : FULL-BODY R11
 REF.STANDARD : INTERNATIONAL STANDARD ISO 13006:2015 GROUP B I_a

| TEST DESCRIPTION | STANDARD TEST METHOD | STANDARD REQUIREMENTS | 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% | ±4.0%(0.8MM) |
| 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 :CENTARE 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 ² | ≥ 35 N/MM ² |
| RESISTANCE OF SURFACE ABRASION | BS EN ISO 10545-7 | MANUFACTURE TO STATE ABRASION CLASS | PEI CLASS -V |
| 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 | 10 CYCLES |
| CRAZING RESISTANCE | BS EN ISO 10545-11 | MINI 4 CYCLES AT (750 ±20)Kpa BAR | 4 CYCLES PASS |
| RESISTANCE TO HOUSE HOLD CHEMICALS & SWIMMING POOL SLATS | 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 |