



GLAZED PORCELAIN TILES







DESIGN QUALIFYING REPORT

DIGITAL PRINTING MATT WOOD COLLECTION







| | | | |
|-----------------|-------------------|---------------|-------------------------|
| | | 3KC.MA | AMAZONIZ BLUE |
| SIZE | CODE | 6KC.MA | AMAZONIZ BLACK |
| 600X1200 | & NAME | 7KC.MA | AMAZONIZ BROWN |
| | | 8KC.MA | AMAZONIZ NATURAL |

FEATURES

DEMENTION & SURFACE QUALITY

| | Description of the Test | Test Method | International Specification | Royal Porcelain Value |
|---|--|-------------|-----------------------------|-----------------------------|
| 1 |  Length & Width (Average) | ISO 10545.2 | Set by Manufacture | 600 mmX1200 mm (Squared) |
| | Deviation in Length & Width | ISO 10545.2 | ± 0.6 % | Max ± 0.1 % |
| 2 |  Thickness (Average) | ISO 10545.2 | Set by Manufacture | 10.4 mm |
| | Deviation in Thickness | ISO 10545.2 | ± 10 % | Max ± 2.0 % |
| 3 |  Straightness of Sides | ISO 10545.2 | ± 0.5 % (Max 2 mm) | 0.2 % (Max) (1.0 mm) |
| 4 |  Rectangularity | ISO 10545.2 | ± 0.6 % (Max 4 mm) | Rectified (Diagonal ±0.3mm) |
| 5 |  Surface Flatness | ISO 10545.2 | ± 0.5 % (Max 2 mm) | 0.2 % (Max) (1.8 mm) |
| 6 |  Surface Quality | ISO 10545.2 | Min 95 % | Min 95 % |

PHYSICAL PROPERTIES

| | | | | |
|----|--|--------------|------------------------|-----------------------------|
| 7 |  Water Absorption by mass (Average) | ISO 10545.3 | < 0.5 % | < 0.2 % (Max 0.3 %) |
| 8 |  Modulus of Rupture | ISO 10545.4 | > 35 N/mm ² | > 40.0 N/mm ² |
| 9 |  Abrasive Resistance (Maximum) | ISO 10545.6 | Set by Manufacture | Class IV (3000 revolutions) |
| 10 |  Moh's Scale Hardness | EN 101 | Set by Manufacture | 6.5 – 7.5 |
| 11 |  Density | ISO 10545.3 | > 2.0 g/cc | > 2.4 g/c |
| 12 |  Colour Resistance to light | ISO 10545.16 | Resistance | Resistance |

THERMAL PROPERTIES

| | | | | |
|----|---|--------------|--|--|
| 13 |  Thermal Expansion | ISO 10545.8 | < 90.0 X 10 ⁻⁷ °C ⁻¹ | 74.0 X 10 ⁻⁷ °C ⁻¹ |
| 14 |  Moisture Expansion | ISO 10545.10 | Nil | Nil |
| 15 |  Resistance to Thermal Shock | ISO 10545.9 | Min 10 Cycle | Resistant |
| 16 |  Resistance to Crazing | ISO 10545.11 | Min 4 Cycle | Resistant |
| 17 |  Frost Resistance | ISO 10545.12 | Resistance | Resistant |

CHEMICAL PROPERTIES

| | | | | |
|----|--|--------------|---------------|-----------|
| 18 |  Chemical Resistance | ISO 10545.13 | Resistant | Resistant |
| 19 |  Resistance to Stains | ISO 10545.14 | Min Class III | Class V |

RANDOMNESS & DISPLAY OF THE TILES

| | | |
|----|--|--|
| 20 |  Display of Tiles | At least 4 tiles should be properly displayed to express random effect |
|----|--|--|

APPLICATIONS

Product features are with high abrasion resistance and high scratch hardness. As such, it is indicated for flooring semi commercial areas like hotels, bank etc as well as for domestic use (living room, corridors etc). This is also suitable for wet areas (like open veranda etc) since the matt surface is loo tendency to slippery.

| | | | |
|-------------------------------|---------------------|--------------------------|----------|
| Prepared by:- Revision No. | Manager - QA, R & D | Date Date of Revision | 1-Oct-17 |
|-------------------------------|---------------------|--------------------------|----------|