






















|  GLAZED PORCELAIN TILES | | | | | |
|---|---|------------------------------------|--|--|--|
| DESIGN QUALIFYING REPORT | | | | | |
| DIGITAL PRINTING SATIN MATT COLLECTION (WOOD) | | | | | |
| SIZE 600X600 | CODE & NAME | 4BH.SM | BIRCH WOOD RED | | |
| | | 7BH.SM | BIRCH WOOD BROWN | | |
| | | 8BH.SM | BIRCH WOOD COFFEE BROWN | | |
| FEATURES | | | | | |
| Natural wood design in plane satin surface with value added features of glazed porcelain is given different experience to the floor as well as to the wall. The low random decoration is given elegance of simple wood | | | | | |
| 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 mmX600 mm (Squared) |
| | | Deviation in Length & Width | ISO 10545.2 | ± 0.6 % | Max ± 0.05 % |
| 2 |  | Thickness (Average) | ISO 10545.2 | Set by Manufacture | 9.0 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) | 0.3 % (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 % | 0.3 % (Max 0.5 %) |
| 8 |  | Modulus of Rupture | ISO 10545.4 | > 35 N/mm ² | 40.0 N/mm ² |
| 9 |  | Abrasive Resistance (Maximum) | ISO 10545.7 | Set by Manufacture | Class III (1500 revolutions) |
| 10 |  | Moh's Scale Hardness | EN 101 | Set by Manufacture | 6.0 – 6.5 |
| 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 Crazeing | 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 medium abrasion resistance and medium scratch hardness. As such, it is indicated for flooring semi commercial areas like hotels etc as well as for domestic use (living room, corridors etc) . It is not suitable for wet areas (like open veranda etc) since the smooth surface may be slippery. This is not suitable for the floor has direct entrance from the sand floor. | | | | | |
| Prepared by:- | | Manager - QA, R & D | | Date | 1-Jul-16 |
| Revision No. | | 0 | | Date of Revision | |