






















|  <b>GLAZED PORCELAIN TILES</b>  |   |                                    |  |  |  |
|---|---|------------------------------------|--|--|--|
| <b>DESIGN QUALIFYING REPORT</b>   |   |                                    |  |  |  |
| DIGITAL PRINTING MATT COLLECTION (SLATE)  |   |                                    |  |  |  |
| <b>SIZE<br/>600X600</b>   | <b>CODE<br/>&amp;<br/>NAME</b>  | <b>1HM.MA</b>                      | <b>AIRSLATE TALC</b>   |  |  |
|   |   | <b>5HM.MA</b>                      | <b>AIRSLATE GALENA</b>   |  |  |
|   |   | <b>6HM.MA</b>                      | <b>AIRSLATE PYRITE</b>   |  |  |
|   |   | <b>7HM.MA</b>                      | <b>AIRSLATE RAME</b>   |  |  |
| <b>FEATURES</b>   |   |                                    |  |  |  |
| Natural slate design in structured matt surface with value added features of glazed porcelain is given different experience to the floor. The low moderate random decoration is given elegance of natural slate.  |   |                                    |  |  |  |
| <b>DEMENTION &amp; SURFACE QUALITY</b>  |   |                                    |  |  |  |
|   |   | <b>Description of the Test</b>     | <b>Test Method</b>   | <b>International Specification</b>         | <b>Royal Porcelain Value</b>             |
| 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 %                                 |
| <b>PHYSICAL PROPERTIES</b>  |   |                                    |  |  |  |
| 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 <sup>2</sup>                     | 40.0 N/mm <sup>2</sup>                   |
| 9   |  | Abrasive Resistance (Maximum)      | ISO 10545.7  | Set by Manufacture                         | Class IV (2100 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                               |
| <b>THERMAL PROPERTIES</b>   |   |                                    |  |  |  |
| 13  |  | Thermal Expansion                  | ISO 10545.8  | < 90.0 X 10 <sup>-7</sup> °C <sup>-1</sup> | 74.0 X 10 <sup>-7</sup> °C <sup>-1</sup> |
| 14  |  | Moisture Expansion                 | ISO 10545.10   | Nil  | Nil                                      |
| 15  |  | Resistance to Thermal Shock        | ISO 10545.9  | Min 10 Cycle                               | Resistant                                |
| 16  |  | Resistance to Cracking             | ISO 10545.11   | Min 4 Cycle                                | Resistant                                |
| 17  |  | Frost Resistance                   | ISO 10545.12   | Resistance                                 | Resistant                                |
| <b>CHEMICAL PROPERTIES</b>  |   |                                    |  |  |  |
| 18  |  | Chemical Resistance                | ISO 10545.13   | Resistant                                  | Resistant                                |
| 19  |  | Resistance to Stains               | ISO 10545.14   | Min Class III                              | Class V                                  |
| <b>RANDOMNESS &amp; DISPLAY OF THE TILES</b>  |   |                                    |  |  |  |
| 20  |  | Display of Tiles                   | At least 4 tiles should be properly displayed to express random effect |  |  |
| <b>APPLICATIONS</b>   |   |                                    |  |  |  |
| Product features are with good abrasion resistance and good 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 suitable for wet areas also (like open veranda etc) because the matt surface has good resistance to slipperiness |   |                                    |  |  |  |
| <b>Prepared by:-</b>  |   | <b>Manager - QA, R &amp;D</b>      | <b>Date</b>  | <b>1-Sep-16</b>                            |  |
| <b>Revision No.</b>   |   | <b>0</b>                           | <b>Date of Revision</b>  |  |  |