

TECHNICAL SPECIFICATIONS

Digital Ceramic Floor Tiles

| Size | No. of Tiles Per Carton | Covered Area Per Carton | |
|------------|-------------------------|-------------------------|----------------|
| (In mm.) | | (In Sq. Mtr.) | (In Sq. Ft.) |
| 300X300 mm | 10 | 0.90 | 9.69 |

| (3<E<6% Group B IIa) as per IS 15622:2017 | | | | |
|--|----------------------|--|-----------|---------------------------------------|
| Characteristics | Standard Test Method | IS 15622:2017 3<E≤ 6% (Group B IIa) | | OBL Norms |
| Dimension & Surface Quality | IS 13630 Part 1 | Unrectified | Rectified | |
| Deviation in Length & Width | | ± 0.4% | ± 0.1 % | ± 0.1 % |
| Deviation in Thickness | | ± 5.0 % | | ± 4.00 % |
| Straightness of Sides | | ± 0.3 % | ± 0.1 % | ± 0.1 % |
| Rectangularity | | ± 0.3 % | ± 0.1 % | ± 0.1 % |
| Surface Flatness | | ± 0.5 % | | ± 0.2 % 😊😊 |
| Surface Quality | | Min 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of the tile | | Conforms |
| Physical Properties | | | | |
| Water Absorption (%) | IS 13630 Part 2 | Average 3 < E ≤ 6 %, Individual 6.2% Max. | | 3-6% 😊 |
| Modulus of Rupture in [N/mm ²] | IS 13630 Part 6 | Average 22, individual 20, Min. | | Min 30 N/mm ² 😊 |
| Breaking Strength in N | IS 13630 Part 6 | 600 Min for thickness <7.5mm, 1000 Minimum for Thickness ≥7.5 mm | | Min 700 N 😊 |
| Moisture Expansion in mm/m | IS 13630 Part 3 | 0.03, Max | | Conforms |
| Scratch hardness (Moh's Scale) | IS 13630 Part 13 | 4, Min | | Min 4 |
| Resistance to surface abration of glaze tiles Class I to V (Applicable for floor applications only) | IS 13630 Part 11 | Class II, Min | | Class II to IV (Depending on surface) |
| Linear thermal expansion Co-efficient | IS 13630 Part 4 | 9x10 ⁻⁶ max | | Conforms |
| Thermal Shock Resistance | IS 13630 Part 5 | 10 cycles, Min | | Passed |
| Crazing Resistance | IS 13630 Part 9 | 4 Cycles at 7.5 Bar, Min | | Passed 😊😊 |
| Impact Resistance | IS 13630 Part 14 | 0.55, Min | | Min 0.60 |
| Frost Resistance | IS 13630 Part 10 | Required if agreed to between manufacturer and purchaser | | Passed |
| Chemical Properties | | | | |
| Resistance to staining of glazed tiles | IS 13630 Part 8 | Class I, Min | | Min class I |
| Resistance to hosehold chemicals | | Class AA, Min | | Min class AA |
| Resistance to acid and alkalis (Except HF) | | Require If Agreed | | Min class AA |

NOTE: Certain amount of Size and Shade variation is inherent in all ceramic products. Within the limits of printed material, the colors and aesthetics of the products correspond closely to those of illustrated products. Prospective customers are advised to inspect a sample of the tile before ordering and laying. At all points of time, the company liability is restricted to the purchase value of tiles.

Every effort has been made to ensure the accuracy of the information given. However, the company reserves the right to delete & change, any of the items, colors, sizes & technical specifications without any prior notice.