

TECHNICAL SPECIFICATIONS Glazed Vitrified Tiles

| Packing Details | | | |
|----------------------|----------------------------|--|---|
| Size (In mm.) | No. of Tiles Per Carton | Covered Area Per Carton (In Sq. Mtr.) | Covered Area Per Carton (In Sq. Ft.) |
| 800x1600 (West Zone) | 2 | 2.56 | 27.55 |

| Characteristics | Standard as Per ISO-13006 /EN 14411 Group BIA | Mean Value of PGVT | Mean Value of DGVT | Test Method |
|--|---|--------------------|---------------------------|--------------|
| Regulatory Properties | | | | |
| Deviation in Length & Width | ± 0.5 % | ± 0.1 % | ± 0.1 % | |
| Deviation in Thickness | ± 5.0 % | ± 4.0 % | ± 4.0 % | |
| Straightness in Side | ± 0.5 % | ± 0.1 % | ± 0.1 % | ISO-10545-2 |
| Rectangularity | ± 0.6 % | ± 0.1 % | ± 0.1 % | |
| Surface Flatness | ± 0.5 % | ± 0.2 % | ± 0.2 % | |
| Color difference | Unaltered | No change | No change | ISO-10545-16 |
| Glossiness | As per mfg. | Min 90 | Min 10 | Glossometer |
| Surface Mechanical Properties | | | | |
| Water Absorption | < 0.50 % | | < 0.20 % | ISO-10545-3 |
| Apparent Density | > 2.0 g/cc | | > 2.10 g/cc | DIN 51082 |
| Massive Mechanical Properties | | | | |
| Modulus of Rupture | Min. 35 N/mm ² | | Min. 40 N/mm ² | |
| Breaking Strength | Min. 1300 N | | Min. 2000 N | ISO-10545-4 |
| Impact Resistance | As per mfg. | | Min. 0.55 | ISO-10545-5 |
| Surface Mechanical Properties | | | | |
| Surface Abrasion of Resistance | As per mfg. | Min. Class-3 | Min. Class-4 | ISO-10545-7 |
| MOH's Hardness | As per mfg. | Min. 4 | Min. 5 | EN 101 |
| Thermo Hydrimetric Properties | | | | |
| Frost Resistance | No damage | | No damage | ISO-10545-12 |
| Thermal Shock Resistance | No damage | | No damage | ISO-10545-9 |
| Moisture Expansion | Nil | | Nil | ISO-10545-10 |
| Thermal Expansion (COE) | Max. 9.0x10 ⁻⁶ | | Max. 6.5x10 ⁻⁶ | ISO-10545-8 |
| Crazing Resistance | As per mfg. | | Min. 10 Cycle | ISO-10545-11 |
| Chemical Properties | | | | |
| Chemical Resistance | No damage | | No damage | ISO-10545-13 |
| Stain Resistance | Resistant | | Resistant | ISO-10545-14 |
| Safety Properties | | | | |
| Slip Resistance | As per mfg. | | > 0.40 | ISO-10545-17 |
| Fire Resistance | As per mfg. | | Fireproof | N. A. |
| Lead & Cadmium given off by glazed tiles | As per mfg. | | Doesn't yield Pb & Cd | ISO-10545-15 |

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.