

TECHNICAL SPECIFICATIONS

Full Body Vitrified Tiles

Packing Details

Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton	
		(In Sq. Mtr.)	(In Sq. Ft.)
600X600 mm (SKD)	4	1.44	15.50

As per Indian Standard (IS 15622:2017) Group B Ia

Characteristics	Standard Test Method	IS 15622 Requirements	OBL Norms
Dimension & Surface Quality			
Deviation in Size (length & Width)	IS 13630 (Part 1):2006	± 0.1 %	± 0.1 % (Max)
Deviation in thickness		± 5.0 %	± 3.0 % (Max)
Straightness of sides		± 0.1 %	± 0.1 % (Max)
Rectangularity		± 0.1 %	± 0.1 % (Max)
Surface Flatness		± 0.5 %	± 0.2 % (Max) ☺☹
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	Conform
Physical Properties			
Water absorption %	IS 13630 Part 2	Average ≤0.08%, individual 0.10% Max.	Average ≤0.08% ☺
Modulus of rupture N/mm ²	IS 13630 Part 6	Average 35, individual 32 Min.	Min 45 N/mm ² ☺☹
Breaking Strength N	IS 13630 Part 6	700 Min for thickness <7.5mm, 1300 Minimum for Thickness ≥7.5 mm	Min 2000 N ☺☹
Moisture Expansion	IS 13630 Part 3	0.02 Max	Conforms
Scratch hardness (Moh's Scale)	IS 13630 Part 13	5 Min	7 min ☺☹
Resistance to surface abrasion of glaze tiles Class I to V (Applicable for floor applications only)	IS 13630 Part 11	Min II	Class- V ☺
Linear thermal expansion Co-efficient	IS 13630 Part 4	6x10 ⁻⁶ max	6x10 ⁻⁶ max
Thermal Shock Resistance	IS 13630 Part 5	10 Cycle Min	Passed
Impact Resistance	IS 13630 Part 14	0.55, Min	0.75
Coefficient of Friction	ISO 10545 Part 17	Manufacturer to declare value where required	R-11 in pendulum test method.
Frost Resistance	IS 13630 Part 10	Required if agreed to between manufacturer and purchaser	50 cycle passed
Resistance to deep abrasion of unglazed tiles	IS 13630 Part 12	140, Max	Class AA
Bulk density g/cc	IS 13630 Part 2	2.2, Min	2.2, Min
Chemical Properties			
Resistance to Staining of Glazed Tiles	IS:13630 Part 8	Class 1 Min	Class 1
Resistance to Household Chemicals		Class AA	Class AA
Resistance to Acids and Alkalis (with exception of hydrofluoric acid and its compound)		Class AA	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.

