

TECHNICAL SPECIFICATIONS

Ceramic Tiles

Packing Details

Size	No. of Tiles	Covered Area Per Carton
(In mm.)	Per Carton	(In Sq. Mtr.)
395x395	6	0.94
		(In Sq. Ft.)
		10.08

As Per Indian Standards (IS 15622:2017) Group B IIa

Characteristics	Testing Methods	Required as per IS 15622:2017 3 < E ≤ 6 % (Group B II a)	OBL Norms
Dimension & Surface Quality			
Deviation in Length & Width		Unrectified ± 0.4 %	Conforms
Deviation in Thickness		Rectified ± 0.1 %	±4.0%
Straightness of Sides		± 5.0 %	Conforms
Rectangularity	IS 13630 Part 1/ ISO 10545-2	± 0.1 %	Conforms
Surface Flatness		± 0.1 %	Conforms
Surface Quality		± 0.5 %	± 0.3 %
Physical Properties		Min. 95 % tiles should be free from visible defects	Conforms
Water Absorption	IS 13630 Part 2/ ISO 10545-3	Avg 3 < E ≤ 6, Individual Max,6.2	5-6%
Modulus of Rupture in [N/mm ²]		Avg 22, Individual 20, Min	>28
Breaking Strength in N	IS 13630 Part 6/ ISO 10545-4	< 7.5 mm thickness: 600, Min ≥ 7.5 mm thickness: 1000, Min	>1000
Moisture Expansion in mm/m	IS 13630 Part 3	0.03, Max	0.02
Scratch Hardness of Surface (Mohs)	IS 13630 Part 13	4, Min	Min 5
Resistance to Surface Abrasion of glazed tiles (Class I to V)	IS 13630 Part 11/ ISO 10545-7	Class II, Min	PEI Class 3-5 (depending on surface)
Co-efficient of Linear Thermal Expansion from ambient temperature to 100°C	IS 13630 Part 4/ ISO 10545-8	9x10 ⁻⁴ K ⁻¹ ,Max	Conforms
Thermal Shock Resistance	IS 13630 Part 5	10 cycles, Min	Passed
Crazing Resistance	IS 13630 Part 9/ ISO 10545-9	4 Cycles@7.5 bar, Min	Passed
Frost Resistance	IS 13630 Part 10	Required, if agreed	NA
Impact resistance- Coefficient of restitution	IS 13630 Part 14	0.55, Min	Conforms
Chemical Properties			
Stain Resistance		Class I, Min	Conforms
Resistance to household chemicals		Class AA, Min	Conforms
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)	IS 13630 Part 8/ ISO 10545-13 and ISO 10545-14	Required, 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.