

TECHNICAL SPECIFICATIONS

Ceramic Tiles

Packing Details			
Size	No. of Tiles	Covered Area Per Carton	
(In mm.)	Per Carton	(In Sq. Mtr.)	(In Sq. Ft.)
600x600 (Dora)	4	1.44	15.5
395x395 (Dora)	6	0.94	10.08
300x300 (Dora)	12	1.08	11.62

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	IS 13630 Part 1 / ISO 10545-2	Unrectified	Rectified	
Deviation in Length & Width		± 0.4 %	± 0.1 %	Conforms
Deviation in Thickness		± 5.0 %		±4.0%
Straightness of Sides		± 0.3 %	± 0.1 %	Conforms
Rectangularity		± 0.3 %	± 0.1 %	Conforms
Surface Flatness		± 0.5 %		± 0.3 % 😊😊
Surface Quality		Min. 95 % tiles should be free from visible defects		Conforms
Physical Properties				
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]	IS 13630 Part 6/ ISO 10545-4	Avg 22, Individual 20, Min		>28 😊😊
Breaking Strength in N		< 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 ⁻⁶ 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	IS 13630 Part 8/ ISO 10545-13 and ISO 10545-14	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)		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.