

TECHNICAL SPECIFICATIONS Ceramic Tiles

Packing Details		
Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton (In Sq. Mtr.)
300X600 (Wall Tiles)	5	0.90
300X450 (Wall Tiles)	6	0.81
250X375 (Wall Tiles)	8	0.75
200X300 (Wall Tiles)	15	0.90
300X300 (Floor Tiles)	9	0.81

(E > 10 % Group B III) as per IS 15622:2017				
Characteristics	Standard Test Method	IS 15622:2017 E > 10 % (Group B III)		OBL Norms
		Unrectified	Rectified	
Dimension & Surface Quality				
Deviation in Length & Width	IS 13630 (Part 1):2017	± 0.4%	± 0.2 %	Conforms
Deviation in Thickness		± 5.0 %		± 4.00 %
Straightness of Sides		± 0.2 %	± 0.15 %	Conforms
Rectangularity		± 0.3 %	± 0.2 %	Conforms
Surface Flatness		± 0.3 %		± 0.20 % 😊😊
Surface Quality		Min. 95 % tiles should be free from visible defects		Min. 95 % tiles should be free from visible defects 😊
Physical Properties				
Water Absorption (%)	IS 13630 (Part 2):2017	Average > 10 %		17±2 % 😊
Modulus of Rupture in [N/mm ²]	IS 13630 (Part 6):2017	Min 15, for thickness < 7.5 mm Min 12, for thickness ≥ 7.5 mm		>15 😊
Breaking Strength in N		< 7.5 mm thickness: 200, Min ≥ 7.5 mm thickness: 600, Min		Conforms 😊
Moisture Expansion in mm/m	IS 13630 (Part 3):2017	0.04, Max		Conforms
Scratch Hardness of Surface (Moh's Scale)	IS 13630 (Part 13):2017	3, Min		3
Resistance to Surface Abrasion of glazed tiles (Class I to V)	IS 13630 (Part 11):2017	Class II, Min		Conforms
Co-efficient of Linear Thermal Expansion from ambient temperature to 100°C	IS 13630 (Part 4):2017	9x10 ⁻⁶ K ⁻¹ , Max		Conforms
Thermal Shock Resistance	IS 13630 (Part 5):2017	10 cycles, Min		Passed 10 Cycle
Crazing Resistance Glazed Tiles	IS 13630 (Part 9):2017	4 Cycles@7.5 bar, Min		4 Cycle Passed 😊😊
Impact Resistance- Coefficient of Restitution	IS 13630 (Part 14):2017	0.55, Min		>0.55
Chemical Properties				
Resistance to staining of glazed tiles	IS 13630 (Part 8):2017	Class I, Min		Conforms
Resistance to household chemicals		Class AA, Min		Conforms
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compound)		Required, if agreed		Class AA

NOTE: Certain amount of Size and Shade variation is inherent in all ceramic products. Colours shown in this catalog are as accurate as the limitations of the printing process will allow. Prospective customers are advised to inspect a sample of the tile before ordering. Every effort has been made to ensure the accuracy of the information given. However, the company reserves the right to change the specification before prior notice. Sometimes variations in shade or size being inherent to ceramic industry may occur. It is suggested to check the tiles before purchasing and laying as the company does not accept the responsibility once the tiles are laid.