

TECHNICAL SPECIFICATIONS Digital Ceramic Tiles

Packing Details			
Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton	
		(In Sq. Mtr.)	(In Sq. Ft.)
300X600 (Digital & Elevation Wall Tiles)	6	1.08	11.63
300X450 (Digital & Elevation Wall Tiles)	6	0.81	8.716
250X375 (Digital & Elevation Wall Tiles)	8	0.75	8.07
300X300 Rectified	12	1.08	11.63

(E > 10 % Group B III) as per IS 15622:2017				
Characteristics	Standard Test Method	IS 15622:2017 E > 10 % (Group B III)		OBL Norms
Dimension & Surface Quality		Unrectified	Rectified	
Deviation in Length & Width	IS 13630 (Part 1):2006	± 0.4%	± 0.2 %	Conforms
Deviation in Thickness		± 5.0 %		± 3.00 %
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 shall be free from visible defects		Min. 95 % tiles shall be free from visible defects
Physical Properties				
Water Absorption (%)	IS 13630 (Part 2):2006	Average > 10 %		15±2 % 😊
Modulus of Rupture in [N/mm ²]	IS 13630 (Part 6):2006	Min 15, for thickness < 7.5 mm Min 12, for thickness ≥ 7.5 mm		>15 😊
Breaking Strength in N	IS 13630 (Part 6):2006	< 7.5 mm thickness: 200, Min ≥ 7.5 mm thickness: 600, Min		Conforms 😊
Moisture Expansion in mm/m	IS 13630 (Part 3):2006	0.04, Max		Conforms
Scratch Hardness of Surface (Moh's Scale)	IS 13630 (Part 13):2006	3, Min		>3
Resistance to Surface Abrasion of Glazed Tiles (Class I to V)	IS 13630 (Part 11):2006	Class II, Min		Conforms
Co-efficient of Linear Thermal Expansion from Ambient Temperature to 100°C	IS 13630 (Part 4):2006	9x10 ⁻⁶ K ⁻¹ , Max		Conforms
Thermal Shock Resistance	IS 13630 (Part 5):2006	10 cycles, Min		Passed 10 Cycle
Crazing Resistance Glazed Tiles	IS 13630 (Part 9):2006	4 Cycles@7.5 bar, Min		4 Cycle Passed 😊😊
Impact Resistance- Coefficient of Restitution	IS 13630 (Part 14):2006	0.55, Min		>0.55
Chemical Properties				
Resistance to Staining of Glazed Tiles	IS 13630 (Part 8):2006	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		Resistant