

Packing Details		
Size	No. of Tiles	Covered Area Per Carton
(In mm.)	Per Carton	(In Sq. Mtr.)
400x400	5	0.8
		(In Sq. Ft.)
		8.61

Characteristics	Standard as Per IS 15622:2017 Group B Ib	OBL Actual Value	Testing Methods
Dimension & Surface Quality			
Deviation in Length & Width	± 0.1 %	±0.1%	
Deviation in Thickness	± 5.0 %	±4.0%	
Straightness of Sides	± 0.1 %	±0.1%	
Rectangularity	± 0.1 %	±0.1%	IS 13630 Part 1
Surface Flatness	± 0.5 %	± 0.4 %	
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	Conforms	
Physical Properties			
Water Absorption %	Average 3.0 < E ≤6.0%, individual 6.2% Max.	4.5% Max	IS 13630 Part 2
Modulus of Rupture in N/mm ²	Avg 22, Individual 20 Min	40.0 Max	
Breaking Strength N	600 Min for thickness < 7.5mm, 1000 Min for thickness ≥ 7.5 mm	Avg 2350	IS 13630 Part 6
Moisture Expansion	0.02 Max	0.02 Max	IS 13630 Part 3
Scratch Hardness (Moh's Scale)	5 Min	7 - 8 depends upon Design/surface	IS 13630 Part 13
Resistance to Surface Abrasion of glazed tiles Class I to V (Applicable for floor applications only)	Class II Min	Class IV to V	IS 13630 Part 11
Linear thermal expansion Co-efficient	7 x 10 ⁻⁶ max	Conforms	IS 13630 Part 4
Thermal Shock Resistance	10 Cycles, Min	Passed	IS 13630 Part 5
Crazing Resistance	4 Cycles at 7.5 Bar, Min	Passed	IS 13630 Part 9
Impact Resistance	0.55, Min	>0.55	IS 13630 Part 14
Coefficient of Friction	Manufacturer to declare value where required	R12	
Frost Resistance	Required if agreed to between manufacturer and purchaser	Conforms	IS 13630 Part 10
Bulk density g/cc	2.0, Min	>2.1	IS 13630 Part 2
Chemical Properties			
Stain Resistance Glazed tiles	Class I, Min	Class - I	
Resistance to household chemicals	Class AA, Min	Class AA	IS 13630 Part 8
Resistance to acids and alkalis	Class AA, Min	Class AA	