

TECHNICAL SPECIFICATIONS Valencica Tiles

Packing Details

Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton	
		(In Sq. Mtr.)	(In Sq. Ft.)
600X600	4	1.44	15.5

Characteristics	Standard as per IS 15622:2017 Group B Ib	OBL Actual Value	Test Method
Dimension & Surface Quality:			
Deviation in Size (Length & Width)	± 0.1 %	± 0.1 % ☺☺	IS 13630 (Part 1)
Deviation in Thickness	± 5.0 %	± 3.0 %	IS 13630 (Part 1)
Straightness of Sides	± 0.1 %	± 0.1 %	IS 13630 (Part 1)
Rectangularity	± 0.1 %	± 0.1 %	IS 13630 (Part 1)
Surface Flatness	± 5.0 %	± 0.2 % ☺☺	IS 13630 (Part 1)
Surface Quality	Min. 95 % of the tiles shall be free from visible defects that would impair the appearance of major area of the tile	Conforms ☺	IS 13630 (Part 1)
Physical Properties:			
Water Absorption %	Avg 0.08<E ≤ 3.0 %, Individual 3.30 % Max	2% Max	IS 13630 (Part 2)
Modulus of Rupture [N/mm ²]	Avg 30, Individual 27 Min	AV>31.0, Min 30 N/mm ² ☺	IS 13630 (Part 6)
Breaking Strength N	700 min for thickness < 7.5 mm, 1100 min for thickness ≥ 7.5 mm	>1300 ☺	IS 13630 (Part 6)
Moisture Expansion	0.02 Max	0.02 Max	IS 13630 (Part 3)
Scratch Hardness (Moh's Scale)	5 Min	5-8 depends upon Design/Surface	IS 13630 (Part 13)
Resistance to Surface Abrasion of Glaze Tiles Class I to V (Applicable for floor applications only)	Class II, Min	Class III to V	IS 13630 (Part 11)
Linear thermal expansion Co-efficient	7×10 ⁻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)
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:			
Resistance to staining of Glazed Tiles	Class I, Min	Conforms	IS 13630 (Part 8)
Resistance to Household Chemicals except (HF and its compounds)	Class AA, Min	Conforms	IS 13630 (Part 8)
Resistance to acids and alkalis except (HF and its compounds)	Required, if agreed	Conforms	IS 13630 (Part 8)

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.

Application Areas

