

# TECHNICAL SPECIFICATIONS Full Body & Glazed Vitrified Tiles

Packing Details			
Size ( In mm. )	No. of Tiles Per Carton	Covered Area Per Carton ( In Sq. Mtr. )	Covered Area Per Carton ( In Sq. Ft. )
800x2400 (West zone)	1	1.92	20.67
Characteristics			
Standard as Per ISO-13006 /EN 14411 Group		OBL Values	TEST METHOD
Regulatory Properties			
Deviation in Length & Width	0.50 %	0.20 %	ISO - 10545-2
Deviation in Thickness	0.50 %	0.50 %	ISO - 10545-2
Straightness in Side	0.50 %	0.20 %	ISO - 10545-2
Rectangularity	0.50 %	0.20 %	ISO - 10545-2
Surface Flatness	0.50 %	0.20 %	ISO - 10545-2
Color difference	Unaltered	No Change	ISO - 10545-16
Glossiness	As per mfg.	>90%	Glossmeter
Surface Mechanical Properties			
Water Absorption	< 0.50 %	< 0.50 %	ISO - 10545-3
Apparent Density	> 2.00 g/cc	> 2.10 g/cc	DIN 51082
Massive Mechanical Properties			
Modulus of Rupture	Min. 35 N/mm <sup>2</sup>	Min. 42 N/mm <sup>2</sup>	ISO - 10545-4
Breaking Strength	Min. 1300 N	Min. 2800 N	ISO - 10545-4
Impact Resistance	As per mfg.	Min. 0.75	ISO - 10545-5
Surface Mechanical Properties			
Surface Abrasion of Resistance	As per mfg.	Min. Class 3	ISO - 10545-7
MOH's Hardness	As per mfg.	Min. Class 4	EN 101
Thermo Hydrometric Properties			
Frost Resistance	No damage	No damage	ISO - 10545-12
Thermal Shock Resistance	No damage	No damage	ISO - 10545-09
Moisture Expansion	Nil	Nil	ISO - 10545-10
Thermal Expansion ( COE )	Max. 9.0x10 <sup>-6</sup>	Max. 6.5x10 <sup>-6</sup>	ISO - 10545-08
Crazing Resistance	As per mfg.	Min 10 Cycle	ISO - 10545-11
Chemical Properties			
Chemical Resistance	No damage	No damage	ISO - 10545-13
Stain Resistance	Resistant	Resistant	ISO - 10545-14
Safety Properties			
Slip Resistance	As per mfg.	>0.40	ISO - 10545-17
Fire Resistance	As per mfg.	Fire Proof	N.A.

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.