

## Technical Specification

Sr. No	Characteristics	Method of Testing	Vitrified Tiles ISO 13006 / EN 176 Group Bla	Values
<b>A</b>	<b>Dimension &amp; Surface Quality</b>			
1	Deviation in Length & Width	ISO 10545-2	+ / - 0.5%	+ / - 0.1%
2	Deviation in Thickness	ISO 10545-2	+ / - 5.0%	+ / -2.0%
3	Straightness of Sides	ISO 10545-2	+ / - 0.5%	+ / - 0.1%
4	Rectangularity	ISO 10545-2	+ / - 0.5 %	+ / - 0.1%
5	Surface Flatness	ISO 10545-2	+ / - 0.5%	+ / - 0.2%
6	Color Differences	ISO 10545-16	Unaltered	No Change
7	Surface Coating	Nano Machine	As Per Manufacturer Norms	Nano Polished
<b>B</b>	<b>Physical Properties</b>			
1	Water Absorption	ISO 10545-3	< 0.5%	0.08%
2	Flexural Strength ( MOR )	ISO 10545-4	> 27 N / mm <sup>2</sup>	> 30 N / mm <sup>2</sup>
3	Mohs Hardness	EN 101	Min 6	6 Mohs
4	Flexural Breaking Strength	ISO 10545-4	> 1113 N	2350 N
5	Bulk Density ( Gm / cc )	DIN 51082	>2 gm/cc	2.35 gm/cc
6	Glossiness	Glossometer	As Per Manufacturer Norms	Min 85 % reflection
7	Slip Resistance Coefficient of Friction	ISO 10545-17	> 0.4	> 0.6
8	Crazing Resistance	ISO 10545-11	Min 4 Cycle @ 7.5 Bar	Passes 4 Cycle
9	Resistance Of Surface Abrasion	ISO 10545-6	As Per Manufacturer Norms	> PEI I V
<b>C</b>	<b>Chemical Properties</b>			
1	Staining Resistance	ISO 10545-14	Resistant	Resistant
2	Household Chemicals	ISO 10545-13	No Damage	No Damage
<b>D</b>	<b>Thermal Properties</b>			
1	Thermal Shock Resistance	ISO 10545-9	No Damage	No Damage
2	Thermal Expansion	ISO 10545-10	9 x 10 <sup>-6</sup> max	6 x 10 <sup>-6</sup>
3	Moisture Expansion	ISO 10545 - 10	Nil	Nil