

## Technical Specifications

Sr.No.	Characteristics	Standard As Per ISO 13006:2018/EN14411 Group Bia	Standard As Per IS 15622:2017	Value Of Dakshinamurti	Test Method
<b>A. Dimension And Surface Quality</b>					
01	Deviation in Length & Width	± 0.30%	± 0.10%	± 0.10%	ISO 10545-2 / IS13630 - 1
02	Deviation in Thickness	± 5.00%	± 5.00%	± 2.00%	ISO 10545-2 / IS13630 - 1
03	Straightness of Sides	± 0.30%	± 0.10%	± 0.10%	ISO 10545-2 / IS13630 - 1
04	Rectangularity	± 0.30%	± 0.10%	± 0.10%	ISO 10545-2 / IS13630 - 1
05	Surface Quality	MIN. 95% OF THE TILES SHALL BE FREE FROM VISIBLE DEFECTS THAT WOULD IMPAIR THE APPEARANCE OF A MAJOR AREA OF THE TILES	MIN. 95% OF THE TILES SHALL BE FREE FROM VISIBLE DEFECTS THAT WOULD IMPAIR THE APPEARANCE OF A MAJOR AREA OF THE TILES	>95% OF THE TILES FREE FROM VISIBLE DEFECTS	ISO 10545-2 / IS13630 - 1
06	Surface Flatness (Center and Edge curvature)	± 0.40%	± 0.50%	± 0.10%	ISO 10545-2 / IS13630 - 1
07	Glossiness	AS PER MANUFACTURER	AS PER MANUFACTURER	MIN. 70%	GLOSSOMETER
<b>B. Structural Properties</b>					
08	Water Absorption	≤ 0.50%	≤ 0.080%	≤ 0.05%	ISO 10545-3 / IS13630 - 2
09	Modulus Of Rupture	MIN. 35 N/mm <sup>2</sup>	MIN. 35 N/mm <sup>2</sup>	MIN. 35 N/mm <sup>2</sup>	ISO 10545-4 / IS13630 - 6
10	Breaking Strength	MIN. 1300 N	MIN. 1300 N	MIN. 1300 N	ISO 10545-4 / IS13630 - 6
11	Impact Resistance (COR)	MIN. 0.55	MIN. 0.55	0.75	ISO 10545-5 / IS13630 - 14
12	Surface Abrasion Resistance	REPORT ABRASION CLASS AND CYCLES PASSED	MIN. CLASS 2	MIN. CLASS 2	ISO 10545-6 / IS13630 - 11
13	Co-efficient of Linear Thermal Expansion	AS PER MANUFACTURER	MAX. 6.00x10 <sup>-6</sup>	MAX. 6.00x10 <sup>-6</sup>	ISO 10545-8 / IS13630 - 4
14	Thermal Shock Resistance	MIN. 10 CYCLES	MIN. 10 CYCLES	RESISTANT	ISO 10545-9 / IS13630 - 5
15	Crazing Resistance	REPORT VALUES	MIN. 4 CYCLES AT 7.5 BAR	RESISTANT	ISO 10545-9 / IS13630 - 9
16	Moisture Expansion	MAX. 0.06 MM/M	MAX. 0.02 MM/M	MAX. 0.02 MM/M	ISO 10545-10 / IS13630 - 3
17	Frost Resistance	AS PER MANUFACTURER	AS PER MANUFACTURER	FROST PROOF	ISO 10545-12 / IS13630 - 10
18	Scratch Hardness of Surface (MOH's scale)	MIN. 6	MIN. 5	MIN. 5	IS13630 - 13
<b>C. Chemical Properties</b>					
19	Resistance to Household Chemicals	MIN. CLASS B	MIN. CLASS AA	MIN. CLASS B/ CLASS AA	ISO 10545-13/ IS13630 - 8
20	Resistance to Acids and Alkalis	AS PER MANUFACTURER	AS PER MANUFACTURER	RESISTANT	ISO 10545-13/ IS13630 - 8
21	Resistance to Stains	MIN. CLASS 3	MIN. CLASS 1	MIN. CLASS 3/ CLASS 1	ISO 10545-14/ IS13630 - 8
<b>Packaging Details</b>					
<b>Size</b>	<b>Pieces Per Box</b>	<b>Sqm/Sq Ft. Per Box</b>			
600x1200mm	2 Pieces	1.44 Sqm/ 15.5 Sq Ft.			