



# GEO

## TECHNICAL SPECIFICATION

### 300X600MM – GLAZED VITRIFIED TILES (POLISH & MATT FINISH)

SR NO	CHARACTERISTIC	TEST METHOD	STD AS PER ISO13006:2018 Group B la Annex G	MANUFACTURER VALUE
<b>DIMENSION AND SURFACE QUALITY</b>				
1	DEVIATION IN LENGTH AND WIDTH	ISO 10545-2	±0.30%	±0.20%
2	DEVIATION IN THICKNESS	ISO 10545-2	±5.00%	±4.00%
3	STRAIGHTNESS IN SIDE	ISO 10545-2	±0.30%	±0.20%
4	RECTANGULARITY	ISO 10545-2	±0.30%	±0.20%
5	SURFACE FLATNESS	ISO 10545-2	±0.40%	±0.30%
6	SURFACE QUALITY	ISO 10545-2	MIN.95% OF TILES SHALL BE FREE FROM VISIBLE DEFECT	MIN.95% OF TILES SHALL BE FREE FROM VISIBLE DEFECT
<b>PHYSICAL PROPERTIES</b>				
7	WATER ABSORPTION	ISO 10545-2	≤ 0.5%	≤ 0.05%
8	BREAKING STRENGTH THICKNESS	ISO10545-4	MIN.1300.0 N	MIN.1300.0 N
9	MODULUS OF RUPTURE	ISO10545-4	MIN.35.0 N/mm <sup>2</sup>	MIN.35.0 N/mm <sup>2</sup>
10	PEI	ISO10545-7	AS PER MFG.	CLASS-IV PASS
11	COEFFICIENT OF LINEAR THERMAL EXPANTION AT 100 C	ISO10545-8	TEST METHOD AVAILABLE	5.50X10 <sup>-6</sup> MAX.
12	THERMAL SHOCK RESISTANCE	ISO10545-9	TEST METHOD AVAILABLE	FULLY RESISTANCE
13	CRAZING RESISTANCE AT 7.5.BAR	ISO10545-11	REQUIRED	FULLY RESISTANCE
14	MOISTURE EXPANSION	ISO10545-10	TEST METHOD AVAILABLE	0.01 mm/m
15	IMPACT RESISTANCE(COR)	ISO10545-05	TEST METHOD AVAILABLE	0.68
<b>CHEMICAL PROPERTIES</b>				
16	RESISTANCE TO STAIN	ISO10545-14	MIN. CLASS 3	MIN. CLASS 3
17	RESISTANCE TO HOUSEHOLD CHEMICALS & SWIMMING POOL SALTS GLAZED	ISO10545-13	MINIMUM CLASS B	MINIMUM CLASS B
18	RESISTANCE TO LOW CONCENTRATION OF ACID AND ALKALI	ISO10545-13	MANUFACTURER TO STATE CLASSIFICATION	GLA
19	RESISTANCE TO HIGH CONCENTRATION OF ACID AND ALKALI	ISO10545-13	TEST METHOD AVAILABLE	GHA

\* MANUFACTURER VALUE which we try to maintain however actual value may be differ upto as per ISO13006:2018 GR.B la