

SR.	CHARACTERISTIC	REQUIREMENT ISO-13006/EN14411 GROUP BIA	MEGA TILE VALUE	TESTING METHOD
REGULATORY PROPERTIES				
1	Deviation in Length & Width	±0.3%	±0.3%	0.03%
2	Deviation in Thickness	± 5%	± 5%	1.053% (For thickness 9.00mm)
3	Streightness in Side	± 0.3%	± 0.2%	0.07%
4	Rectangularity	± 0.3%	± 0.2%	0.07%
5	Surface flatness	± 0.4%	± 0.4%	0.04%
PHYSICAL PROPERTIES				
1	Water Absorption	≥10%	10-20%	18.00%
2	Modulus of Rupture	MIN. 12 N/mm2 (For thickness ≥7.5mm)	MIN. 12 N/mm2 (For thickness ≥7.5mm)	Avg. 15.55 N/mm2 (For thickness 9.00mm)
3	Breaking Strength	Min 600N	Min 600N	Avg.900 N
4	Thermal Shock	10 cycles MIN	10 cycles MIN	10 cycles Pass
5	Moisture Expansion	Max. 0.6 mm/m	Max. 0.6 mm/m	0.030 mm/m
6	Crazing resistance	Min. 02 Cycle	Min. 04 Cycle	04 Cycle Pass
CHEMICAL PROPERTIES				
1	Chemical Resistance	Resistance to all alkalies (except Hydro flouric acid and its compounds)	Resistance to all alkalies (except Hydroflouric acid and its compounds)	Resistance to all alkalies (except Hydroflouric acid and its compounds)
2	Stain Resistance	Min Class 3	Min Class 3	Class 5

Note : Above standards covered only for premium grade product