

GLAZED VITRIFIED TILES

800x1600 mm | 800x1200 mm | 800x800 mm



SR.	CHARACTERISTIC	REQUIREMENT ISO-13006/EN14411 GROUP BIA	MEGA TILE VALUE	TESTING METHOD
REGULATORY PROPERTIES				
1	Deviation in length & width	±0.5 %	±0.1 %	ISO-10545-2
2	Deviation in thickness	±5.0 %	±4.0 %	ISO-10545-2
3	Straightness in side	±0.5 %	±0.1 %	ISO-10545-2
4	Rectangularity	±0.6 %	±0.1 %	ISO-10545-2
5	Surface flatness	±0.5 %	±0.2 %	ISO-10545-2
6	Color difference	Unaltered	No change	ISO-10545-16
7	Glossiness	As per mfg.	Min. 90%	GLOSSOMETER
SURFACE MECHANICAL PROPERTIES				
1	Water absorption	<0.50 %	< 0.05 %	ISO-10545-3
2	Apparent density	2.0 g/cc	2.10 g/cc	DIN 51082
MASSIVE MECHANICAL PROPERTIES				
1	Modulus of rupture	Min. 35 N/mm ²	Min. 40 N/mm ²	ISO-10545-4
2	Breaking strength	Min. 1300 N	Min. 2000 N	ISO-10545-4
3	Impact resistance	's per mfg.	Min. 0.55	ISO-10545-5
SURFACE MECHANICAL PROPERTIES				
1	Surface abrasion resistance	's per mfg.	Min. Class-3	ISO-10545-7
2	MOH's hardness	's per mfg.	Min. 4	EN 101

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THERMO HYGROMETRIC PROPERTIES				
1	Frost resistance	No damage	No damage	ISO-10545-12
2	Thermal shock resistance	No damage	No damage	ISO-10545-9
3	Moisture expansion	Nill	Nill	ISO-10545-10
4	Thermal expansion (COE)	Max. 9.0×10 ⁶	Max. 6.5×10 ⁻⁶	ISO-10545-8
5	Crazing Resistance	's per mfg.	Min. 10 Cycle	ISO-10545-11
CHEMICAL PROPERTIES				
1	Chemical resistance	No damage	No damage	ISO-10545-13
2	Stain resistance	Resistant	Resistant	ISO-10545-14
SAFETY PROPERTIES				
1	Slip resistance	's per mfg.	0.40	ISO-10545-17
2	Fire resistance	's per mfg.	Fireproof	N. A.
3	Lead & Cadmium given off by glazed tiles	's per mfg.	Doesn't yield Pb & Cd	ISO-10545-15