



TITANIUM®

DECLARATION

We do hereby declare that Elevation Tile of nominal dimension i.e. 300x600mm manufactured by TITANIUM VITRIFIED PVT. LTD. conform the following specifications.

TECHNICAL SPECIFICATIONS

CHARACTERISTIC	STANDARD AS PER ISO-13006/EN14411 GROUP Bla	OUR VALUE	TEST METHOD
REGULATORY PROPERTIES			
Deviation in length & width	± 0.5 %	± 0.2 %	ISO-10545-2
Deviation in thickness	± 5.0 %	± 4.0 %	ISO-10545-2
Straightness in side	± 0.5 %	± 0.2 %	ISO-10545-2
Rectangularity	± 0.5 %	± 0.2 %	ISO-10545-2
Surface flatness	± 0.5 %	± 0.2 %	ISO-10545-2
Color difference	Unaltered	No change	ISO-10545-16
STRUCTURAL PROPERTIES			
Water absorption	< 0.50 %	< 0.1 %	ISO-10545-3
Apparent density	> 2.0 g/cc	> 2.1 g/cc	DIN 51082
MASSIVE MECHANICAL PROPERTIES			
Modulus of rupture	Min. 35 N/mm ²	Min. 40 N/mm ²	ISO-10545-4
Breaking strength	Min. 1300 N	> 1300 N	ISO-10545-4
SURFACE MECHANICAL PROPERTIES			
Surface abrasion resistance	As per mfg	Min. class-3	ISO-10545-7
MOH's hardness	As per mfg	Min. 6	EN 101
THERMO HYGROMETRIC PROPERTIES			
Frost resistance	No damage	No damage	ISO-10545-12
Thermal shock resistance	No damage	No damage	ISO-10545-9
Moisture expansion	Nil	Nil	ISO-10545-10
Thermal expansion (COE)	Max. 9.0 x 10 ⁻⁶	Max. 6.5 x 10 ⁻⁶	ISO-10545-8
Crazing resistance	As per mfg	Min. 4 cycle	ISO-10545-11
CHEMICAL PROPERTIES			
Chemical resistance	No damage	No damage	ISO-10545-13
Stain resistance	Resistant	Resistant	ISO-10545-14
SAFETY PROPERTIES			
Slip resistance	As per mfg	> 0.40	ISO-10545-17
Fire resistance	As per mfg	Fireproof	N. A.

Tile Size	Tiles Per Box	Coverage Area (approx)	Wt. Kgs. (approx)
300x600mm	6 Pcs.	1.08 Sq. Mtr.	21.00 Kg.

For, TITANIUM VITRIFIED PVT. LTD.

Authorised Signatory

