

## TECHNICAL SPECIFICATION OF DOUBLE CHARGE VITRIFIED TILES

CHARACTERISTIC	STANDARD AS PER ISO-13006/EN14411 GROUP BIa	MEAN VALUE OF CRESTONA DOUBLE CHARGE	TEST METHOD
<b>REGULATORY PROPERTIES</b>			
Deviation in length & width	±0.5 %	±0.1 %	ISO-10545-2
Deviation in thickness	±5.0 %	±4.0 %	ISO-10545-2
Straightness in side	±0.5 %	±0.1 %	ISO-10545-2
Rectangularity	±0.5 %	±0.1 %	ISO-10545-2
Surface flatness	±0.5 %	±0.2 %	ISO-10545-2
Color difference	Unaltered	No change	ISO-10545-16
Glossiness	As per mfg	Min 90%	GLOSSOMETER
<b>STRUCTURAL PROPERTIES</b>			
Water absorption	< 0.50 %	< 0.05 %	ISO-10545-3
Apparent density	> 2.0 g/cc	> 2.10 g/cc	DIN 51082
<b>MASSIVE MECHANICAL PROPERTIES</b>			
Modulus of rupture	Min. 35 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	ISO-10545-4
Breaking strength	Min. 1300 N	Min. 2000 N	ISO-10545-4
Impact resistance	As per mfg.	Min. 0.55	ISO-10545-5
<b>SURFACE MECHANICAL PROPERTIES</b>			
Surface abrasion resistance	As per mfg	Min. Class-3	ISO-10545-7
MOH's hardness	As per mfg	Min. 4	EN 101
<b>THERMO HYGROMETRIC PROPERTIES</b>			
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 <sup>-6</sup>	Max. 6.5 x 10 <sup>-6</sup>	ISO-10545-8
Crazing resistance	As per mfg	Min. 10 Cycle	ISO-10545-11
<b>CHEMICAL PROPERTIES</b>			
Chemical resistance	No damage	No damage	ISO-10545-13
Stain resistance	Resistant	Resistant	ISO-10545-14
<b>SAFETY PROPERTIES</b>			
Slip resistance	As per mfg	> 0.40	ISO-10545-17
Fire resistance	As per mfg	Fireproof	N. A.
Lead & Cadmium given off by glazed tiles	As per mfg	Does not yield Pb & Cd	ISO-10545-15

## PACKING DETAIL

Size	Thickness	No. of Tiles/Box	Coverage Area	Coverage Area	Weight of Box
800x800mm	10mm (approx.)	3 pcs.	1.92 sq. mt.	20.67 sq. ft.	41 kgs. (approx.)
600x600mm	9mm (approx.)	4 pcs.	1.44 sq. mt.	15.50 sq. ft.	29 kgs. (approx.)