

Technical Specification

CHARACTERISTIC	STANDARD AS PER ISO-13006	CREAZIONI	CREAZIONI	METHOD OF TESTING
REGULATORY PROPERTIES				
Deviation in length & widthH	±0.5%	±0.1%	±0.1%	ISO-10545-2
Deviation in thickness	±5%	±4%	±4%	ISO-10545-2
Straightness in side	±0.5%	±0.1%	±0.1%	ISO-10545-2
Rectangularity	±0.6%	±0.1%	±0.1%	ISO-10545-2
Surface flatness	±0.5%	±0.2%	±0.2%	ISO-10545-2
Color difference	unaltered	no change	no change	ISO-10545-16
Glossiness	As per mfg	min.90%	min.4%	GLOSSOMETER
STRUCTURAL PROPERTIES				
Water absorption	<0.50%	<0.20%	<0.20%	ISO-10545-3
Apparent density	>2.0 g/cc	>2.10 g/cc	>2.10 G/CC	DIN 51082
MASSIVE MECHANICAL PROPERTIES				
Modulus of rupture	Min. 35 N/mm ²	Min. 40 N/mm ²	Min. 40 N/mm ²	ISO-10545-4
Breaking strength	Min. 1300 N	Min.2000 N	Min.2000 N	ISO-10545-4
Impact resistance	As per mfg.	Min. 0.55	Min. 0.55	ISO-10545-5
SURFACE MECHANICAL PROPERTIES				
Surface abrasion resistance	As per mfg.	Min. class-3	Min. class-4	ISO-10545-7
MOH's hardness	As per mfg.	Min. 4	Min.5	EN 101
THERMO HYGROMETRIC PROPERTIES				
Frost resistance	No damage	No damage	No damage	ISO-10545-12
Thermal shock resistance	No damage	No damage	No damage	ISO-10545-9
Moisture expansion	Nil	Nil	Nil	ISO-10545-10
Thermal expansion (COE)	Max. 9.0x10 ⁻⁶	Max. 6.5x10 ⁻⁶	Max. 6.5x10 ⁻⁶	ISO-10545-8
Crazing resistance	As per mfg	Min. 10 Cycle	Min. 10 Cycle	ISO-10545-11
CHEMICAL PROPERTIES				
Chemical resistance	No damage	No damage	No damage	ISO-10545-13
Stain resistance	Resistant	Resistant	Resistant	ISO-10545-14
SAFETY PROPERTIES				
Slip resistance	As per mfg	>0.40	>0.40	ISO-10545-17
Fire resistance	As per mfg	Fireproof	Fireproof	N.A.
Lead & Cadmium given off by glazed tiles	As per mfg	Does not yeild	Does not yeild	ISO-10545-15
		Pb.&Cd.	Pb.&Cd.	
PACKING DETAILS				
Size	Normal Thickness	No. of Tiles /Box	Coverage Area/Box	Wt. of Box
60X60 cm	9.5mm	4 pcs.	1.44 Sqm.	30.0 kgs(approx)