

## TECHNICAL SPECIFICATION

Sr. No.	CHARACTERISTICS	STANDARD AS PER 13006 / EN 176 GROUP BLA	OUR VALUE	TEST METHOD
<b>REGULATORY PROPERTIES</b>				
01	Deviation in length & width	± 0.5%	± 0.1%	ISO-10545-2
02	Deviation in thickness	± 0.5%	± 4.0%	ISO-10545-2
03	Straightness of sides	± 0.5%	± 0.1%	ISO-10545-2
04	Rectangularity	± 0.5%	± 0.1%	ISO-10545-2
05	Surface flatness	± 0.5%	± 0.2%	ISO-10545-2
06	Colour difference	Unaltered	No Change	ISO-10545-16
07	Glossiness	As per manufacturer	Min 90%	Glossometer
<b>STRUCTURAL PROPERTIES</b>				
01	Water Absorption	≤ 0.50%	≤ 0.050 %	ISO-10545-3
02	Apparent density	> 2.0 g/cc	> 2.10 g/cc	DIN 51082
<b>MASSIVE MECHANICAL PROPERTIES</b>				
01	Modulus of rupture	Min. 35 N/mm <sup>2</sup>	Min 40 N/mm <sup>2</sup>	ISO-10545-4
02	Breaking strength	Min. 1300 N	Min.2000 N	ISO-10545-4
03	Impact resistance	As per mfg.	Min. 0.55	ISO-10545-5
<b>SURFACE MECHANICAL PROPERTIES</b>				
01	Surface abrasion resistance	As per mfg.	Min. Class-3	ISO-10545-7
02	Moh's hardness	As per mfg.	Min. 4	EN 101
<b>THERMO HYDROMETRIC PROPERTIES</b>				
01	Frost resistance	No Damage	No Damage	ISO-10545-12
02	Thermal shock resistance	No Damage	No Damage	ISO-10545-9
03	Moisture expansion	Nil	Nil	ISO-10545-10
04	Thermal Expansion(CEO)	Max 9.00x10 <sup>-4</sup>	Max 6.5x10 <sup>-4</sup>	ISO-10545-8
05	Crazing resistance	As per Mfg.	Min. 10 cycle	ISO-10545-11
<b>CHEMICAL PROPERTIES</b>				
01	Chemical resistance	No Damage	No Damage	ISO-10545-13
02	Satin resistance	Resistance	Resistance	ISO-10545-14
<b>SAFETY PROPERTIES</b>				
01	Slip resistance	As per mfg.	>0.40	ISO-10545-17
01	Fire resistance	As per mfg.	Fireproof	N.A.
01	Lead & cadmium given off by glazed tiles	As per mfg.	Does not yield Pb & Cd	ISO-10545-15