

## TECHNICAL SPECIFICATION (20 MM THICKNESS)

SR. NO.	CHARACTERISTICS	STANDARD AS PER ISO 13006/EN 14411 GROUP BIA	MAIN VALUE OF SIMOLA VITRIFIED TILES	TEST METHOD
<b>Regulatory Properties</b>				
1	Deviation in length & width	±0.5 %	±0.1 %	ISO-10545-2
2	Deviation in thickness	±5.0 %	±3.0 %	ISO-10545-2
3	Straightness of sides	±0.5 %	±0.1 %	ISO-10545-2
4	Rectrangularity	±0.5 %	±0.1 %	ISO-10545-2
5	Colour difference	Unaltered	No Change	ISO-10545-16
<b>Structural Properties</b>				
6	Water absorption	<0.50 %	<0.10 %	ISO-10545-3
<b>Massive Mechanical Properties</b>				
7	Modulus Rupture	MIN 35 N/mm <sup>2</sup>	MIN 40 N/mm <sup>2</sup>	ISO-10545-4
<b>Surface Mechanical Properties</b>				
8	Surface abrasion resistance	As per mfg.	Min Class 4 - 5	ISO-10545-7
9	MOH's hardness	As per mfg.	Min Class 6 - 11	EN 101
<b>Thermo Hydrometric Properties</b>				
10	Frost resistance	No Damage	No Damage	ISO-10545-12
11	Thermal shock resistance	No Damage	No Damage	ISO-10545-9
12	Moisture expansion	Nil	Nil	ISO-10545-10
13	Crazing resistance	As per mfg.	Min. 10 Cycle	ISO-10545-11
<b>Chemical Properties</b>				
14	Chemical resistance	No Damage	No Damage	ISO-10545-13
15	Stain resistance	Resistance	Resistance	ISO-10545-14
<b>Safety Properties</b>				
16	Fire resistance	As per mfg.	Fire proof	N.A.
17	Lead & cadmium given off by glazed tiles	As per mfg.	Does not yeild pb & cd	ISO-10545-7