



















		<b>GLAZED VITRIFIED TILES</b>			
		<b>DESIGN QUALIFYING REPORT</b>			
		<b>GLAZED POLISHED COLLECTION</b>			
<b>SIZE</b> <b>800X1200</b>	<b>CODE</b> <b>&amp; NAME</b>	<b>GLAZED POLISHED COLLECTION</b>			
<b>DIMENTION &amp; SURFACE QUALITY</b>					
		<b>Description of the Test</b>	<b>Test Method</b>	<b>International Specification</b>	<b>Royal Porcelain Value</b>
1		Length & Width (Average)	ISO 10545.2	Set by Manufacture	800 mmX1200 mm (Squared)
		Deviation in Length & Width	ISO 10545.2	± 0.6 %	Max ± 0.20 %
2		Thickness (Average)	ISO 10545.2	Set by Manufacture	10.0 mm
		Deviation in Thickness	ISO 10545.2	± 10 %	Max ± 3.0 %
3		Straightness of Sides	ISO 10545.2	± 0.5 % (Max 2 mm)	0.2 % (Max) (1.0 mm)
4		Rectangularity	ISO 10545.2	± 0.6 % (Max 4 mm)	Rectified (Diagonal ±0.3mm)
5		Surface Flatness	ISO 10545.2	± 0.5 % (Max 2 mm)	0.3 % (Max) (1.8 mm)
6		Surface Quality	ISO 10545.2	Min 95 %	Min 95 %
<b>PHYSICAL PROPERTIES</b>					
7		Water Absorption by mass (Average)	ISO 10545.3	<0.5 % < E < 3.0%	Max 3.0 %
8		Modulus of Rupture	ISO 10545.4	> 27 N/mm <sup>2</sup>	> 30.0 N/mm <sup>2</sup>
9		Abrasive Resistance (Maximum)	ISO 10545.7	Set by Manufacture	Class II (750revolutions)
10		Moh's Scale Hardness	EN 101	Set by Manufacture	4.0 – 5.0
11		Density	ISO 10545.3	> 2.0 g/cc	2.4 g/c
12		Colour Resistance to light	ISO 10545.16	Resistance	Resistance
<b>THERMAL PROPERTIES</b>					
13		Thermal Expansion	ISO 10545.8	< 90.0 X 10 <sup>-7</sup> °C <sup>-1</sup>	74.0 X 10 <sup>-7</sup> °C <sup>-1</sup>
14		Moisture Expansion	ISO 10545.10	Nil	Nil
15		Resistance to Thermal Shock	ISO 10545.9	Min 10 Cycle	Resistant
16		Resistance to Craziing	ISO 10545.11	Min 4 Cycle	Resistant
17		Frost Resistance	ISO 10545.12	Resistance	Resistant
<b>CHEMICAL PROPERTIES</b>					
18		Chemical Resistance	ISO 10545.13	Min Class B	Class B(Min)
19		Resistance to Stains	ISO 10545.14	Min Class III	Class IV
<b>RANDOMNESS &amp; DISPLAY OF THE TILES</b>					
20		Display of Tiles	1 tile		
<b>APPLICATIONS</b>					
Product features are with low abrasion resistance and low scratch hardness. As such, this is suitable for flooring in domestic internal area like living room, bed room etc. This is not suitable for wet area since the polished surface may be slippery, also not suitable for the floor that has direct entrance from the sand floor. The shiny surface may be damaged by concentrated chemicals					
<b>Prepared by:-</b>		<b>Manager - QA, R &amp; D</b>		<b>Date</b>	
<b>Revision No.</b>				<b>15 – FEB – 2024</b>	
				<b>Date of Revision</b>	