



















 <b>GLAZED PORCELAIN TILES</b>					
<b>DESIGN QUALIFYING REPORT</b>					
DIGITAL PRINTING RUSTIC MATT COLLECTION (WOOD)					
<b>SIZE</b> 450X900	<b>CODE &amp; NAME</b>	1DB.MA	<b>PISA IVORY</b>		
		2DB.MA	<b>PISA BEIGE</b>		
		4DB.MA	<b>PISA ROSSO</b>		
		6DB.MA	<b>PISA COFFEE BROWN</b>		
<b>FEATURES</b>					
This is reproduction of natural wood with value adding features of glazed porcelain tiles. The wide range of natural colour combinations are used to imitate the beauty of natural wood. The elegance of the natural wood is given by medium random decorations					
<b>DEMENTION &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	450 mmX900 mm (Squared)
		Deviation in Length & Width	ISO 10545.2	± 0.6 %	Max ± 0.05 %
2		Thickness (Average)	ISO 10545.2	Set by Manufacture	10.6 mm
		Deviation in Thickness	ISO 10545.2	± 10 %	Max ± 1.0 %
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)	0.2 % (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 %	0.2 % (Max 0.3 %)
8		Modulus of Rupture	ISO 10545.4	> 35 N/mm <sup>2</sup>	40.0 N/mm <sup>2</sup>
9		Abrasive Resistance (Maximum)	ISO 10545.7	Set by Manufacture	Class IV (3000revolutions)
10		Moh's Scale Hardness	EN 101	Set by Manufacture	7.0 – 7.5
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 Crazeing	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	Resistant	Resistant
19		Resistance to Stains	ISO 10545.14	Min Class III	Class V
<b>RANDOMNESS &amp; DISPLAY OF THE TILES</b>					
20		Display of Tiles	At least 4 tiles should be properly displayed to express random effect		
<b>APPLICATIONS</b>					
Product features are with high abrasion resistance and high scratch hardness. As such, it is indicated for flooring commercial areas (shops, hotels etc) as well as for domestic use (living room, corridors, veranda, car porch etc) . Also it is suitable for wet areas (open veranda etc) since the matt surface is not slippery.					
<b>Prepared by:-</b>		<b>Manager - QA, R &amp; D</b>	<b>Date</b>		<b>20-Feb-14</b>
<b>Revision No.</b>		<b>2</b>	<b>Date of Revision</b>		<b>1-Feb-16</b>