



# CERAMIC GLAZED TILES

## DESIGN QUALIFYING REPORT









### DIGITAL PRINTING GLOSSY COLLECTION (WOOD)

SIZE	CODE & NAME	
400X400	1BG.GL	PINEWOOD IVORY
	2BG.GL	PINEWOOD BEIGE
	4BG.GL	PINEWOOD ORANGE







### FEATURES

Natural simple wood design in plane glossy surface with value added feature of glazed ceramic is given different experience to the floor as well as to the wall. The low random decoration is given elegance of simple wood

### DEMENTION & SURFACE QUALITY

	Description of the Test	Test Method	International Specification	Royal Porcelain Value
1	 Length & Width	ISO 10545.2	Set by Manufacture	H (400.7 - 402.1), S (399.3 - 400.7) & G (397.9-399.3)
	 Deviation in Length & Width	ISO 10545.2	± 0.6 %	Max ± 0.4 %
2	 Thickness (Average)	ISO 10545.2	Set by Manufacture	8.7 mm
	 Deviation in Thickness	ISO 10545.2	± 10 %	Max ± 2.0 %
3	 Straightness of Sides	ISO 10545.2	± 0.5 % (Max 2 mm)	0.3 % (Max) (1.0 mm)
4	 Rectangularity	ISO 10545.2	± 0.6 % (Max 2.5 mm)	0.3 % (Max) (1.2 mm)
5	 Surface Flatness	ISO 10545.2	± 0.5 % (Max 2 mm)	0.4% (Max) (1.6 mm)
6	 Surface Quality	ISO 10545.2	Min 95 %	Min 95 %

### PHYSICAL PROPERTIES

7	 Water Absorption by mass (Average)	ISO 10545.3	< 6 %	5.5 % (Max 6.0 %)
8	 Modulus of Rupture	ISO 10545.4	> 22 N/mm <sup>2</sup>	25.0 N/mm <sup>2</sup>
9	 Abrasive Resistance (Maximum)	ISO 10545.6	Set by Manufacture	Class II (750 revolutions)
10	 Moh's Scale Hardness	EN 101	Set by Manufacture	4.5 – 5.5
11	 Density	ISO 10545.3	> 2.0 g/cc	2.2 g/cc
12	 Colour Resistance to light	ISO 10545.16	Resistance	Resistance

### THERMAL PROPERTIES

13	 Thermal Expansion	ISO 10545.8	< 90.0 X 10 <sup>-7</sup> °C <sup>-1</sup>	70.0 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 Crazing	ISO 10545.11	Min 4 Cycle	Resistant
17	 Frost Resistance	ISO 10545.12	Resistance	Resistant

### CHEMICAL PROPERTIES

18	 Chemical Resistance	ISO 10545.13	Resistant	Resistant
19	 Resistance to Stains	ISO 10545.14	Min Class III	Class V

### RANDOMNESS & DISPLAY OF THE TILES

20	 Display of Tiles	At least 4 tiles should be properly displayed to express random effect
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### APPLICATIONS

As the resistance to surface abrasion is low, and low resistance to scratch hardness, product is suitable for internal domestic flooring. This is not suitable for the floor that has direct entrance from the sand floor. Also not suitable for exterior and it can be slippery in wet conditions.

Prepared by:- Revision No.	Manager - QA, R & D	Date Date of Revision	28 – June 2016
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