



VITRIFIED GLAZED TILES

DESIGN QUALIFYING REPORT

DIGITAL PRINTING RUSTIC MATT COLLECTION (STONE)

SIZE 400X400	CODE & NAME	M/1LD	Quarry Stone Beige
		M/6LD	Quarry Stone Natural
		M/8LD	Quarry Stone Brown

FEATURES

Natural stone with soft range of colors in a plain surface, imitating the beauty of natural stone in different colours. The elegance of the stones are given by moderate random decorations

DEMENTION & SURFACE QUALITY

		Description of the Test	Test Method	International Specification	Royal Porcelain Value
1		Length & Width (Average)	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 ± 0.35 %
2		Thickness (Average)	ISO 10545.2	Set by Manufacture	8.3 ± 0.2 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 2.5 mm)	0.2 % (Max) (1.0 mm)
5		Surface Flatness	ISO 10545.2	± 0.5 % (Max 2 mm)	0.2 % (Max) (1.0 mm)
6		Surface Quality	ISO 10545.2	Min 95 %	Min 95 %

PHYSICAL PROPERTIES

7		Water Absorption by mass (Average)	ISO 10545.3	< 6 %	5.50% (Max 5.80 %)
8		Modulus of Rupture	ISO 10545.4	> 25 N/mm ²	28.0 N/mm ²
9		Abrasive Resistance (Maximum)	ISO 10545.6	Set by Manufacture	Class III (1500 revolutions)
10		Moh's Scale Hardness	EN 101	Set by Manufacture	6.5 – 7.0
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 ⁻⁷ °C ⁻¹	70.0 X 10 ⁻⁷ °C ⁻¹
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 9 tiles should be properly displayed to express random effect		
----	--	------------------	------------------------------------------------------------------------	--	--

APPLICATIONS

Product features are with good abrasion resistance and significant scratch hardness. As such, it is indicated for flooring in semi traffic areas like corridors, verandas etc as well as for domestic use. Also it is suitable for wet areas since that surface is not

Prepared by:-	Manager - QA, R & D	Date	15-Aug-13
Revision No.	0	Date of Revision	