

GLAZED VITRIFIED TILES

DESIGN QUALIFYING REPORT

DIGITAL PRINTING RUSTIC MATT COLLECTION (SOFT STONE)

SIZE
600X300







CODE
&
NAME

2KP.MA	Ultrastone Ivory
7KP.MA	Ultrastone Tan
8KP.MA	Ultrastone Earth
7MP.MA	Ultrastone Bone
8MP.MA	Ultrastone Fawn







FEATURES

Natural stone with a soft range of colours in a plain surface, imitating the beauty of natural stone in different colours. The elegance of the stone is given by medium 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	600 mmX300 mm (Squared)
	Deviation in Length & Width	ISO 10545.2	± 0.6 %	Max ± 0.20 %
2	 Thickness (Average)	ISO 10545.2	Set by Manufacture	8.1 mm
	Deviation in Thickness	ISO 10545.2	± 10 %	Max ± 2.0 %
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 %

PHYSICAL PROPERTIES

7	 Water Absorption by mass (Average)	ISO 10545.3	0.5 < E < 3.0 %	2.8 % (Max 3.0 %)
8	 Modulus of Rupture	ISO 10545.4	> 27 N/mm ²	> 30.0 N/mm ²
9	 Abrasive Resistance (Maximum)	ISO 10545.7	Set by Manufacture	Class IV (2100 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	74.0 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 Crazeing	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

Product features are with good abrasion resistance and scratch hardness. As such, it is indicated for flooring in semi public commercial areas like Shop's floor, corridor, passage etc. as well as for domestic use. Also it is suitable wet area like bathroom floor.

Prepared by:-
Revision No.

Manager - QA, R & D

Date
Date of Revision

1-Nov-21