GLAZED VITRIFIED PORCELAIN

DESIGN QUALIFYING REPORT

DIGITAL PRINTING AMBERESE-MATT COLLECTION

Size	Code	Finish	Name
600X300	RC.0AB.000195.VS.0M	Matt	Amberese - Orchid White
600X300	RC.0AB.000242.VS.0M	Matt	Amberese - Beige
600X300	RC.0AB.000432.VS.0M	Matt	Amberese - Brown
600X300	RC.0AB.000604.VS.0M	Matt	Amberese - Black
600X300	RC.0AB.000615.VS.0M	Matt	Amberese - Dark Gray
600X300	RC.0AB.000648.VS.0M	Matt	Amberese - Light Gray

FEATURES

DIMENSION & SURFACE QUALITY

		Description of the Test	Test Method	International Specification	Royal Ceramics Value
1		Length & Width (Average)	ISO 10545.2	Set by Manufacturer	R(600X300mm)
		Deviation in Length & Width	ISO 10545.2	± 0.3 %	±0.2mm
2		Thickness (Average)	ISO 10545.2	Set by Manufacturer	9.0mm
		Deviation in Thickness	ISO 10545.2	± 5 %	±0.3mm
3		Straightness of Sides	ISO 10545.2	± 0.5 % (Max 2 mm)	±0.8mm
4		Rectangularity	ISO 10545.2	± 0.6 % (Max 4 mm)	±1.5mm (With respect to the 600mm side) ±0.9mm (With respect to the 300mm side)
5		Surface Flatness	ISO 10545.2	± 1.8 mm (Max)	±1.6mm
6		Surface Quality	ISO 10545.2	Min 95 %	Min 95 %

PHYSICAL PROPERTIES

7		Water Absorption by mass (Average)	ISO 10545.3	< 0.5 %	Maximum < 0.5 %
8		Modulus of Rupture	ISO 10545.4	> 35 N/mm2	Minimum > 35 N/mm2
9		Abrasion Resistance - Surface Abrasion	ISO 10545.7	Report abrasion class and cycles passed	Class III (750 Rev)
10		Moh's Scale Hardness	EN 101	Set by Manufacturer	6
11		Slipperiness	ISO 10545.17	Set by Manufacturer	R=10(PTV=35 Average in wet)
12		Colour Resistance to light	ISO 10545.16	Resistant	Resistant

THERMAL PROPERTIES

13		Thermal Expansion	ISO 10545.8	< 90.0 X 10-7 °C-1	< 65.0 X10-7°C-1
14		Moisture Expansion	ISO 10545.10	Nil	N/D
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	Resistant	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 TILES

20		Display of Tiles	At least 4 tiles should be properly displayed.

APPLICATIONS

Product is Glazed Vitrified porcelain with **medium scratch hardness**. It is recommended to apply in **medium traffic areas**. Cleaning and maintenance can be done with fresh water and household chemicals.

Certifications of Conformity			
ISO 9001, ISO 13006, ISO 14001, ISO 45001			
Prepared by:	**Eng.Production**	**Date:**	**24/10/2023**
Revision No.	**Manager - QA and R & D**	**Date of Revision:**	**11/11/2024**