



DESIGN QUALIFYING REPORT

Size	40cm x 40cm	
Identification Name	Solid-Matt	
Product Category	Fully Vitrified Full Body Porcelain	
CODES	RC.001.000102.EM.03	White - Solid
	RC.001.000107.EM.03	Ivory - Solid
	RC.001.000111.EM.03	Cream - Solid
	RC.001.000202.EM.03	Yellow - Solid
	RC.001.000380.EM.03	Dark Blue - Solid
	RC.001.000413.EM.03	Pink - Solid
	RC.001.000433.EM.03	Brown - Solid
	RC.001.000429.EM.03	Rosy White - Solid
	RC.001.000508.EM.03	Olive Green - Solid
	RC.001.000611.EM.03	Dark Black - Solid
	RC.001.000614.EM.03	Charcoal Black - Solid
	RC.001.000634.EM.03	Light Grey - Solid

FEATURES

	Description of the Test	Test Method	
1	Length & Width (Average)	ISO 10545.2	H(400.6-401.8),S(399.4-400.6) & G(398.2-399.4)
2	Rectangularity (Average)	ISO 10545.2	0.35 % (Max)
3	Thickness (Average)	ISO 10545.2	8.3 ± 0.2 mm
4	Surface Flatness (Average)	ISO 10545.2	-
	Centre Curvature related to the diagonal calculated from work size	ISO 10545.2	±0.2 % (±1.2 mm)
	Edge Curvature related to the corresponding work size	ISO 10545.2	±0.3 % (±1.2 mm)
	Warpage related to the diagonal calculated from the work size	ISO 10545.2	±0.3 % (±1.2 mm)
5	Water Absorption by mass (Average)	ISO 10545.3	less than 0.5%
6	Modulus of Rupture	ISO 10545.4	35.0 N/mm ²
7	Abrasion resistance	ISO 10545-6	165mm ³
8	Abrasive Resistance (Maximum)	ISO 10545.7	Class III
9	Resistance to Thermal Shock	ISO 10545.9	Resistant
10	Resistance to Crazeing	ISO 10545.11	Resistant
11	Chemical Resistance	ISO 10545.13	Resistant
12	Resistance to Stains	ISO 10545.14	Class V
13	Moh's Scale Hardness		7

APPLICATIONS

Product features are **abrasion resistance** with high **scratch hardness**. Therefore it is suitable for flooring in **heavy traffic areas**. Cleaning & maintenance can be done with fresh water and household chemicals

Prepared by:	Eng. Prod.	Date	30-09-2020
Reviewed by:	Manager - QA, R &D	Date	30-09-2020
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