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DESIGN QUALIFYING REPORT					
HOMOGENEOUS SOLID-MATT COLLECTION					
Size	Code	Finish	Name		
600X600	RC.001.000107.EM.05	Matt	Solid - Ivory		
600X600	RC.001.000103.EM.05	Matt	Solid - Brilliant White		
600X600	RC.001.000634.EM.05	Matt	Solid - Light Grey		
600X600	RC.001.000429.EM.05	Matt	Solid - Rosy White		
600X600	RC.001.000614.EM.05	Matt	Solid - Charcoal Black		
600X600	RC.001.000202.EM.05	Matt	Solid - Yellow		
600X600	RC.001.000112.EM.05	Matt	Solid - Off White		
600X600	RC.001.000611.EM.05	Matt	Solid - Dark Black		
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(600X600mm)
		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
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/mm ²	Minimum > 35 N/mm ²
9		Abrasion Resistance (Maximum)-Deep Abrasion	ISO 10545.6	Maximum 175mm ³	Maximum < 165mm ³
10		Moh's Scale Hardness	EN 101	Set by Manufacturer	7
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 Fully Vitrified Homogeneous porcelain with high scratch hardness . It is recommended to apply in heavy 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



Green Building
Council of Sri Lanka

Prepared by:	Eng.Production	Date:	24/10/2023
Revision No.	Manager - QA and R & D	Date of Revision:	11/11/2024