











GLAZED VITRIFIED PORCELAIN				
DESIGN QUALIFYING REPORT				
DIGITAL PRINTING ARENISCA - MATT COLLECTION				
Size	Code	Finish	Name	
600X1200	RC.ARC.000441.MA.OU	Matt	Arenisca - Hazelnut	
600X1200	RC.ARC.000643.MA.OU	Matt	Arenisca - Cappuccino	
600X1200	RC.ARC.000642.MA.OU	Matt	Arenisca - Panton Cement	
600X1200	RC.ARC.000264.MA.OU	Matt	Arenisca - Almond	
600X1200	RC.ARC.000265.MA.OU	Matt	Arenisca - Sand	
600X1200	RC.ARC.000266.MA.OU	Matt	Arenisca - Pearl	
600X1200	RC.ARC.000624.MA.OU	Matt	Arenisca - Light grey	
600X1200	RC.ARC.000640.MA.OU	Matt	Arenisca - Concrete	
600X1200	RC.ARC.000137.MA.OU	Matt	Arenisca - Off White	
600X1200	RC.ARC.000268.MA.OU	Matt	Arenisca - Sandstone	
600X1200	RC.ARC.000151.MA.OU	Matt	Arenisca - White	
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(600X1200mm)
	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 %	More than 95% of tiles are free from visible defects
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 <sup>2</sup>	Minimum > 35 N/mm <sup>2</sup>
9	 Abrasion Resistance (Maximum)-Deep Abrasion	ISO 10545.6	Maximum 175mm <sup>3</sup>	Maximum < 165mm <sup>3</sup>
10	 Moh's Scale Hardness	EN 101	Set by Manufacture	6
11	 Slipperiness	ISO 10545.17	Set by Manufacture	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 <sup>-7</sup> °C <sup>-1</sup>	< 65.0 X10 <sup>-7</sup> °C <sup>-1</sup>
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 a Fully Vitrified Homogeneous porcelain tile 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



Green Building  
Council of Sri Lanka

<b>Prepared by:</b>	<b>Eng.Production</b>	<b>Date:</b>	<b>11/11/2023</b>
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