



















 GLAZED PORCELAIN TILES DESIGN QUALIFYING REPORT GLAZED POLISHED CEMENT COLLECTION					
SIZE 600X1200	CODE & NAME	1KD.PL	NATIVE SPRING		
		2KD.PL	NATIVE BEIGE		
		4KD.PL	NATIVE FERRO		
		5KD.PL	NATIVE GREEN		
		8KD.PL	NATIVE RUST		
FEATURES					
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 mmX1200 mm (Squared)
		Deviation in Length & Width	ISO 10545.2	± 0.6 %	Max ± 0.20 %
2		Thickness (Average)	ISO 10545.2	Set by Manufacture	10.4 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)	0.2 % (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 %	0.2 % (Max 0.3 %)
8		Modulus of Rupture	ISO 10545.4	> 35 N/mm ²	> 40.0 N/mm ²
9		Abrasive Resistance (Maximum)	ISO 10545.6	Set by Manufacture	Class II (750 revolutions)
10		Moh's Scale Hardness	EN 101	Set by Manufacture	4.0 – 4.5
11		Density	ISO 10545.3	> 2.0 g/cc	> 2.4 g/c
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	Class GLA
19		Resistance to Stains	ISO 10545.14	Min Class III	Class IV
RANDOMNESS & DISPLAY OF THE TILES					
20		Display of Tiles	At least 2 tiles should be properly displayed to express random effect		
APPLICATIONS					
Product features are with low abrasion resistance and low scratch hardness. As such, this is suitable for flooring in domestic internal area like living room, bed room etc. This is not suitable for wet area since the polished surface may be slippery, also not suitable for the floor that has direct entrance from the sand floor. The shiny surface may be damaged by concentrated chemicals					
Prepared by:-		Manager - QA, R & D	Date	10-Jan-20	
Revision No.		1	Date of Revision	25-Aug-20	