














 GLAZED CERAMIC TILES DESIGN QUALIFYING REPORT					
SIZE 600X300		CODE & NAME		WALL TILE SATIN MATT COLLECTION	
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 mmX300 mm (Squared)
		Deviation in Length & Width	ISO 10545.2	± 0.6 %	Max ± 0.2 %
2		Thickness (Average)	ISO 10545.2	Set by Manufacture	7.6 mm
		Deviation in Thickness	ISO 10545.2	± 10 %	Max ± 3.0 %
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)	0.3 % (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	6 < E < 10 %	6 < E < 8 %
8		Modulus of Rupture	ISO 10545.4	> 16 N/mm ²	> 22.0 N/mm ²
9		Abrasive Resistance (Maximum)	ISO 10545.6	Set by Manufacture	Class III (1500 revolutions)
10		Moh's Scale Hardness	EN 101	Set by Manufacture	5.0 – 5.5
11		Density	ISO 10545.3	> 2.0 g/cc	2.1 g/cc
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	70.0 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	Resistant
19		Resistance to Stains	ISO 10545.14	Min Class III	Class V
RANDOMNESS & DISPLAY OF THE TILES					
20		Display of Tiles	At least 4 tiles should be properly displayed to express random effect		
APPLICATIONS					
<p style="text-align: center;">Only for wall</p>					
Prepared by:-		Manager - QA, R & D		Date	10-Jan-19
Revision No.		0		Date of Revision	