

GLAZED VITRIFIED TILES					
DESIGN QUALIFYING REPORT					
GLAZED VITRIFIED DRY GLAZE COLLECTION					
SIZE 800X800	CODE & NAME	2TJ.MA Cemento Beige	8TP.MA Rapolano Gold		
		2TT.MA Biescas Beige	8TT.MA Biescas Black		
		4TQ.MA Breccia Rosato	8TZ.MA Ardesia Brown		
		6TJ.MA Cemento Gray	9TZ.MA Ardesia Gray		
FEATURES					
DIMENTION & SURFACE QUALITY					
		Description of the Test	Test Method	International Specification	Royal Porcelain Value
1		Length & Width (Average)	ISO 10545.2	Set by Manufacture	800 mmX800 mm (Squared)
		Deviation in Length & Width	ISO 10545.2	± 0.6 %	Max ± 0.30%
2		Thickness (Average)	ISO 10545.2	Set by Manufacture	9.8 mm
		Deviation in Thickness	ISO 10545.2	± 10 %	Max ± 5.0 %
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	0.5 % < WA < 3.0 %	2.5 % (Max 3.0 %)
8		Modulus of Rupture	ISO 10545.4	> 27 N/mm ²	> 32.0 N/mm ²
9		Abrasive Resistance (Maximum)	ISO 10545.7	Set by Manufacture	Class IV(8000 revolutions)
10		Moh's Scale Hardness	EN 101	Set by Manufacture	7.0 - 8.0
11		Slipperiness	ISO 10545.17	Set by Manufacture	R ≈ 10 (μ ≈ 0.52) Wet R ≈ 11 (μ ≈ 0.70) Dry
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	Min Class B	Resistance
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					
Product features are high abrasion resistance with high scratch hardness .Therefore it is suitable for flooring in moderate traffic commercial areas l supper markets, shops etc as well as for any domestic use.					
Prepared by:-		Manager - QA, R &D		Date	07 – July 2026
Revision No.				Date of Revision	