











Powder Series : Phoenix Tiles Products Technical Data Sheet Document

PHOENIX TILES LIMITED Technical specification for POWDER Series - Glazed Porcelain Tiles			
Type of Test	International Norm	International Standard (S > 410 cm ²)	Phoenix Tiles Typical Standard (POWDER SERIES)
 Water Absorption	ISO 10545-3	Group Bla, E ≤ 0.5%	≤ 0.30%
 Dimension <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"></div> <div style="width: 35%; text-align: right;"> Length & Width Thickness Straightness of Sides Rectangularity Flatness of Surface Centre Curvature Warpage Edge Curvature </div> </div>	ISO 10545-2	±0.50%	±0.30%
	ISO 10545-2	±5.00%	±5.00%
	ISO 10545-2	±0.50%	±0.30%
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 Modulus of Rupture	ISO 10545-4	Min.35N/mm ²	Min.35N/mm ²
 Breaking Strength	ISO 10545-4	Min.1300N	≥ 1500N
 Co-efficient of Thermal Expansion	ISO 10545-8	≤ 9X10 ⁻⁶ K ⁻¹	≤ 9X10 ⁻⁶ K ⁻¹
 Thermal Shock	ISO 10545-9 / EN 104	No Damage	No Damage
 Frost Resistance	ISO 10545-12	No visible alteration to the surface	No visible alteration to the surface
 Resistance to Chemicals	ISO 10545-13	Min GB	GA
 Stain Resistance	ISO 10545-14	Min. Class 3	Class 3
 Slip Resistance (Wet Pendulum)	AS/NZS 4586 (App. A)	P0 - P5	Matt: P3

Up-dated : 06/01/2020

** The above standards serves as a "General Guide" only and is based on testing conducted on **factory fresh samples** or unused surface using specific conditions. Factors such as usage, cleaning systems, applied coatings, type of footwear and patterns of wear may affect the characteristics of the surface after testing. It is therefore recommended to conduct specific tests on individual tile batches which are going to be laid.