










**Pietra Series : Phoenix Tiles Products Technical Data Sheet Document**

<b>PHOENIX TILES LIMITED</b> Technical specification for PIETRA Series - Glazed Porcelain			
Type of Test	International Norm	International Standard (S > 410 cm <sup>2</sup> )	Phoenix Tiles Typical Standard (PIETRA SERIES)
 <b>Water Absorption</b>	ISO 10545-3 / EN 99	Group Bla, E ≤ 0.5%	≤ 0.3%
 <b>Dimension</b>  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: right;"><b>Length &amp; Width</b></p> <p style="text-align: right;"><b>Thickness</b></p> <p style="text-align: right;"><b>Straightness of Sides</b></p> <p style="text-align: right;"><b>Rectangularity</b></p> <p style="text-align: right;"><b>Flatness of Surface</b></p> <p style="text-align: right;"><b>Centre Curvature</b></p> <p style="text-align: right;"><b>Warpage</b></p> <p style="text-align: right;"><b>Edge Curvature</b></p> </div> <div style="width: 45%;"> <p>ISO 10545-2 / EN 98</p> <p>ISO 10545-2 / EN 98</p> <p>ISO 10545-2 / EN 98</p> <p>ISO 10545-2 / EN 98</p> <p>ISO 10545-2 / EN 98</p> <p>ISO 10545-2 / EN 98</p> <p>ISO 10545-2 / EN 98</p> <p>ISO 10545-2 / EN 98</p> </div> </div>			
	± 0.50%	± 0.40%	
	± 5.00%	± 5.00%	
	± 0.50%	± 0.40%	
	± 0.60%	± 0.40%	
	± 0.50%	± 0.40%	
	± 0.50%	± 0.40%	
	± 0.50%	± 0.40%	
 <b>Modulus of Rupture</b>	ISO 10545-4 / EN 100	Min. 32N/mm <sup>2</sup>	≥ 37N/mm <sup>2</sup>
 <b>Co-efficient of Thermal Expansion</b>	ISO 10545-8 / EN 103	≤ 9X10 <sup>-6</sup> K <sup>-1</sup>	≤ 9X10 <sup>-6</sup> K <sup>-1</sup>
 <b>Thermal Shock</b>	ISO 10545-9 / EN 104	No Damage	No Damage
 <b>Frost Resistance</b>	ISO 10545-12 / EN202	No visible alteration to the surface	No visible alteration to the surface
 <b>Chemical Resistance</b>	ISO 10545-13	Min. GB	GB
 <b>Stain Resistance</b>	ISO 10545-14	Min.Class 3	Class 3
 <b>Slip Resistance (Wet Pendulum)</b>	AS/NZS 4586 (App. A)	P0 - P5	Matt: P2

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 surfaces 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.