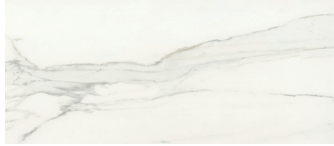




**General:** A full bodied glazed porcelain tile that embodies the beauty of natural stone with the technical characteristics of hard wearing porcelain. Suitable for both Residential & Commercial projects where harmonious aesthetics are required.

**Applications:** Application ideas include, residential indoor & covered outdoors such as living rooms, bathrooms, kitchens, patios plus commercial foyer and retail areas.

**Colours:**



Calacutta - Soft



Travertine - Soft



Stone - Natural

**Sizes:** 30 x 60 cm      60 x 60 cm

**Thickness:** 0.85cm      30 x 60 cm  
0.95cm      60 x 60 cm

**Finishes:** Soft - suitable for indoor areas  
Natural - suitable for indoors and covered outdoor areas

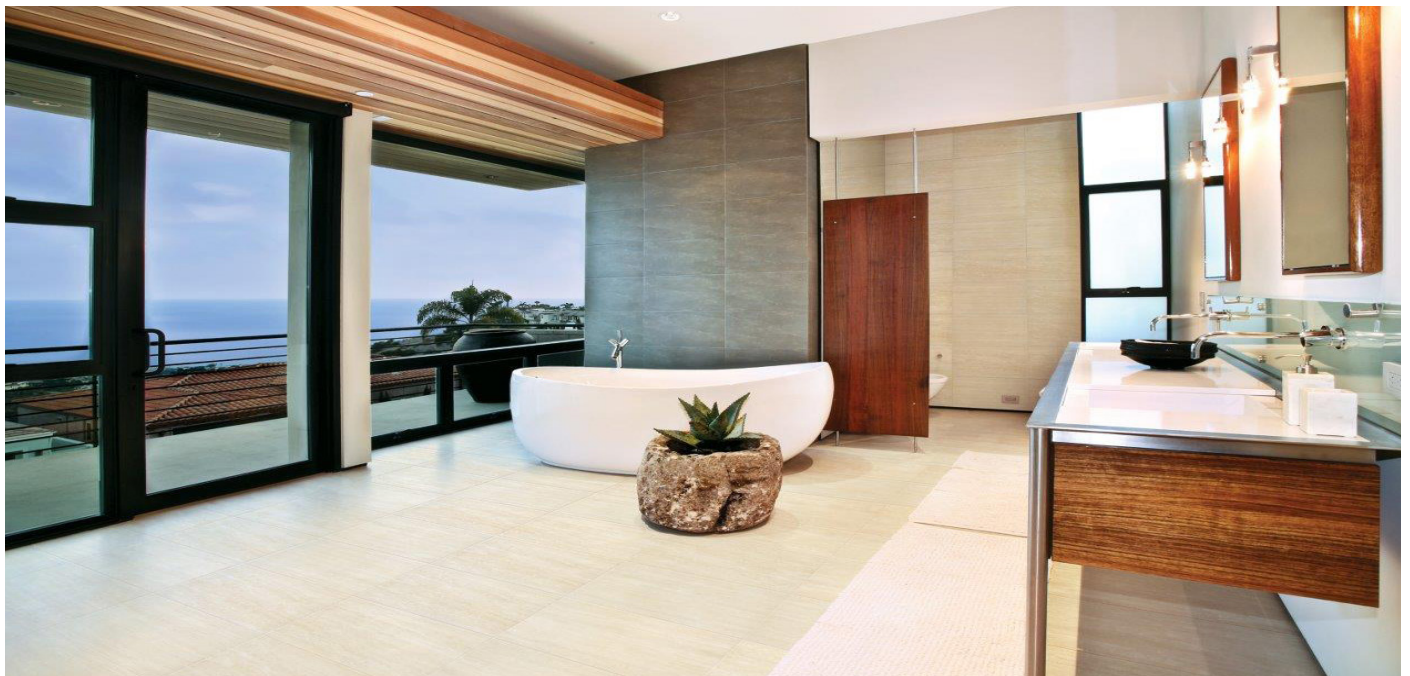
**Type:** Full bodied glazed porcelain - using digital technology

**Appearance:** The beauty of natural stone











**Production:** Porcelain tile with rectified edges

**Grout joint:** Recommended 2 - 3 mm

*For further images, please refer to [www.phoenixtiles.com.hk](http://www.phoenixtiles.com.hk) - gallery page.*













## VILA TRAVERTINE & VILA CALACUTTA: Technical Data Sheet Document

<b>PHOENIX TILES LIMITED</b> Technical specification for VILA ( <u>Travertine &amp; Calacutta in Soft Finish</u> ) - Glazed Porcelain Tiles			
Type of Test	International Norm	International Standard	Phoenix Tiles Standard Glazed Porcelain ( <u>Soft Finish Only</u> )
 <b>Water Absorption</b>	ISO 10545-3 / EN 99	Group Bla, E ≤ 0.5%	≤ 0.3%
 <b>Dimension</b>	<b>Length &amp; Width</b>	ISO 10545-2 / EN 98	± 0.30%
	<b>Thickness</b>	ISO 10545-2 / EN 98	± 3.00%
	<b>Straightness of Sides</b>	ISO 10545-2 / EN 98	± 0.30%
	<b>Rectangularity</b>	ISO 10545-2 / EN 98	± 0.30%
	<b>Flatness of Surface</b>		
	<b>Centre Curvature</b>	ISO 10545-2 / EN 98	± 0.25%
	<b>Warpage</b>	ISO 10545-2 / EN 98	± 0.25%
	<b>Edge Curvature</b>	ISO 10545-2 / EN 98	± 0.25%
 <b>Modulus of Rupture</b>	ISO 10545-4 / EN 100	Min.35N/mm <sup>2</sup>	≥ 38N/mm <sup>2</sup>
 <b>Co-efficient of Thermal</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 / EN106	No visible signs of chemical attack ( GA )	No visible signs of chemical attack ( GA )
 <b>Moh's Hardness</b>	EN101	Min.4	Min.4
 <b>Colour Fastness</b>	SS 301	No noticeable colour change	No noticeable colour change
 <b>Slip Resistance (Wet Pendulum)</b>	AS 4586 (App. A)	P0 - P5	P3 (BPN 'X')

Dated: 12/07/2017

\*\* The above standards serves as a "General Guide" only and is based on testing conducted on **factory fresh samples** or

## VILA STONE: Technical Data Sheet Document

<b>PHOENIX TILES LIMITED</b>			
Technical specification for VILA (Stone in <u>Natural finish</u> ) - Glazed Porcelain Tiles			
Type of Test	International Norm	International Standard	Phoenix Tiles Standard Glazed Porcelain ( <u>Natural Finish Only</u> )
 <b>Water Absorption</b>	ISO 10545-3 / EN 99	Group Bla, E ≤ 0.5%	≤ 0.3%
 <b>Dimension</b>			
Length & Width	ISO 10545-2 / EN 98	±0.50%	± 0.30%
Thickness	ISO 10545-2 / EN 98	±5.00%	± 3.00%
Straightness of Sides	ISO 10545-2 / EN 98	±0.50%	± 0.30%
Rectangularity	ISO 10545-2 / EN 98	±0.60%	± 0.30%
<b>Flatness of Surface</b>			
Centre Curvature	ISO 10545-2 / EN 98	±0.50%	± 0.25%
Warpage	ISO 10545-2 / EN 98	±0.50%	± 0.25%
Edge Curvature	ISO 10545-2 / EN 98	±0.50%	± 0.25%
 <b>Modulus of Rupture</b>	ISO 10545-4 / EN 100	Min.35N/mm <sup>2</sup>	≥ 38N/mm <sup>2</sup>
 <b>Co-efficient of Thermal</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 / EN106	No visible signs of chemical attack ( GA )	No visible signs of chemical attack ( GA )
 <b>Moh's Hardness</b>	EN101	Min.4	Min.4
 <b>Colour Fastness</b>	SS 301	No noticeable colour change	No noticeable colour change
 <b>Slip Resistance (Wet Pendulum)</b>	AS 4586 (App. A)	P0 - P5	P3 (BPN 'X')

Dated: 12/08/2015

\*\* 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.