

TRAVERTINE /// WENGÉ





GTW  
SERIES



GTW01 GLACIER

TRAVERTINE

SIZES

60 X 60 CM

80 X 80 CM

60 X 120 CM

SURFACE

POLISHED





GTX  
SERIES



GTX01 LINEN

TRAVERTINE

SIZES

60 X 60 CM

80 X 80 CM

60 X 120 CM

SURFACE

POLISHED





## TECHNICAL SPECIFICATIONS

DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT	NIRO GRANITE
Length & Width	ISO 10545 -2	mm	±0.6% Max	±0.30% Max
Thickness	ISO 10545 -2	mm	±5.0% Max	±5.0% Max
Sides Straightness	ISO 10545 -2	mm	±0.5% Max	±0.25% Max
Rectangularity	ISO 10545 -2	mm	±0.5% Max	±0.25% Max
Flatness: a) Centre Curvature	ISO 10545 -2	mm	±0.5% Max	±0.20% Max / Max 2.0mm
b) Edge Curvature	ISO 10545 -2	mm	±0.5% Max	±0.20% Max / Max 2.0mm
c) Warpage	ISO 10545 -2	mm	±0.5% Max	±0.20% Max / Max 2.0mm
Surface Quality	ISO 10545 -2	One Major Area of Tiles	≥ 95% free from visible defect	Comply
Water Absorption	ISO 10545 -3	Mass	≤0.5%	≤0.20%
Breaking Strength	ISO 10545 -4	N	≥ 1300 N	≥ 1300 N
Modulus of Rupture	ISO 10545 -4	N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup> Individual ≥ 32 N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup> Individual ≥ 32 N/mm <sup>2</sup>
Abrasion Resistance				
a) Deep Abrasion for unglazed tiles	ISO 10545 -6	mm <sup>3</sup>	≤ 175 mm <sup>3</sup>	≤ 160 mm <sup>3</sup>
b) Surfaces Abrasion for glazed tiles	ISO 10545 -7	Visual Check	Manuf. to state abrasion class, cycle and passed	≥ PEI 3 ( Dependent on product type )*
Crazing Test (glazed tiles)	ISO 10545 -11	Visual Check	No Sign of Crazing	No Sign of Crazing
Frost Resistance	ISO 10545 -12	Visual Check	Required	No Visible Crack
Chemical Resistance				
a) Low concentrations	ISO 10545 -13	Visual Check	Manuf. To State	Class A Class B (For Polished Tile)
b) Household chemicals and swimming pool salts	ISO 10545 -13	Visual Check	≥ Class B	Class A Class B (For Polished Tile)
Stain Resistance				
a) For unglazed tiles	ISO 10545 -14	Visual Check	Manuf. to State	≥ Class 3
b) For glazed tiles	ISO 10545 -14	Visual Check	≥ Class 3	≥ Class 3
Slip Resistance (Excluding Polished, Lappato and Matt Satin finishing)	AS/NZS 4586 App. A	P0 to P5	Manuf. to State	Wet Pendulum ≥ P2 ( Dependent on product type )*

The technical specifications is only for rectified tiles. \* Refer to test report for specific test result.

Each different tiles series are produced to meet different performance requirements. For specific product technical performance, please request from Niro Granite sales team or their agent or distributor.

Colour Variations: Since the colour reproduction in this printed piece will vary from the actual tile colours, final selection should be made from tile samples. Colour, shade and glaze variations may exist due to the inherent characteristics of porcelain tile.

Due to the low porosity of porcelain tiles, an Improved High Performance Cementitious adhesive in accordance to BS EN 12004 & ISO 13007-1 is highly recommended for proper installation. Products that meet this standard are available amongst leading adhesive manufacturers. Please seek expert advice from adhesive manufacturers for proper selection and application.

