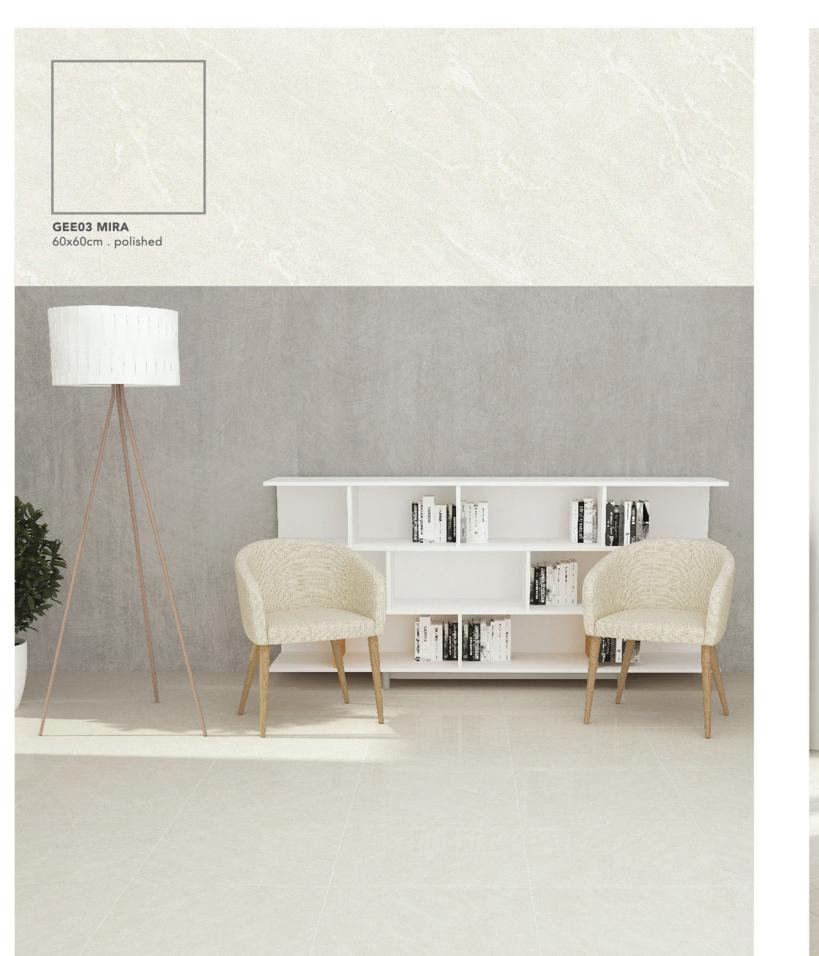


GEE02 VIRNA 60x60cm . polished







TECHNICAL SPECIFICATIONS

DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT	NIRO GRANITE
Length & Width	MS 1SO 10545 -2	mm	±0.6% Max	±0.30% Max
Thickness	MS 1SO 10545 -2	mm	±5.0% Max	±5.0% Max
Sides Straightness	MS 1SO 10545 -2	mm	±0.5% Max	±0.25% Max
Rectangularity	MS 1SO 10545 -2	mm	±0.5% Max	±0.25% Max
Flatness: a) Centre Curvature b) Edge Curvature	MS 1SO 10545 -2 MS 1SO 10545 -2	mm mm	±0.5% Max ±0.5% Max	±0.25% Max ±0.25% Max
c) Warpage	MS 1SO 10545 -2	mm	±0.5% Max	±0.25% Max
Surface Quality	MS 1SO 10545 -2	One Major Area of Tiles	≥ 95% free from visible defect	Comply
Water Absorption	MS 1SO 10545 -3	Mass	≤0.5%	≤0.25%
Breaking Strength	MS 1SO 10545 -4	N	≥ 1300 N	≥ 1300 N
Modulus of Rupture	MS 1SO 10545 -4	N/mm²	≥ 35 N/mm² Individual ≥ 32 N/mm²	≥ 35 N/mm² Individual ≥ 32 N/mm²
Abrasion Resistance a) Deep Abrasion for unglazed tiles b) Surfaces Abrasion for glazed tiles	MS 1SO 10545 -6 MS 1SO 10545 -7	mm³ Visual Check	≤ 175 mm³ Manuf. to state abrasion class, cycle and passed	≤ 160 mm³ ≥ PEI 3 (Dependent on product type)*
Crazing Test (glazed tiles)	MS 1SO 10545 -11	Visual Check	No Sign of Crazing	No Sign of Crazing
Frost Resistance	MS 1SO 10545 -12	Visual Check	Required	No Visible Crack
Chemical Resistance a) Low concentrarions b) Household chemicals and	MS 1SO 10545 -13	Visual Check	Manuf. To State	Max visible change on cut side (Dependent on Product Type)*
swimming pool salts	MS 1SO 10545 -13	Visual Check	≥ Class B	≥ Class B
Stain Resistance a) For unglazed tiles	MS 1SO 10545 -14	Visual Check	Manuf. to State	≥ Class 3 (For non-polished surface only)
b) For glazed tiles	MS 1SO 10545 -14	Visual Check	≥ Class 3	≥ Class 3 (For non-polished surface only)
Coefficient of Friction (wet and dry) (Excluding Polished and Semi-polished tile)	AS/NZA 4586-2013 App.D.	Manuf. To State	Manuf. to State	Oil / Wet Ramp ≥ R9 (Dependent on product type)*

^{*} 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 plaze 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.









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