

LUX4.0

AN ODE TO TIMELESS BEAUTY



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Lux 4.0 is taking cues from the design and characteristics of natural marble and stones.

The alluring designs and natural elements of marble and stone have long been associated with poised elegance and sustainability. Therefore, this tile collection is a worthwhile addition to any interior space.

Lux 4.0 collection is offering two finishes – polished and matt which is suitable for both floor and wall applications.



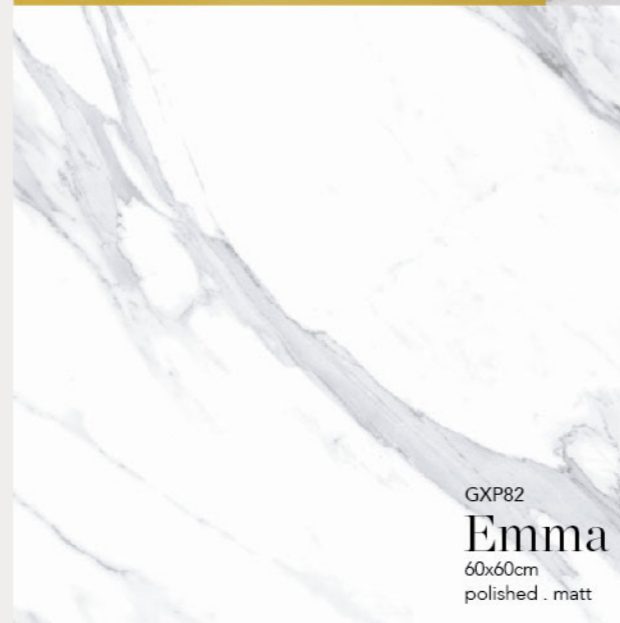
6 DESIGN

Six designs inspired by five different stones and marble; each design emulating the distinct patterns and shades of the original stone and marble to create a unique identity for each design in the collection.

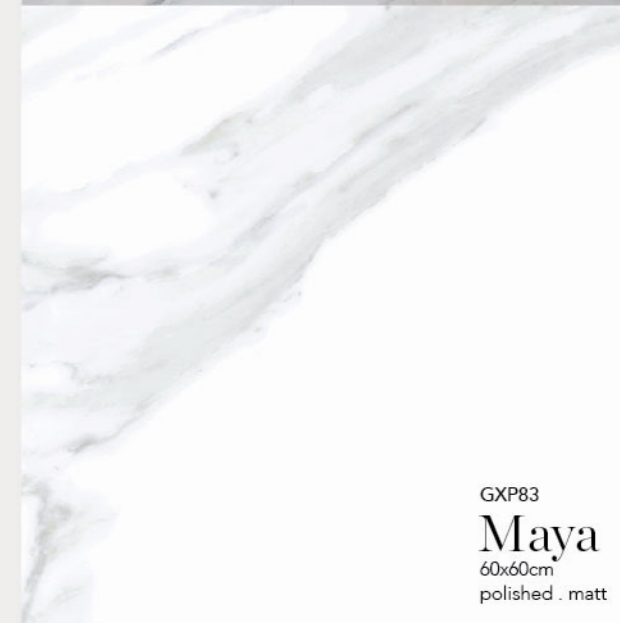
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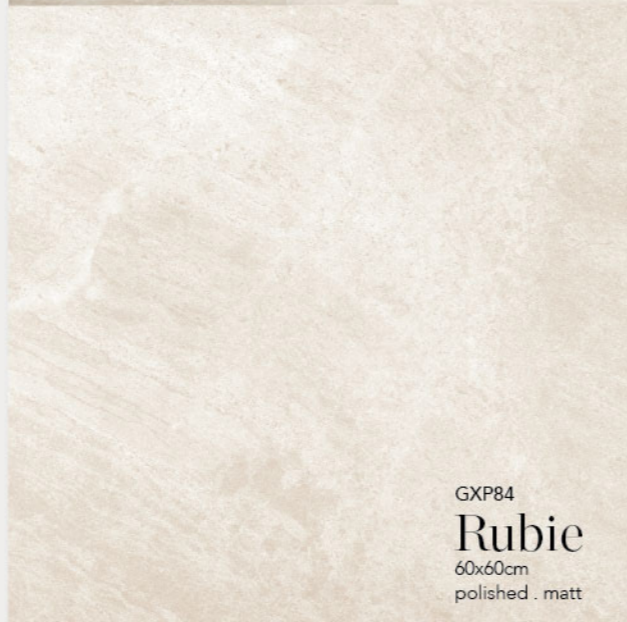
GXP81
Lyla
60x60cm
polished



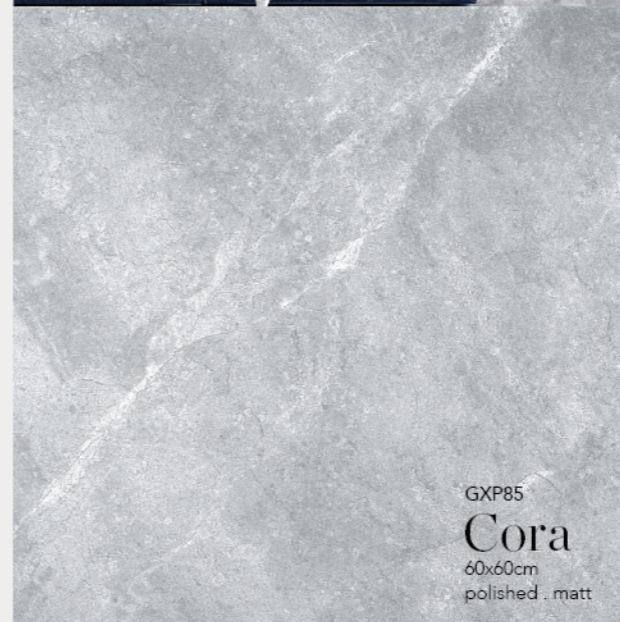
GXP82
Emma
60x60cm
polished . matt



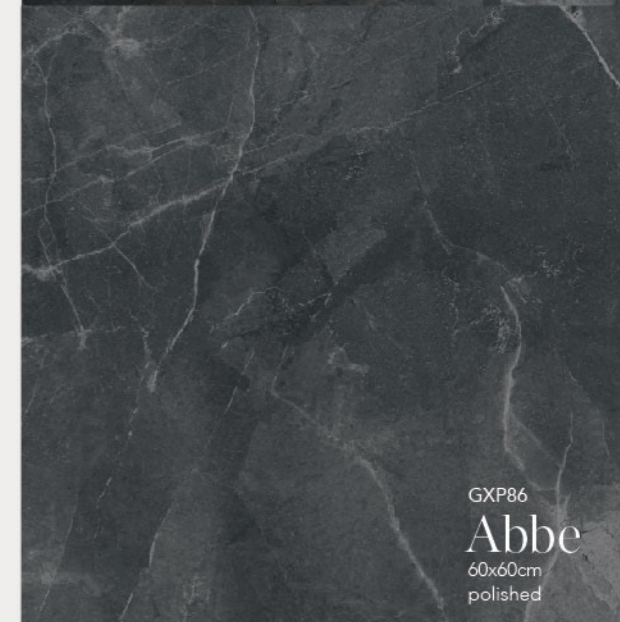
GXP83
Maya
60x60cm
polished . matt



GXP84
Rubie
60x60cm
polished . matt



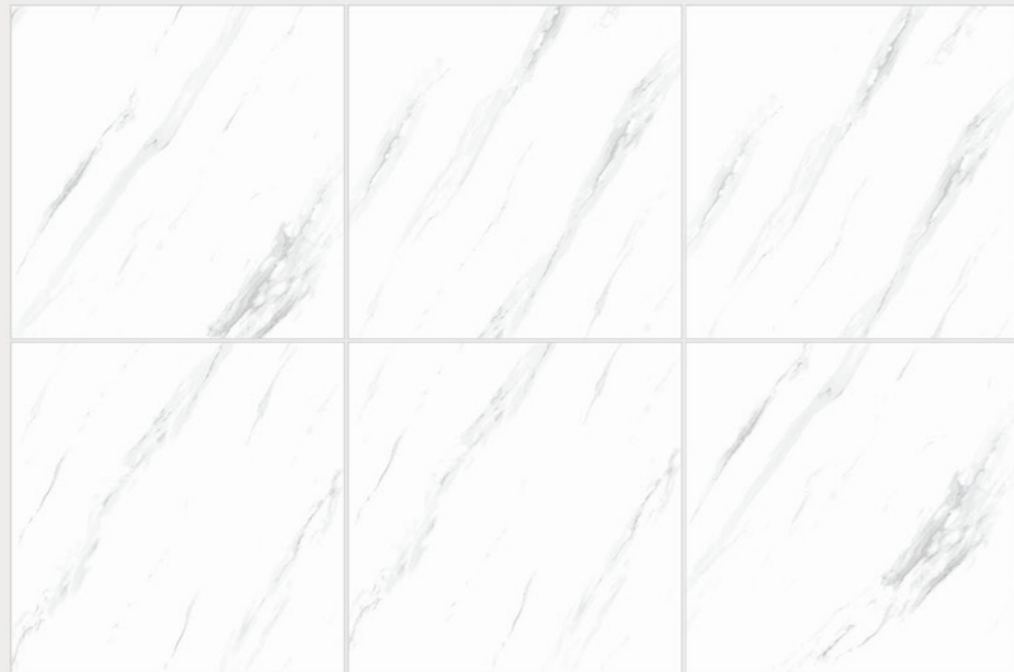
GXP85
Cora
60x60cm
polished . matt



GXP86
Abbe
60x60cm
polished

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GXP81
Lyla



60x60cm
polished

V2



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GXP82

Emma



60x60cm
polished . matt

V2



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GXP83
Maya



60x60cm
polished . matt

V2



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GXP84
Rubie



60x60cm
polished . matt
V2

 NIRO GRANITE



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GXP85
Cora

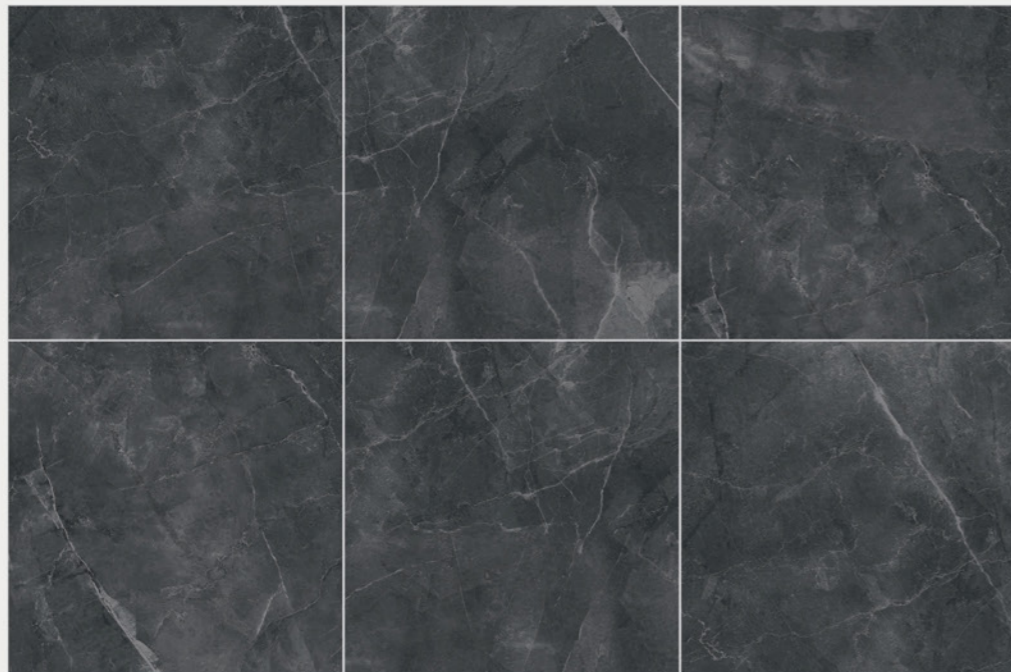


60x60cm
polished . matt
V2



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GXP86
Abbe



60x60cm
polished

V2



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GXP86 Abbe 60x60cm polished



GXP83 Maya 60x60cm 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 b) Edge Curvature c) Warpage	ISO 10545 -2 ISO 10545 -2 ISO 10545 -2	mm mm mm	±0.5% Max ±0.5% Max ±0.5% Max	±0.20% Max / Max 2.0mm ±0.20% Max / Max 2.0mm ±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 ²	≥ 35 N/mm ² Individual ≥ 32 N/mm ²	≥ 35 N/mm ² Individual ≥ 32 N/mm ²
Abrasion Resistance 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 b) Household chemicals and swimming pool salts	ISO 10545 -13 ISO 10545 -13	Visual Check Visual Check	Manuf. To State ≥ Class B	Class A Class B (For Polished Tile) Class A Class B (For Polished Tile)
Stain Resistance 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: Matt: P2

* Refer to test report for specific test result.

Each different tile series are produced to meet different performance requirements. For specific product technical performance, please request from Niro Granite sales team, 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.

SHADE VARIATION

<p>UNIFORM FROM TILE TO TILE</p>	<p>SLIGHTLY NOTICEABLE FROM TILE TO TILE</p>	<p>MODERATELY NOTICEABLE FROM TILE TO TILE</p>	<p>DISTINCTLY NOTICEABLE FROM TILE TO TILE</p>
<p>UNIFORM FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is relatively uniform from tile to tile. There is minimal to no difference among pieces from the same production run.</p>	<p>SLIGHTLY NOTICEABLE FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is slightly noticeable from tile to tile. There are clearly distinguishable differences in design texture or pattern with similar or slight change in colour tones.</p>	<p>MODERATELY NOTICEABLE FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is moderately noticeable from tile to tile. There are clearly distinguishable differences in design texture or pattern.</p>	<p>DISTINCTLY NOTICEABLE FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is distinctly different from tile to tile. Random colour and design texture differences can be seen from tile to tile. One tile may have totally different colour from another tile. Final installation can be unique.</p>

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