

CEMENTUM

MINIMALIST DESIGN

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TRENDSETTING CREATIVITY

Vibrant, contemporary and dynamic but yet unpretentious. Cementum epitomizes Living. It is easy to be comfortable in environs that are created out of Gifts from the Earth. It is indulgent to be embraced in an abode that complements our fashion sense.

UNPRECEDENTED VERSATILITY

It is the making of every homemaker's dream, providing colours and textures that are clean, easily maintainable and aesthetically adaptable to any fixtures and fittings. Cementum is the quintessence of ancient builders' notions of a masterpiece – the very instrument of resilience, endurance amidst magnificence.

SPACIOUS ADVANTAGE

It indoctrinates modern perspectives to light and space. In visually appealing White, Beige, Brown and Grey, these colour choices are great receptacles to bounce off harsh lighting and soften angular spaces, providing an overall sense of harmony and tranquility.

SPLENDOUR IN INNOCENCE

Cementum triggers nostalgia, and the very soul of security; reminiscent of childhoods encumbered in a safe haven of tender, loving care. Like a child's mind - uninhibited, candid, spontaneous and pure.

“LESS IS MORE”

The trend of minimalism is here to grace every home and office, heralding the beginnings in flooring and the fundamentals of materials that are durable, that withstand the tests of time.

THE BEAUTY OF BASICS

Drawing upon the essence of its natural beauty, our range of Cementum minimalist designs will define stunning facets to modern homes and interior decorations.

The principles in providing more for less, is in actual fact, an aesthetic way of re-arranging the numerous components of a building to create an impression of extreme simplicity, but which achieves multiple visual and functional purposes.

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“ LESS IS MORE ”

It is fashionable to be functional,
trendy to be simplistic.

TRENDSETTING CREATIVITY

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It is easy to be comfortable in environs that are created out of Gifts from the Earth.
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GCM 01 | WHITE



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GCM 02 | BEIGE



“LESS IS MORE”

With CEMENTUM, a house is definitely a Home. Uncluttered, yet sophisticated in varying shades that speaks of comfort and just plain beauty from basics.

UNPRECEDENTED VERSATILITY

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“LESS IS MORE”

Even when furnishings are scarce, the presence of Cementum evokes an artistry that has no parallel.

SPACIOUS ADVANTAGE

It indoctrinates modern perspectives to light and space. In visually-appealing Beige, Brown, Grey and Light Grey, these colour choices are great receptacles to bounce off harsh lighting and soften angular spaces, providing an overall sense of harmony and tranquility.

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GCM 04 | GREY



“ LESS IS MORE ”

From the purity of innocence,
true beauty is derived.
Cementum is created from
the basics, in all its untainted
form, feel and colour.

SPLENDOUR IN INNOCENCE

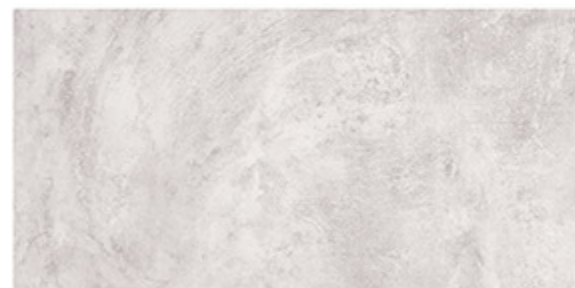
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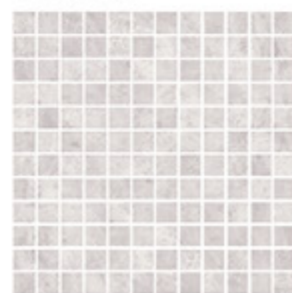
GCM 01 | WHITE



60cm x 60cm



60cm x 30cm

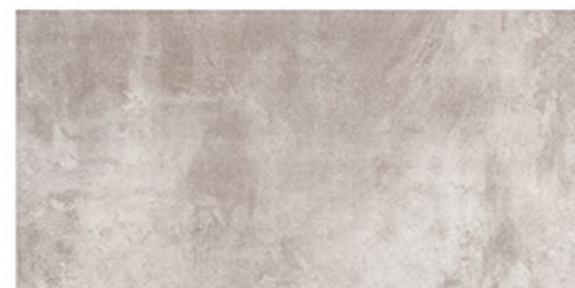


mosaic | 30cm x 30cm

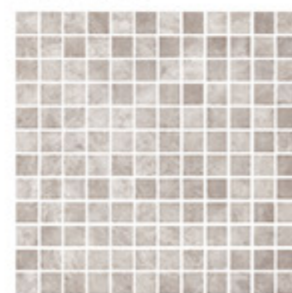
GCM 02 | BEIGE



60cm x 60cm



60cm x 30cm

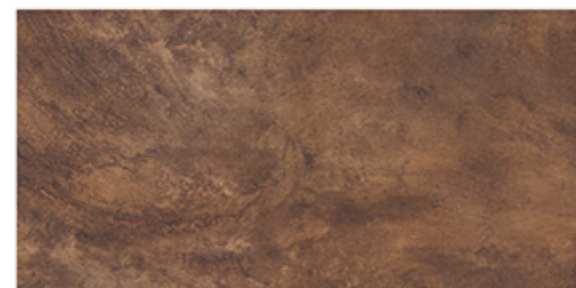


mosaic | 30cm x 30cm

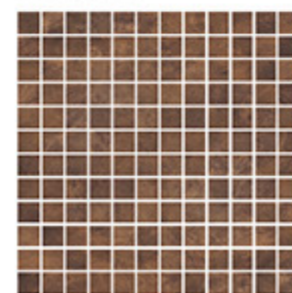
GCM 03 | BROWN



60cm x 60cm



60cm x 30cm



mosaic | 30cm x 30cm

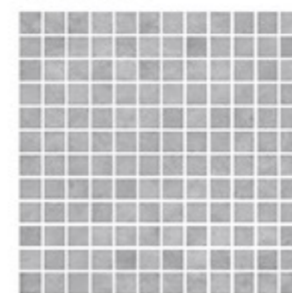
GCM 04 | GREY



60cm x 60cm



60cm x 30cm



mosaic | 30cm x 30cm

TECHNICAL SPECIFICATIONS

Description	Standard Test	Measurement Unit	ISO Standard Requirement	NIRO GRANITE
Length & Width	MS ISO 10545 - 2	mm	± 0.5% Max	± 0.25% Max
Thickness	MS ISO 10545 - 2	mm	± 5.0% Max	± 2.50% Max
Sides Straightness	MS ISO 10545 - 2	mm	± 0.5% Max	± 0.25% Max
Rectangularity	MS ISO 10545 - 2	mm	± 0.6% Max	± 0.30% Max
Flatness: a) Centre Curvature b) Edge Curvature c) Warpage	MS ISO 10545 - 2 MS ISO 10545 - 2 MS ISO 10545 - 2	mm mm mm	± 0.5% Max ± 0.5% Max ± 0.5% Max	± 0.25% Max ± 0.25% Max ± 0.25% Max
Surface Quality	MS ISO 10545 - 2	One major area of tiles	≥ 95% free from visible defect	Comply
Water Absorption	MS ISO 10545 - 3	Mass	≤ 0.5%	≤ 0.25% Max
Modulus of Rupture	MS ISO 10545 - 4	N/mm ²	≥ 35 N/mm ²	≥ 35 N/mm ²
Deep Abrasion	MS ISO 10545 - 6	mm ³	≤ 175 mm ³	≤ 160 mm ³
Surface Abrasion PEI ASTM C1027	MS ISO 10545 - 7	Visual Check	Manuf. to State Abrasion Class, Cycle Passed	Min PEI 3
Crazing Test	MS ISO 10545 - 11	Visual Check	Not Applicable for porcelain tiles	Not Applicable
Frost Resistance	MS ISO 10545 - 12	Visual Check	Required	No Visible Crack
Chemical Resistance (Low Cons.)	MS ISO 10545 - 13	Visual Check	Manuf. to State	Max Visible Change On Cut Side
Chemical Resistance (Household/Swimming Pool)	MS ISO 10545 - 13	Visual Check	Max Visible Change On Cut Side	Max Visible Change On Cut Side
Stain Resistance	MS ISO 10545 - 14	Visual Check	Class 3 Min	Class 3 Min
Coefficient of Friction AS/NZS 4586-1999 App.D.	MS ISO 10545 - 17	Manuf. to State	Manuf. to State	Oil /Wet Ramp (R9 Min)

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 the 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 AND TONALITIES

<p>L1 UNIFORM FROM TILE TO TILE</p>	<p>L2 SLIGHTLY NOTICEABLE FROM TILE TO TILE</p>	<p>L3 MODERATELY NOTICEABLE FROM TILE TO TILE</p>	<p>L4 DISTINCTLY NOTICEABLE FROM TILE TO TILE</p>
<p>L1 Uniform from tile to tile The range of colours and tones within the same shade is relatively uniform from tile to tile. Minimal to no difference among pieces from the same production run.</p>	<p>L2 Slightly noticeable from tile to tile The range of colours and tones within the same shade is slightly noticeable from tile to tile. Clearly distinguishable differences in design or pattern with similar or slight change in colour tones.</p>	<p>L3 Moderately noticeable from tile to tile The range of colours and tones within the same shade is moderately noticeable from tile to tile. Clearly distinguishable differences in design or pattern.</p>	<p>L4 Distinctly noticeable from tile to tile The range of colours and tones within the same shade is distinctly different from tile to tile. Peculiar colour differences from tile to tile, as that one tile may have totally different values from that of other tiles. Final installation can be unique.</p>



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