

# CONCRETE

another minimalist design



# CONCRETE

An inspiration derived from the concept of beauty in basics, consummate with the trend of the 21st century towards environmentally-influenced elements in the surroundings, Concrete has been created to add dimension, distinctiveness and versatility to homes, commercial and showpiece spaces with decorative intentions.

## SIMPLICITY IS CLASS

Stated in the colours of white, grey and black, class has never been as well-defined, presented in all the simplicity of its very fundamentalism to evoke a sense of completeness and timelessness to comfort.

## WHITE CONCRETE CASUAL ELEGANCE

Home is where the heart is, and central to it all is the freedom of being yourself. This freedom is personified in White and comfort is envisioned in this clean, sparkling shade that is encumbered and uncluttered.

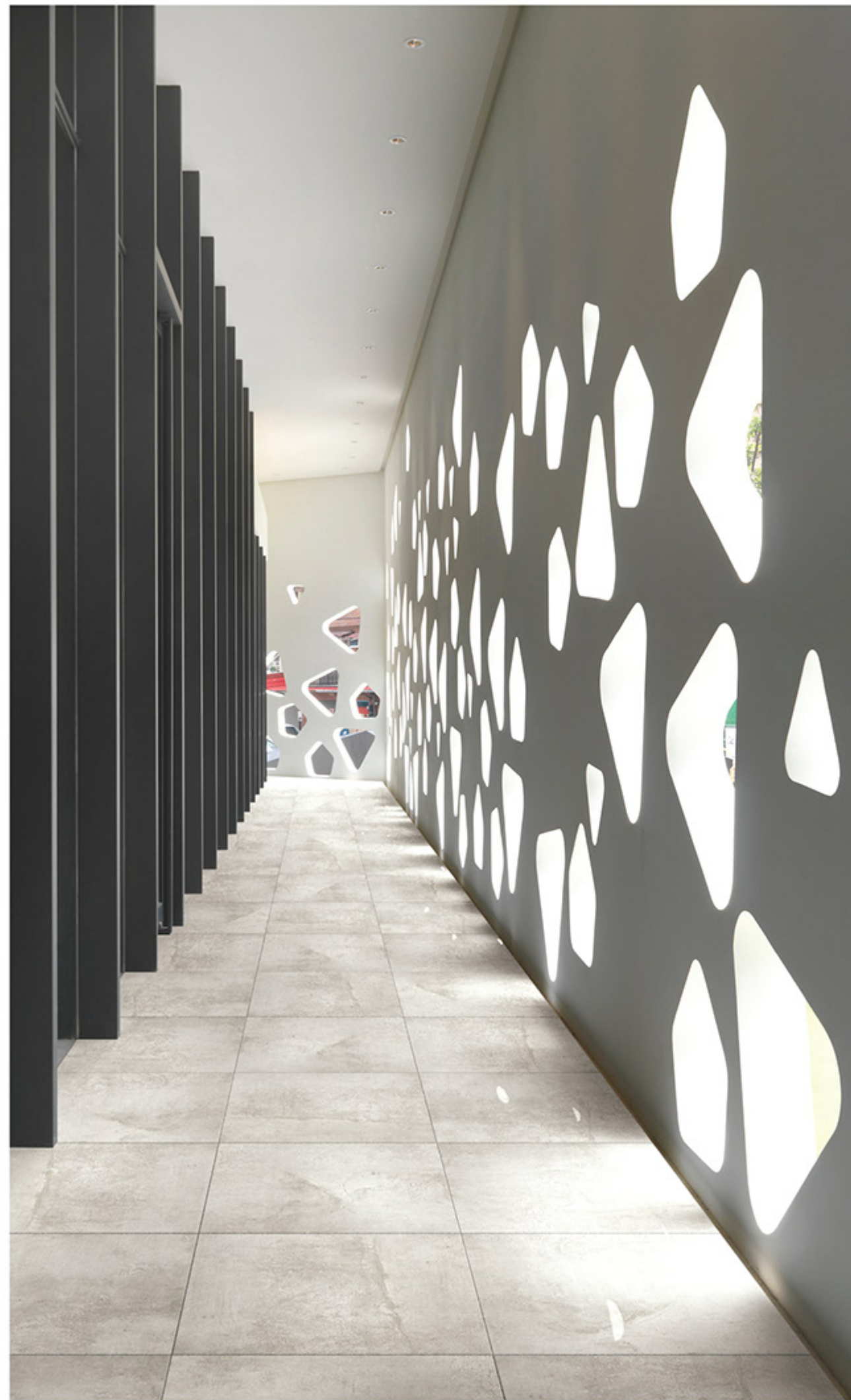
## GREY CONCRETE ENDURING AVANT-GARDE

Concrete in Grey enhances settings that are contemporary and stylish, yet with a touch of convention. It allows for flexibility in adaptation and innovation for exclusivity; redefining interior décor that speaks of lasting impressions.

## BLACK CONCRETE EVOCATIVE TRANQUILITY

Even in the hues of universal colours such as black, space has never been this appealing. Even when furnishings and adornments are few, the essence of luxurious living is not compromised. Cleverly appointed, the minimalist quality of Concrete Black brings out a tranquility that is a balm to today's demanding pace, that is evocative of calm and order.





## SIMPLICITY IS CLASS

Stated in the colours of white, grey and black, class has never been as well-defined, presented in all the simplicity of its very fundamentalism to evoke a sense of completeness and timelessness to comfort.

## WHITE CONCRETE CASUAL ELEGANCE

Home is where the heart is, and central to it all is the freedom of being yourself. This freedom is personified in White and comfort is envisioned in this clean, sparkling shade that is encumbered and uncluttered.



GCT 01 | WHITE CONCRETE



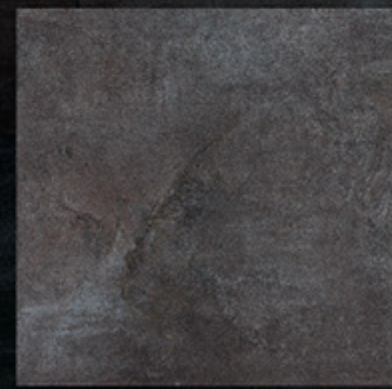


## SIMPLICITY IS CLASS

Honing an existence that is wrapped in tender, loving togetherness, Concrete provides the true feelings of home and harmony.

## BLACK CONCRETE EVOCATIVE TRANQUILITY

Even in the hues of universal colours such as black, space has never been this appealing. Even when furnishings and adornments are few, the essence of luxurious living is not compromised. Cleverly appointed, the minimalist quality of Concrete Black brings out a tranquility that is a balm to today's demanding pace, that is evocative of calm and order.



GCT 02 | BLACK CONCRETE





## SIMPLICITY IS CLASS

When simplicity itself can spark the imagination, augmenting creations that are stimulating to the senses – visually refreshing, psychologically invigorating – to make any abode a haven to return to.

## GREY CONCRETE ENDURING AVANT-GARDE

Concrete in Grey enhances settings that are contemporary and stylish, yet with a touch of convention. It allows for flexibility in adaptation and innovation for exclusivity; redefining interior décor that speaks of lasting impressions.



GCT 03 | GREY CONCRETE



GCT 01 | WHITE CONCRETE | 60cm x 60cm • 60cm x 30cm | Mosaic • 30cm x 30cm



GCT 02 | BLACK CONCRETE | 60cm x 60cm • 60cm x 30cm | Mosaic • 30cm x 30cm



GCT 03 | GREY CONCRETE | 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/mm2	≥ 35 N/mm2	≥ 35 N/mm2
Deep Abrasion	MS ISO 10545 - 6	mm3	≤ 175 mm3	≤ 160 mm3
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 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 AND TONALITIES

<b>UNIFORM</b> FROM TILE TO TILE	<b>SLIGHTLY NOTICEABLE</b> FROM TILE TO TILE	<b>MODERATELY NOTICEABLE</b> FROM TILE TO TILE	<b>DISTINCTLY NOTICEABLE</b> FROM TILE TO TILE
<b>U1</b> <b>Uniform from tile to tile</b> 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.	<b>U2</b> <b>Slightly noticeable from tile to tile</b> 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.	<b>U3</b> <b>Moderately noticeable from tile to tile</b> The range of colours and tones within the same shade is moderately noticeable from tile to tile. Clearly distinguishable differences in design or pattern.	<b>U4</b> <b>Distinctly noticeable from tile to tile</b> The range of colours and tones within the same shade is distinctly different from tile to tile. Random colour differences from tile to tile, so that one tile may have totally different colours from that on other tiles. Final installation can be unique.



[www.nirogranite.com.my](http://www.nirogranite.com.my)