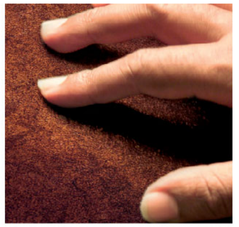
NIRO GRANITE®

THE SWISS QUALITY TILE

granite stone



granite

The beauty of natural stones
and with the high performance
of a through-body porcelain tile,
Niro Granite unveils the
Granite Stone series.
A material with random effect
and fine veins of natural stone
makes it suitable for residential
and commercial application,
both indoors and outdoors
and including bathrooms
and kitchens.

The Granite Stone is available
in natural stone colours of
Noir, Gris and Bleu,
format of 30x60cm
in natural rock surface for
anti-slip effects.
Beautifully crafted mosaic to give
a modern lifestyle interior design
solutions for your floors and walls.

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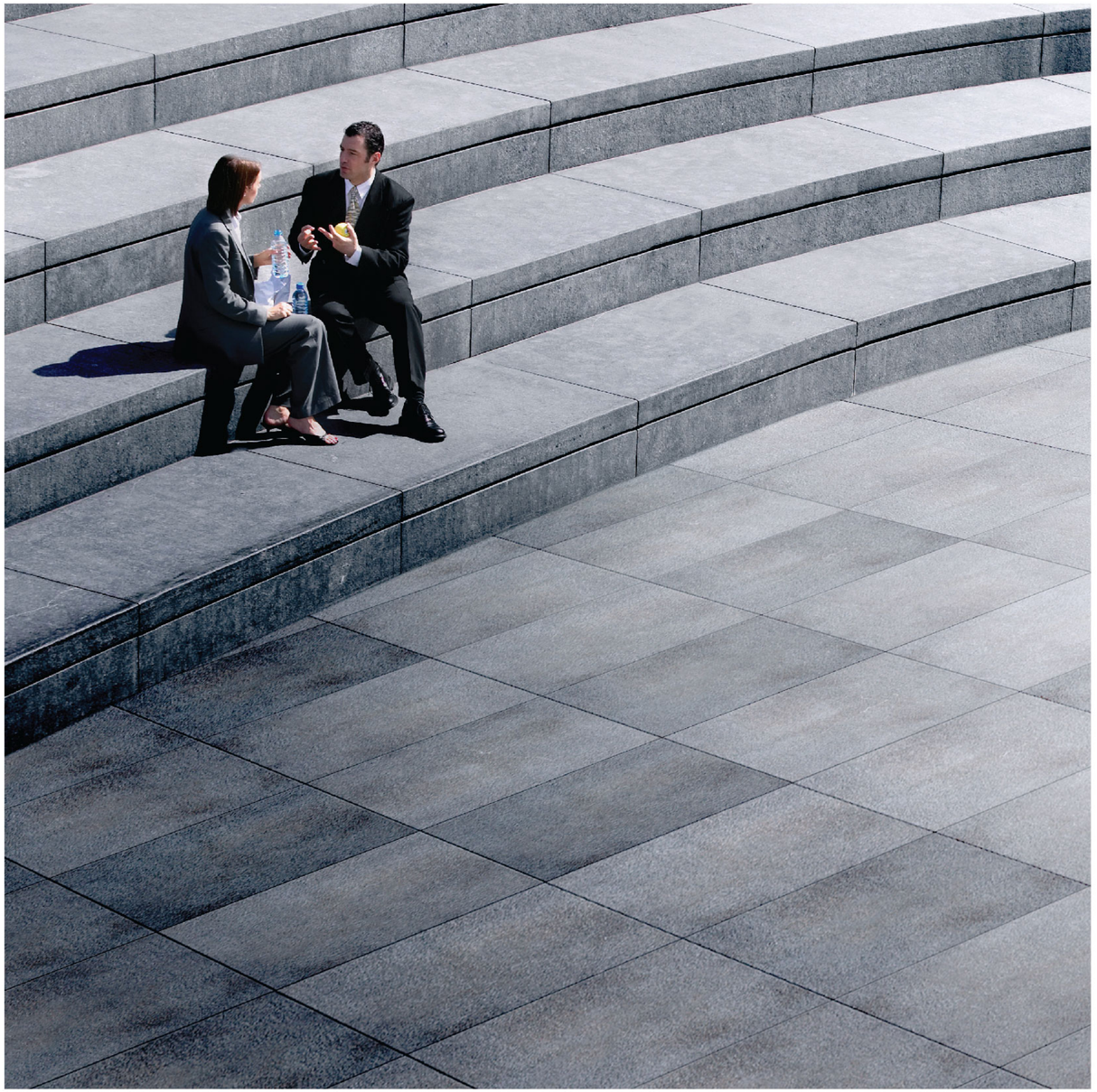
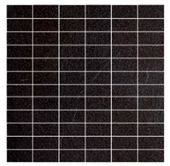
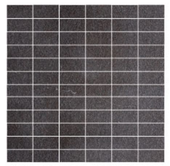
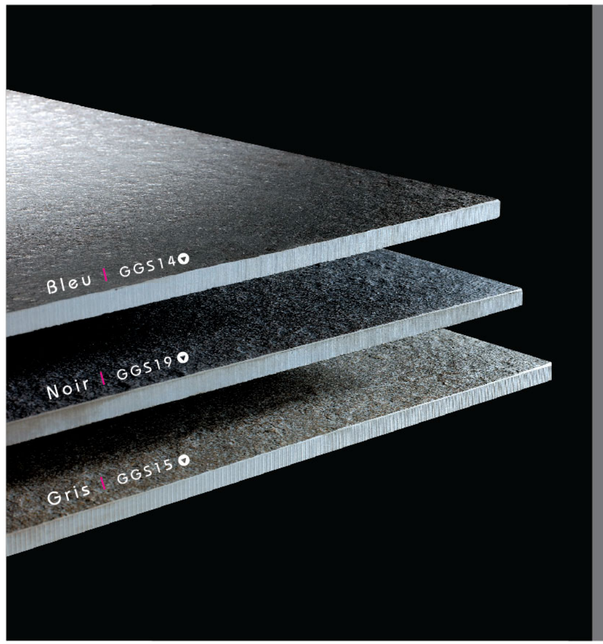
granite stone | Noir GGS19

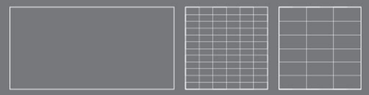


granite stone / Bleu GGS14

granite stone | Gris GGS15

	Noir I GGS19	Bleu I GGS14	Gris I GGS15
30 x 60 cm			
30 x 30 cm Mosaic Cut (2.7x4.7 cm)			
30 x 30 cm Mosaico (4.7x9.7 cm)			





Format: 60x30cm. Mosaic Cut 30x30cm. Mosaico 30x30cm.

granite stone

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.

QUALITY SYSTEM
SIRIM
CERTIFIED TO MS ISO 9001
Registration No. AR 0699

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.

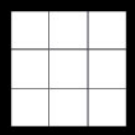
SHADE AND TONALITIES

V1 **UNIFORM** FROM TILE TO TILE

V2 **SLIGHTLY** NOTICEABLE FROM TILE TO TILE

V3 **MODERATELY** NOTICEABLE FROM TILE TO TILE

V4 **DISTINCTLY** NOTICEABLE FROM TILE TO TILE

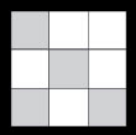


V1

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.

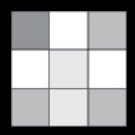


V2

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.

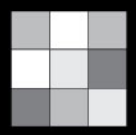


V3

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.



V4

Distinctly noticeable from tile to tile

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 colors from that on other tiles.
Final installation can be unique.

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THE SWISS-QUALITY TILE

PASSIONATE ABOUT LIFE

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www.nirogranite.com

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