

i'pietra

Touch of nature
the defined digital collection



i'pietra

Indulging to the atmosphere of nature, Niro Granite unleashes l'Pietra, the stone designed collection that is crafted through the brilliance of the digital printing technology.

Obtainable in the sizes of 60x60cm and 60x30cm with matt, lappato and structured surfaces, the sagely refined stone design ignites the touch of nature in any architectural concepts and space.

4

COLOURS
BORGOGNA WHITE
JAVA CREMA
BEOLA GREY
ALPINE GREY

2

FORMATS
60x60 cm
60x30 cm

3

FINISHINGS
MATT
LAPPATO
STRUCTURED





Roused by the enthrallment of soft calcareous stone, Borgogna White unveils the fascination of the North France legacy. This speckle white colour manifested the inheritance of the natural resources characteristics that kindles the calm soothing sensation, yet with the evocation of elegance.

GIP01

BORGOGNA
WHITE

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BORGOGNA WHITE MATT

BORGOGNA
WHITE

MATT
LAPPATO

60x60cm
60x30cm



BORGOGNA WHITE 60x60 cm

GIP01



BORGOGNA WHITE 60x30 cm

GIP01

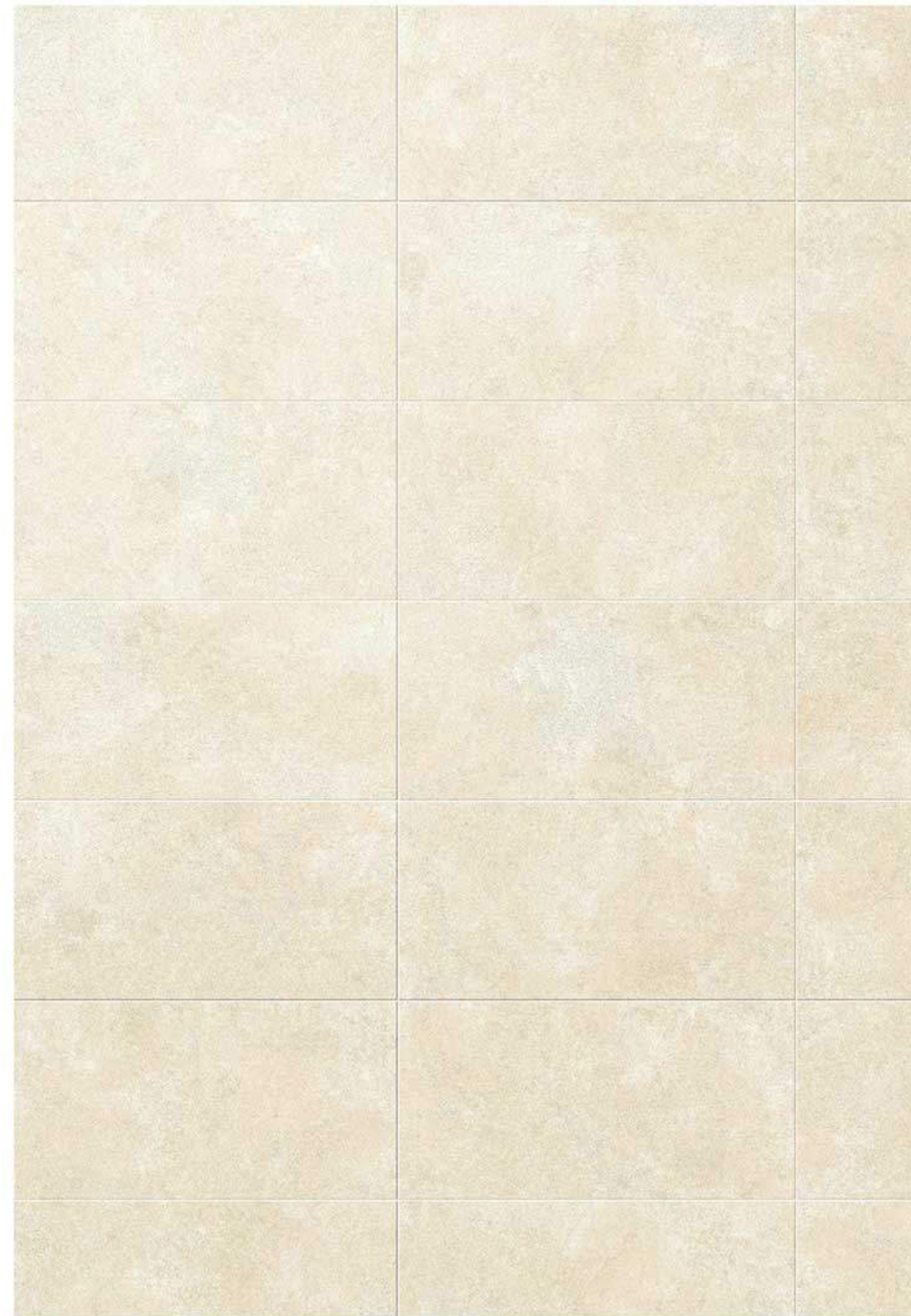




Inspired by the Indonesian marble, Java Crema gratifies the desire to live in an astoundingly pure and natural environment. Stimulated by the quarries of limestone, this natural beige base colour of Java Crema fills the resemblance of the natural rocky mountain consciousness to your living space.

GIP02
JAVA
CREMA

i'pietra





JAVA
CREMA

MATT
LAPPATO

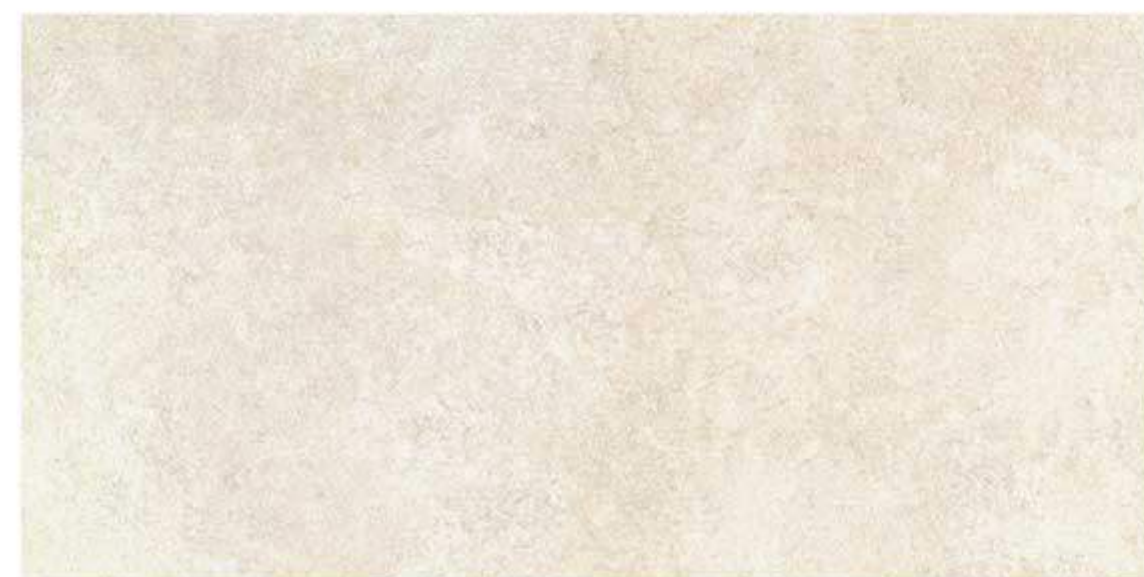
60x60cm

60x30cm



JAVA CREMA 60x60 cm

GIP02



JAVA CREMA 60x30 cm

GIP02

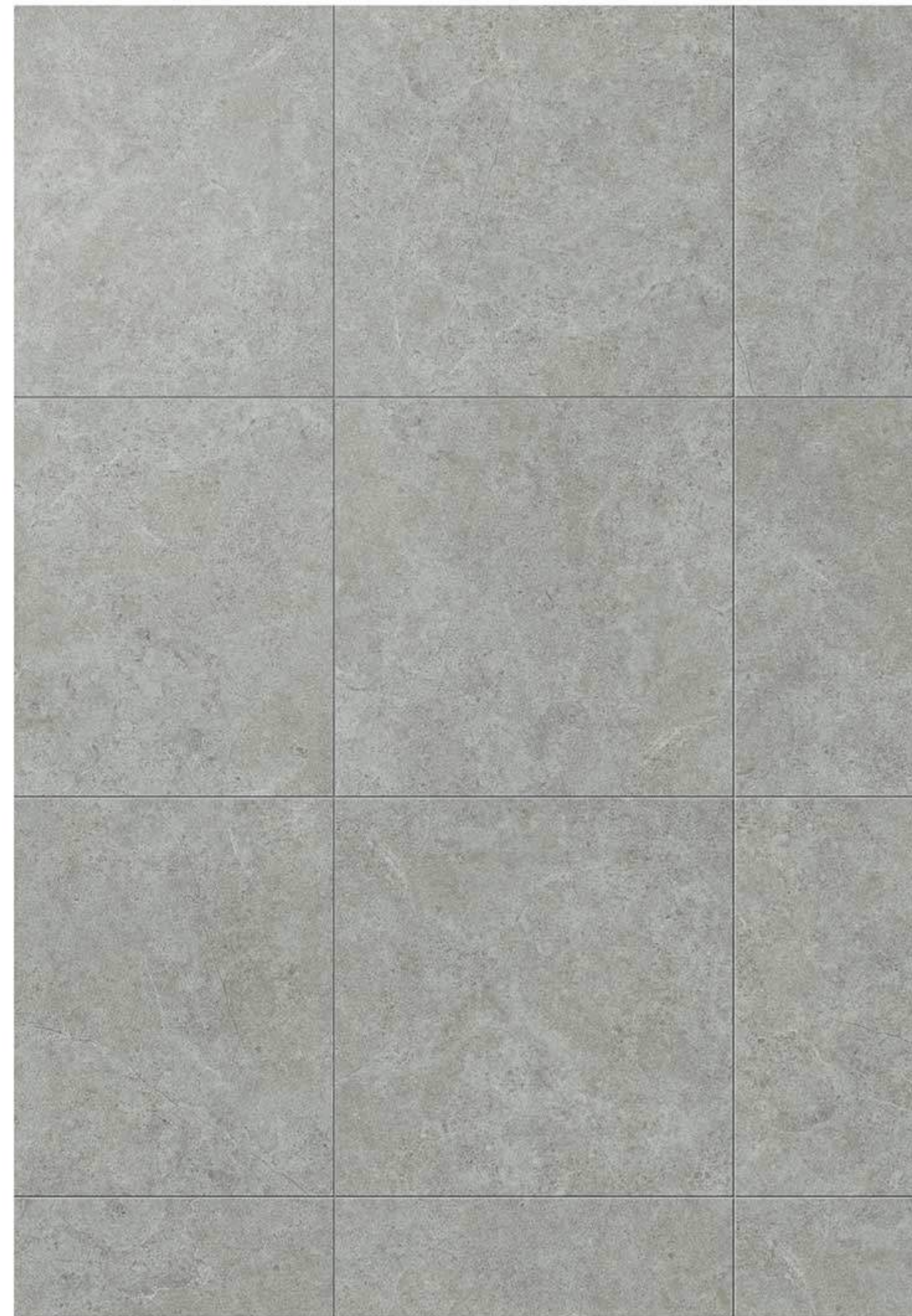




Beola Grey, the creative masterpiece inspired by the Italy's igneous granite stone, epitomizes the true beauty of nature. With the resemblance similar to the sedimentary rock in Italy, be prepared to unfilled the pure anciently sensation of nature to your space.

GIP03
BEOLA
GREY

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BEOLA
GREY

MATT
LAPPATO
STRUCTURED

60x60cm

60x30cm



BEOLA GREY 60x60 cm


GIP03



BEOLA GREY 60x30 cm

GIP03





Galvanized by the robust and vigorous stone in North of Italy, Alpine Grey distinctively fills with the manifestation of the masculine characteristic yet completely liquidated the artistic exquisiteness appearance that defines the Swiss Alps. It does not evoke a strong emotion as the uniqueness of Alpine Grey emulates a natural slate at your home.

GIP04
ALPINE
GREY



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ALPINE GREY LAPPATO

ALPINE
GREY

LAPPATO
STRUCTURED

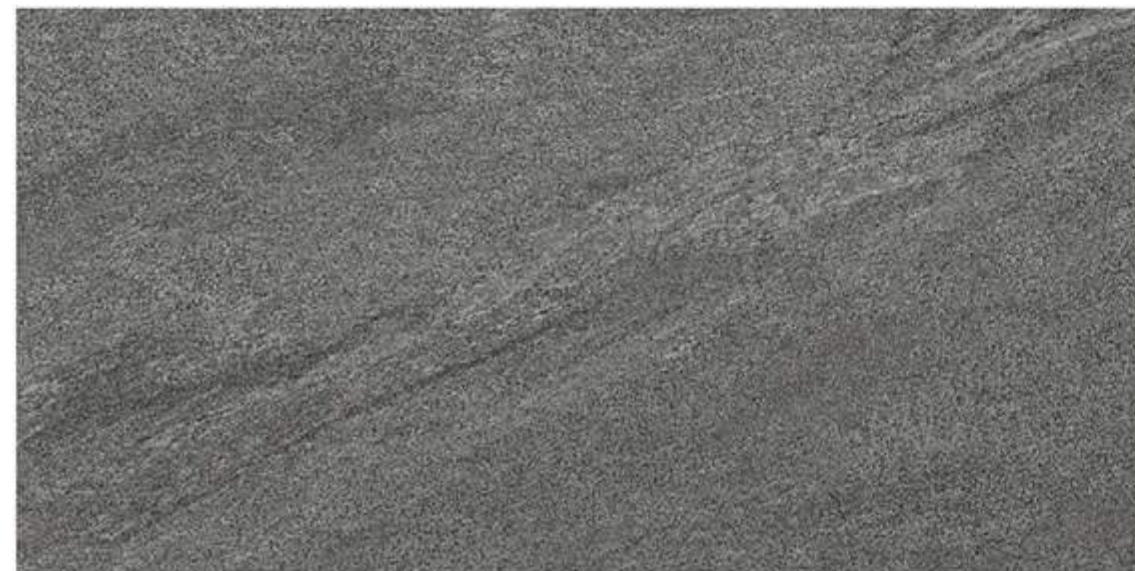
60x60cm

60x30cm



ALPINE GREY 60x60 cm

GIP04



ALPINE GREY 60x30 cm

GIP04



MATT



LAPPATO

STRUCTURED



NIROGRANITE digital

porcelain tiles towards perfection



HI-DEFINITION PRINTING



MINIMAL-REPETITIVE PRINTING



COLOUR & TONE



CUSTOMIZATION



UNLIMITED PRINTABLE SURFACES



PRODUCTION CONSISTENCY



PRODUCT DEVELOPMENT EFFICIENCY

ADVANTAGES OF DIGITAL PRINTING

• HI-DEFINITION PRINTING

- Realistic and ultra-fine looking product.
- Capturing the finest details of the design and the authentic image.

• MINIMAL-REPETITIVE PRINTING

- Each tile has its own uniqueness that can bring out its natural individualistic look.

• COLOUR & TONE

- A lifelike design style product.

• CUSTOMIZATION

- Design and concept can be tailored made.

• UNLIMITED PRINTABLE SURFACES

- Ability to print on all surfaces to make a genuine looking product.

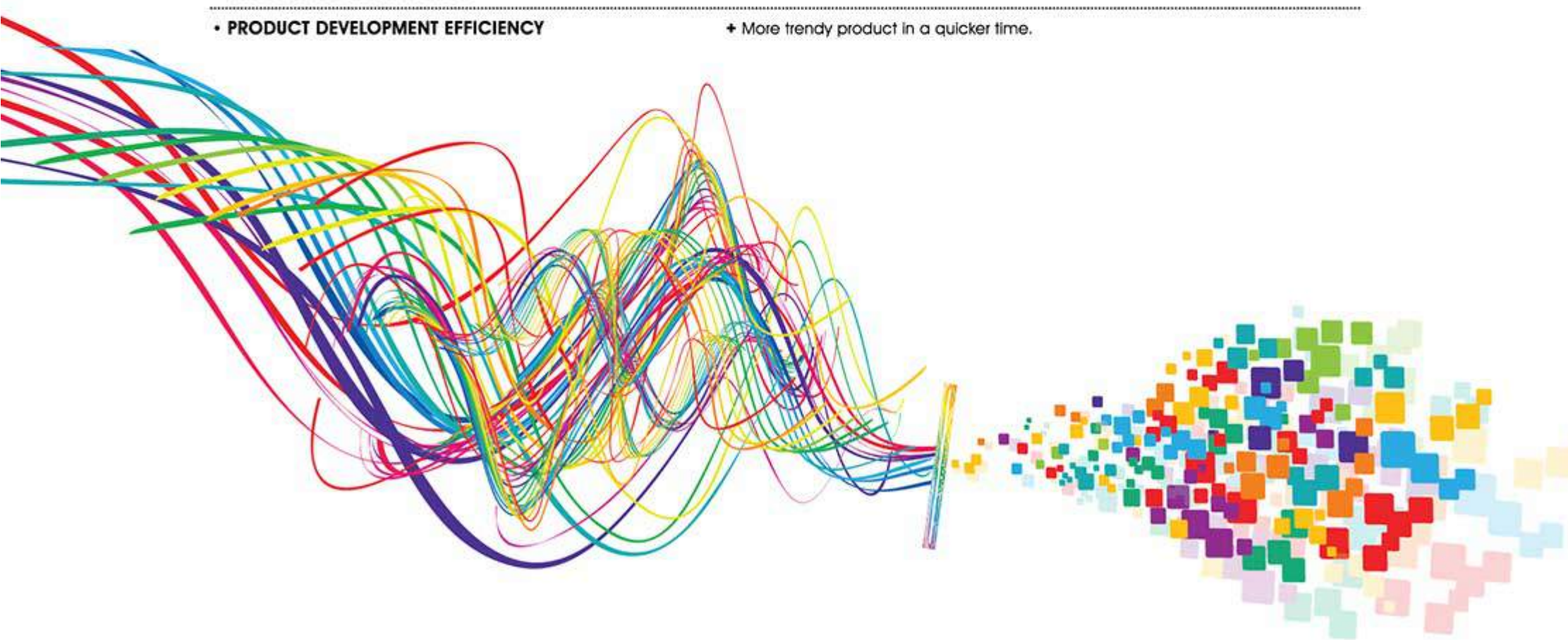
• PRODUCTION CONSISTENCY

- From time to time, shade variation is stable.

• PRODUCT DEVELOPMENT EFFICIENCY

- More trendy product in a quicker time.

VALUE & BENEFIT TO THE CUSTOMER



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 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.

SHADES AND TONALITIES

U1 UNIFORM FROM TILE TO TILE

S1 SLIGHTLY NOTICEABLE FROM TILE TO TILE

M1 MODERATELY NOTICEABLE FROM TILE TO TILE

D1 DISTINCTLY NOTICEABLE FROM TILE TO TILE

U1
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.

S1
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.

M1
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.

D1
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.



PASSIONATE ABOUT LIFE



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