

# BLOOMSBURY

more . than . just . stone +



**more . than . just . stone +**

Niro Granite embarked on the Bloomsbury series to bring you a fiery digital print collection enthused by the coalfields of Northern Europe. This mixed-quartz stone layered design collection is inspired by the illumination of torches struck in paved galleries at the coal mines.

This gallant and fashionable collection, aptly named after the historically artistic garden in central London is available in four spectacular colours. Bloomsbury brings in the manifestation of capriciousness and variability to turn your living space into one that is cultured and illustrious. Be invigorated by the versatility of Bloomsbury; Bloomsbury is more than just stone; it is 'stonely astuteness'.

**BLOOMSBURY**

**4 COLOUR**

- Brook Beige
- Lunar Rock
- Lignite
- Graphite Grey

**2 SURFACE**

- Matt
- Lappato

**2 FORMAT**

- 120x60cm
- 60x60cm



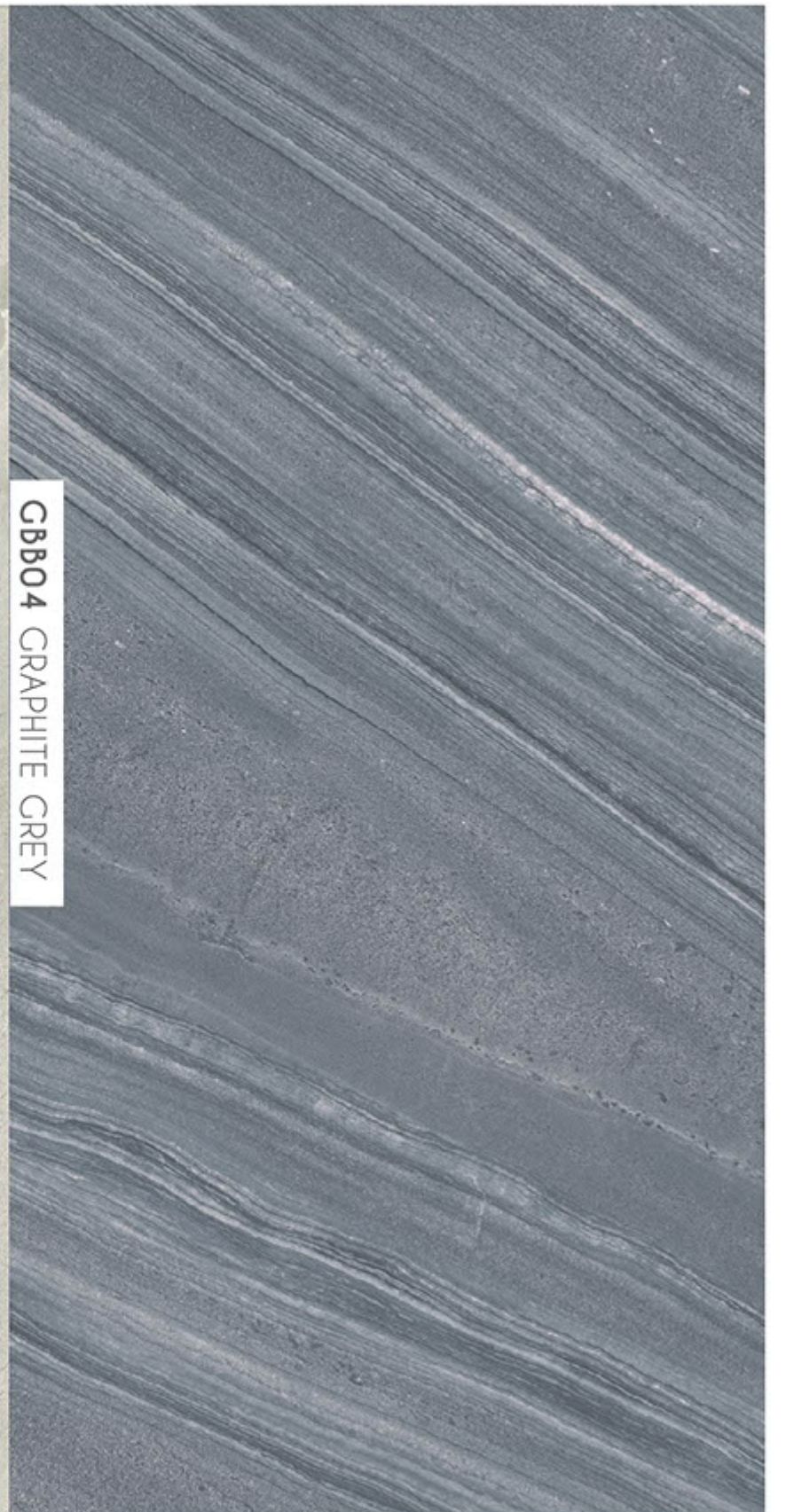
GBB01 BROOK BEIGE



GBB02 LUNAR ROCK



GBB03 LIGNITE



GBB04 GRAPHITE GREY



# BROOK BEIGE

GBB01

Emprise to the journey of exceptional tranquillity, Brook Beige introduces an incredible composed and ambivalent colour that is designed to exhibit the equanimity of the revolutionized stone to your environs. The natural element of Brook Beige is unquestionably suitable for the manifestation of absolute litness and serenity to any styling space.

Bloomsbury **BROOK BEIGE** 120x60 and 60x60 | GBB01

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BROOK  
BEIGE  
120x60  
lappato  
GBB01

60x120

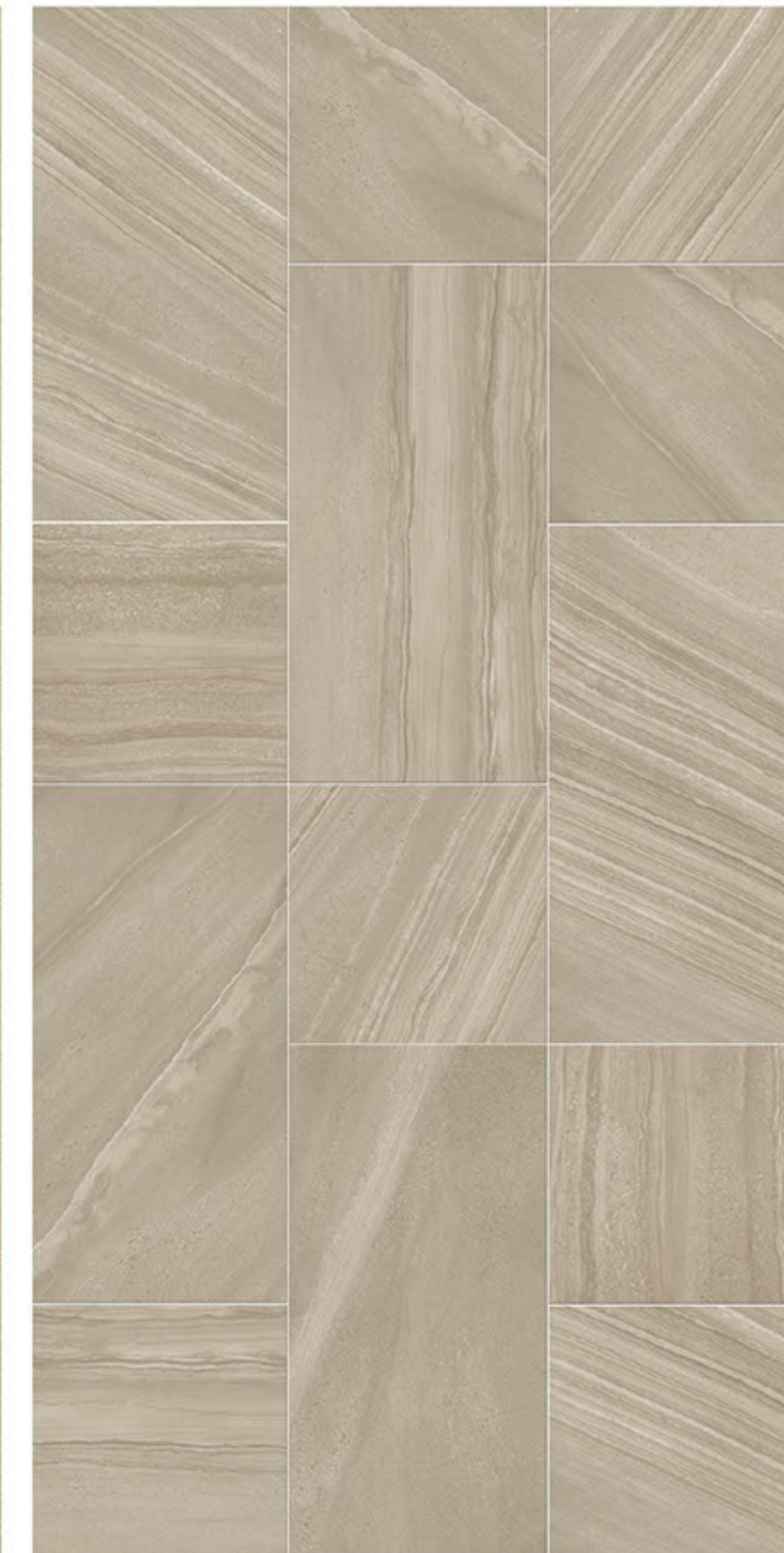


60x60



**GBB01 BROOK BEIGE**  
m a t t • l a p p a t o

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# LUNAR ROCK

GBB02

Be engulfed in the warm and sensual atmosphere of Lunar Rock, the earthy brown colour that inaudibly holds the manifestation of charming and confidence characteristics. Analogous to the lunar meteorites, Lunar Rock enriches your ambience with its breath-taking beauty.

Bloomsbury **LUNAR ROCK** 120x60 and 60x60 | GBB02

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LUNAR  
ROCK  
120x60  
lappato  
GBB02

60x120

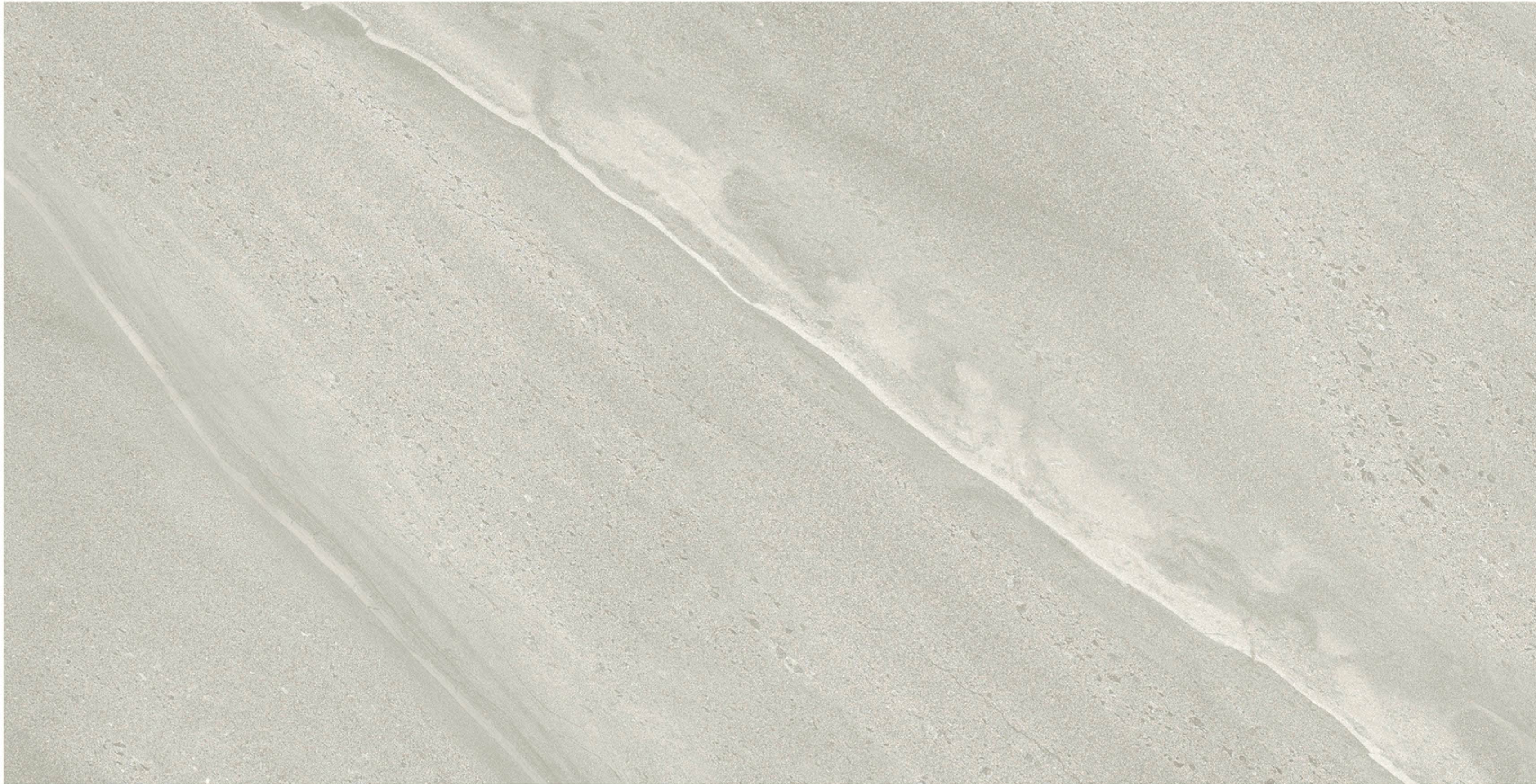


60x60



**GBB02 LUNAR ROCK**  
m a t t • l a p p a t o

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# LIGNITE

GBB03

Lignite, the luxurious sedimentary rock garbed in jaded olive and brownish tone complement with the shadowy colour is definitely a great exemplification of elegance without losing the minimalist touch. Wrapped in the imitation of soft earthy coal, cascade your room with the everlasting beauty of Lignite.

Bloomsbury **LIGNITE** 120x60 and 60x60 | GBB03

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**LIGNITE**

**WALL**  
60x60  
lappato

**FLOOR**  
120x60  
matt

**GBB03**

60x120

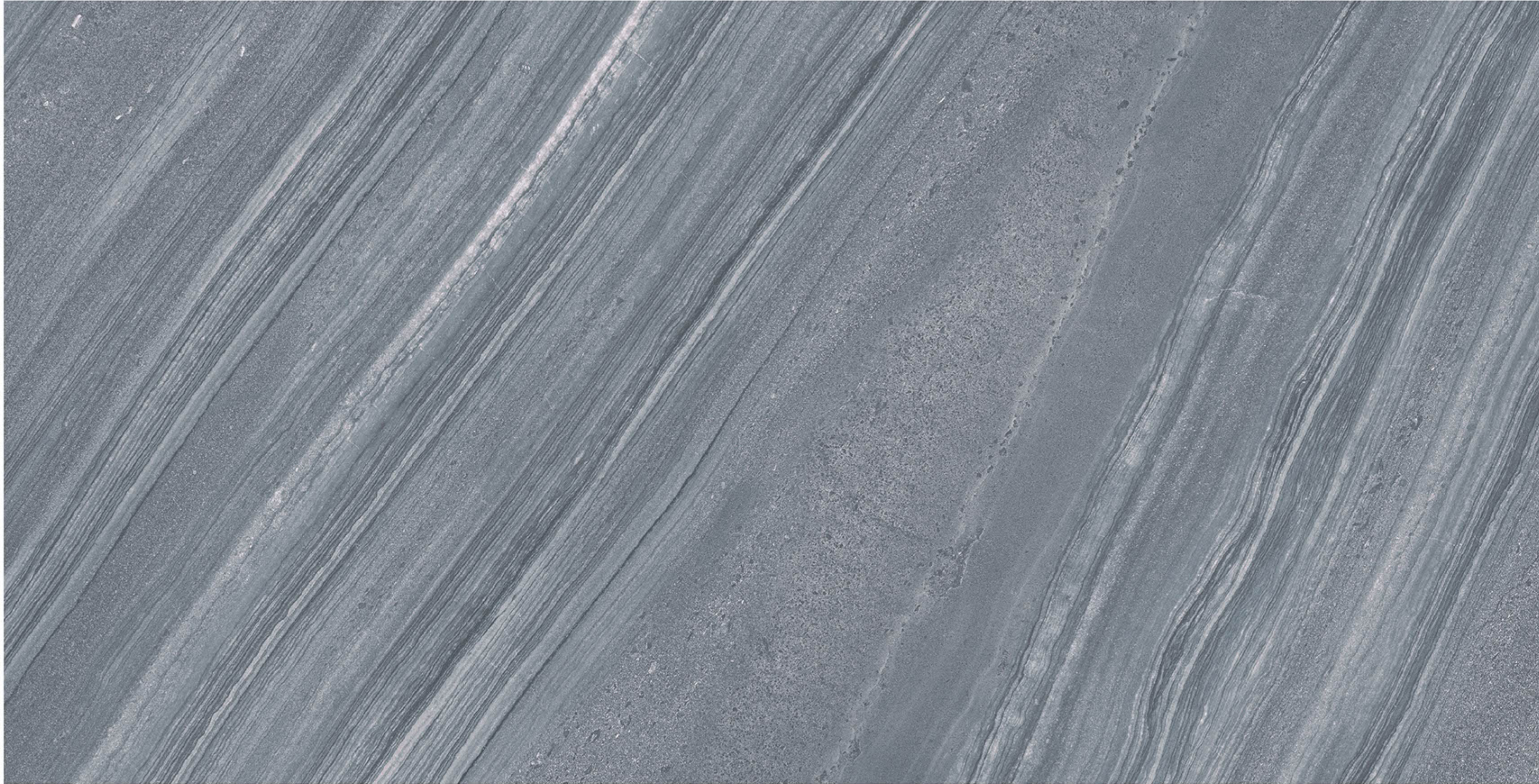


60x60



**GBB03 LIGNITE**  
matt • lappato

**BLOOMSBURY**  
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# GRAPHITE GREY

GBB04

Appease the desire of astute and creativeness in the environs of glorious random stone designs. Indulge to the astonishment of Graphite Grey, the excellent depiction of stylishness in the burst of charming dusky stone that would bring out the ingenuity of every individual interior solutions.

Bloomsbury **GRAPHITE GREY** 120x60 and 60x60 | GBB04

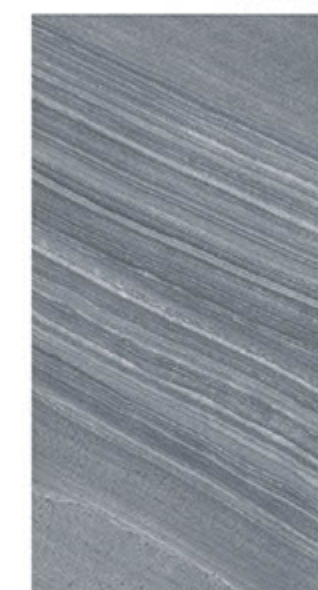
**BLOOMSBURY**  
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**GRAPHITE GREY**  
**FLOOR**  
120x60  
matt  
**GBB04**

**LUNAR ROCK**  
**WALL**  
120x60  
matt  
**GBB02**

60x120



60x60



**GBB04 GRAPHITE GREY**  
matt • lappato

**BLOOMSBURY**  
more than just stone

G6601  
**BROOK BEIGE**  
120x60 - 60x60 | matt - lappato

G6602  
**LUNAR ROCK**  
120x60 - 60x60 | matt - lappato

G6603  
**LIGNITE**  
120x60 - 60x60 | matt - lappato

G6604  
**GRAPHITE GREY**  
120x60 - 60x60 | matt - lappato



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# NIROGRANITE digital

porcelain tiles towards perfection



HI-DEFINITION  
PRINTING



MINIMAL-REPETITIVE  
PRINTING



COLOUR & TONE



CUSTOMIZATION



UNLIMITED PRINTABLE  
SURFACES



PRODUCTION  
CONSISTENCY



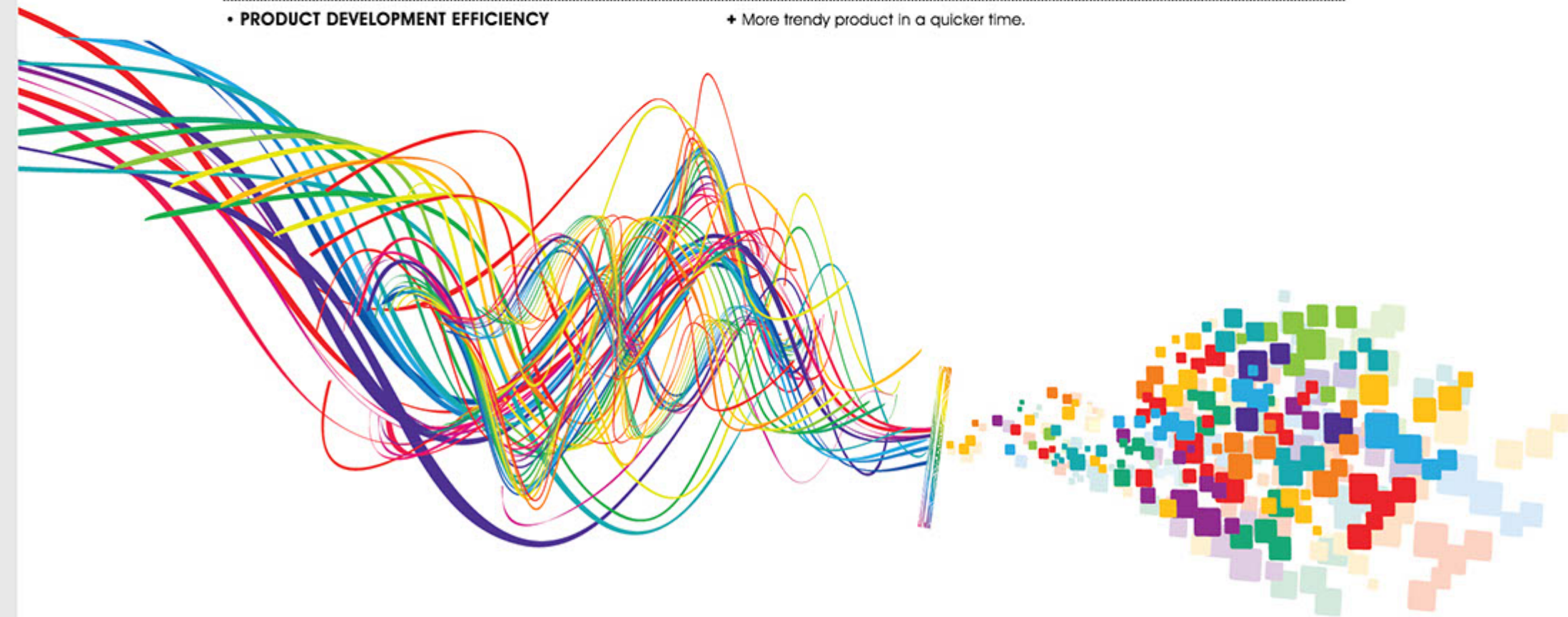
PRODUCT DEVELOPMENT  
EFFICIENCY

## ADVANTAGES OF DIGITAL PRINTING

- **HI-DEFINITION PRINTING**
- **MINIMAL-REPETITIVE PRINTING**
- **COLOUR & TONE**
- **CUSTOMIZATION**
- **UNLIMITED PRINTABLE SURFACES**
- **PRODUCTION CONSISTENCY**
- **PRODUCT DEVELOPMENT EFFICIENCY**

## VALUE & BENEFIT TO THE CUSTOMER

- Realistic and ultra-fine looking product.
- Capturing the finest details of the design and the authentic image.
- Each tile has its own uniqueness that can bring out its natural individualistic look.
- A lifelike design style product.
- Design and concept can be tailored made.
- Ability to print on all surfaces to make a genuine looking product.
- From time to time, shade variation is stable.
- More trendy product in a quicker time.



# 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 <sup>2</sup>	≥ 35 N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup>
Deep Abrasion	MS ISO 10545 - 6	mm <sup>3</sup>	≤ 175 mm <sup>3</sup>	≤ 160 mm <sup>3</sup>
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)






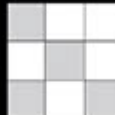
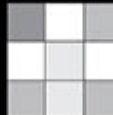
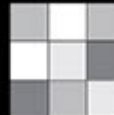
Each different tiles series are produced to meet different performance requirements. For specific product technical performance, please request from Niro Granite sales team or their agent or distributor.

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
 <p><b>L1</b> 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><b>L2</b> 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><b>L3</b> 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><b>L4</b> 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 of other tiles. Final installation can be unique.</p>



**PASSIONATE** ABOUT LIFE