

pietra **Basaltina**

FULL BODY PORCELAIN TILE



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FULL BODY PORCELAIN TILE



FROM LAVA • WITH LOVE

Its beauty may hypnotize, but lava – or molten rock – is the most forbidding of natural materials. Upon the lava's transformation – as it cools and hardens over a short period of time to form dark igneous rock – that its loveliness can be harvested for use.

WHITE BASALT
GBS01



pietra **Basaltina**
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GBS 02 | GREY BASALT

FROM LAVA • WITH LOVE

Hardened lava is known as 'basalt' – a volcanic stone valued in art, architecture and construction for its durability, versatility, texture and smoky beauty. And it is this rock which lends its substance, form and name to our magnificent line of tiles known as 'Pietra Basaltina'.

GREY BASALT
GBS02



DARK GREY
BASALT GBS03

pietra **Basaltina**
FULL BODY PORCELAIN TILE



GBS 03 | DARK GREY BASALT

FROM LAVA • WITH LOVE

Appearing otherworldly, mysterious and alive, like swirls of solidified smoke, the Pietra Basaltina line infuses any space with an air of mystique, sophistication and vibrating energy. The Pietra Basaltina line is infused with a sleek finesse and refinement that are utterly unique and inimitable. Its natural properties are equally matchless – its surface, though smooth and silky, boasts a non-slip quality; its hue does not fade with time; and it contains strong heat and noise-isolation properties, all of which make for the perfect environment in which time stands still and the stresses of the world melt away.



BLACK BASALT
GBS04

pietra **Basaltina**
FULL BODY PORCELAIN TILE



GBS 04 | BLACK BASALT

FROM LAVA • WITH LOVE

Available in White, Shade of Greys and Black and in the dimensions of 60cm x 30cm and 60cm x 60cm, the Pietra Basaltina line of full body tiles will drastically change your living and working environment, the way lava has beautifully and drastically shaped the surface of the earth since its very inception.

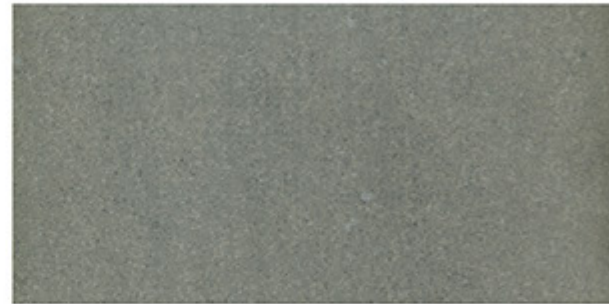
pietra **Basaltina**
FULL BODY PORCELAIN TILE

FROM LAVA • WITH LOVE

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GBS01 | WHITE BASALT 60cm x 30cm



GBS02 | GREY BASALT 60cm x 30cm



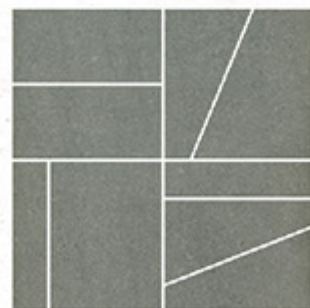
GBS01 | WHITE BASALT 60cm x 60cm



GBS02 | GREY BASALT 60cm x 60cm



GBS01 | WHITE BASALT
Mosaico 30cm x 30cm

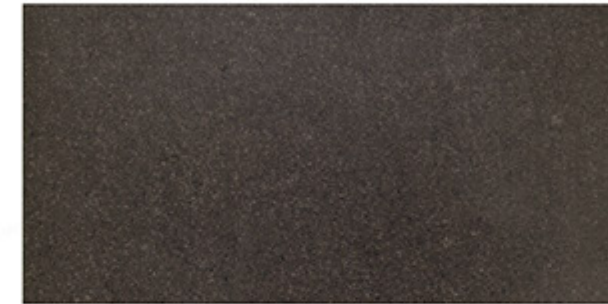


GBS02 | GREY BASALT
Mosaico 30cm x 30cm

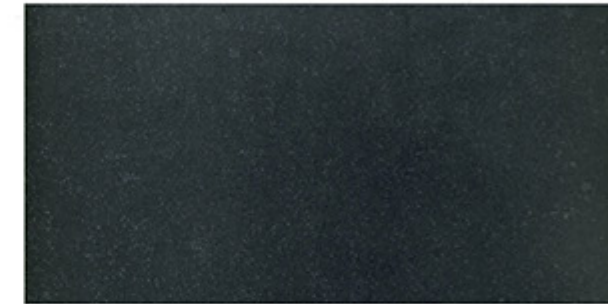


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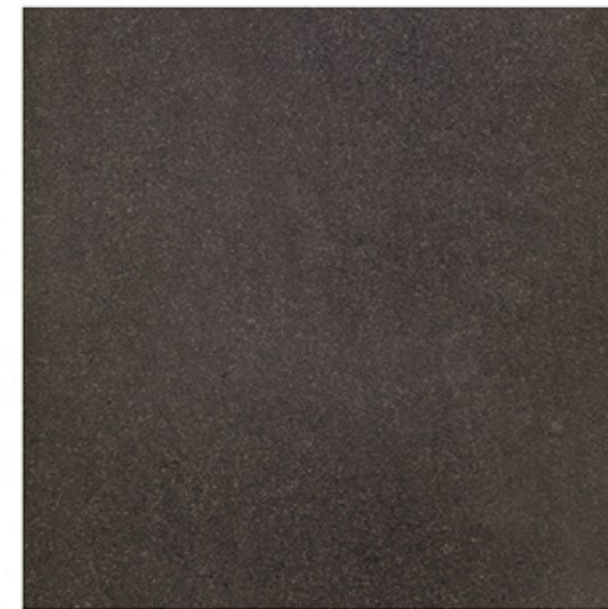
Available in White, Shade of Greys and Black and in the dimensions of 30x60 and 60x60, the Pietra Basaltina line of full body tiles will drastically change your living and working environment, the way lava has beautifully and drastically shaped the surface of the earth since its very inception.



GBS03 | DARK GREY BASALT 60cm x 30cm



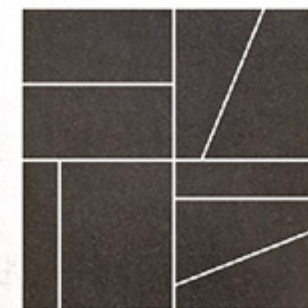
GBS04 | BLACK BASALT 60cm x 30cm



GBS03 | DARK GREY BASALT 60cm x 60cm



GBS04 | BLACK BASALT 60cm x 60cm



GBS03 | DARK GREY BASALT
Mosaico 30cm x 30cm



GBS04 | BLACK BASALT
Mosaico 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 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

 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, as that one tile may have totally different colour from that of other tiles. Final installation can be unique.



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