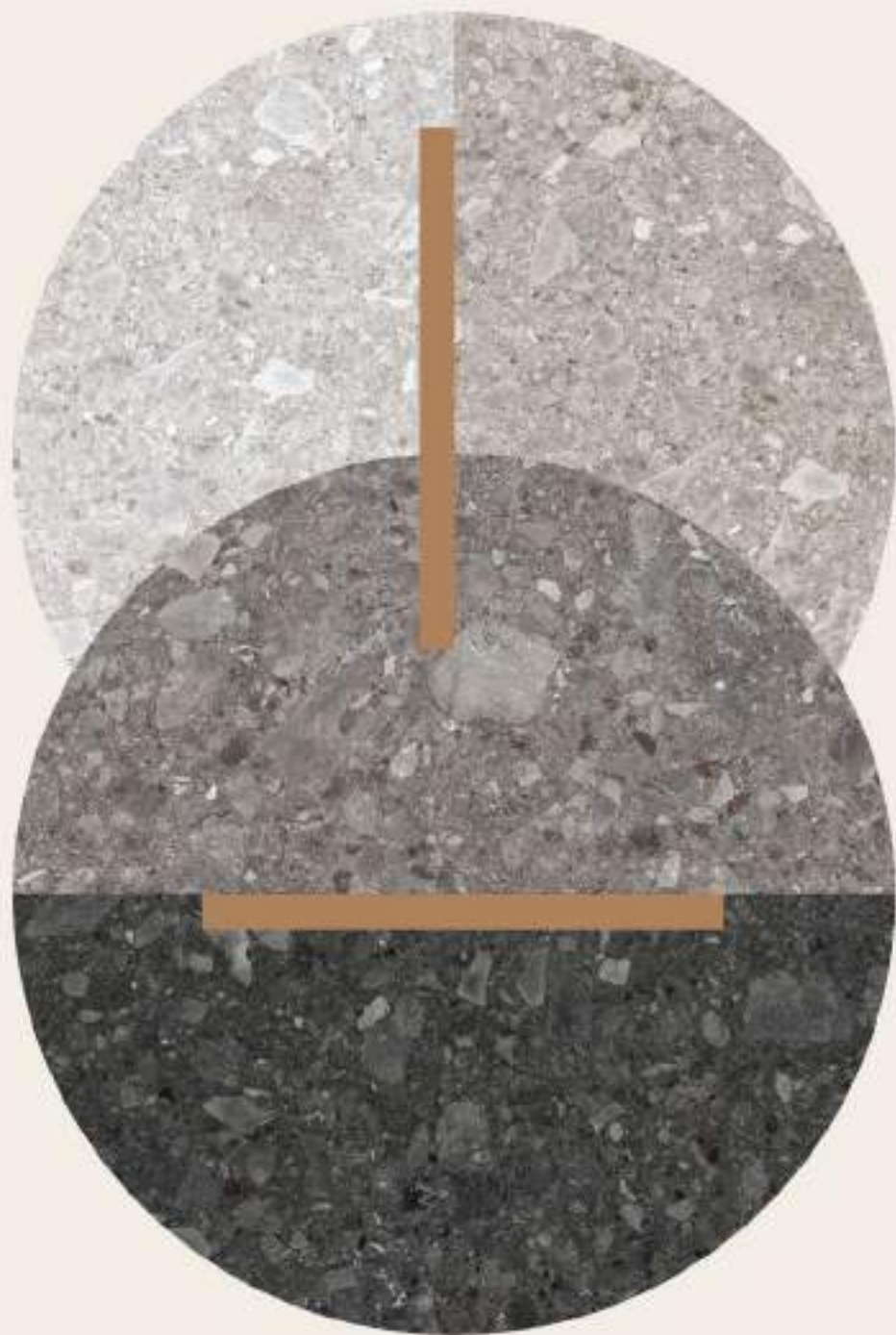
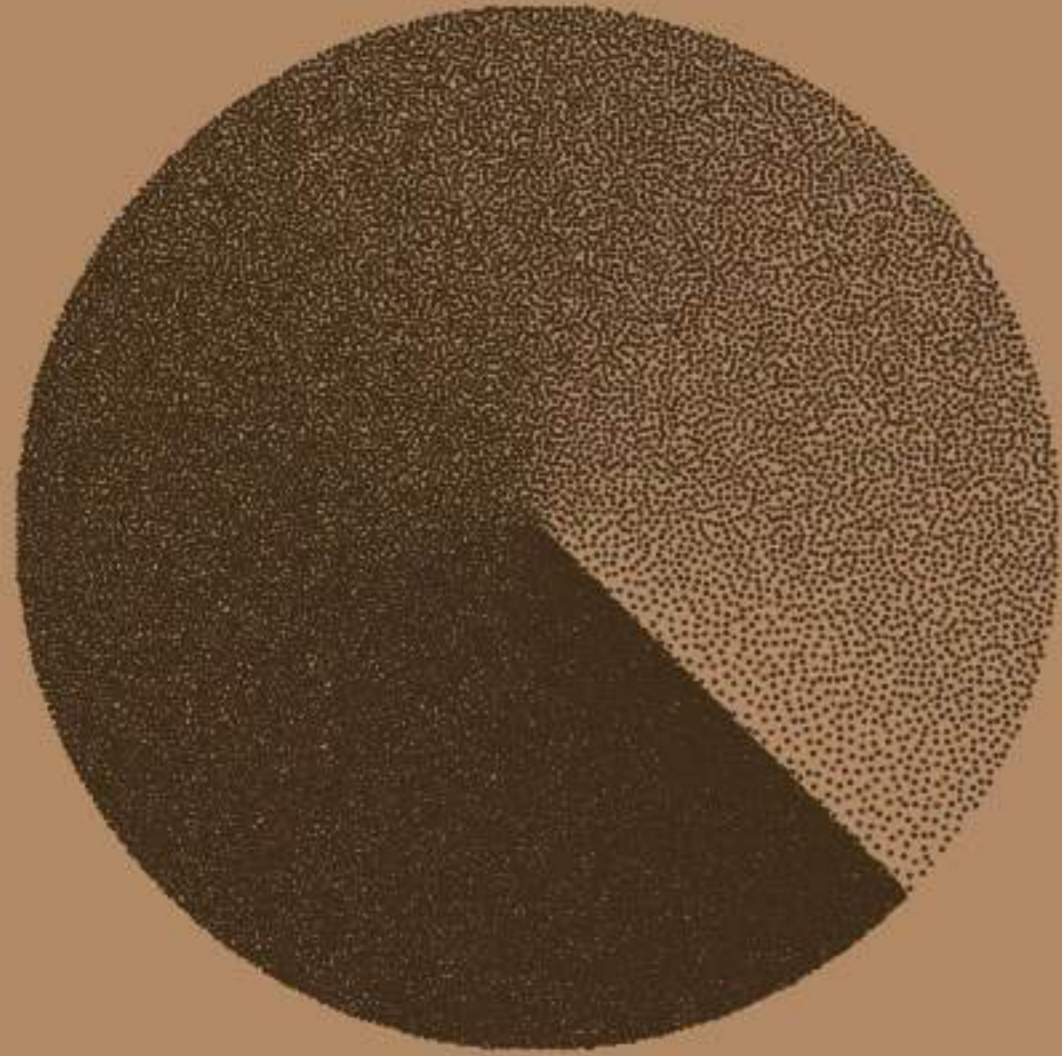


# PEDREGAL

A CONGLOMERATE OF EXPRESSION





**PEDREGAL**

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Retaining the conventional look of asymmetrical designs and imaginations, Pedregal by Niro Granite, a contemporary stoneware of tiles crafted from the inspiration of the prestigious Italian stone in Ceppo di Gré, adopts ubiquitous and elegant characteristics that paradoxically draws attention with its grey hues from natural stone.

With the inclusion of a modern breakthrough – the Slip-Stop surface, this collection weaved in a sense of exclusivity into wet prone areas such as the bathroom or outdoors, in both commercial and residential design. Expressing safety as a key to the spaces, Pedregal tiles convey a conglomerate appearance in new age creation.



*Ceppo di Gré*

## Slip-Stop features



Excellent anti-slip effect when wet, resistance to accidents on slippery floors



Anti-Slip with high durability surface



Easy to clean and maintain, stain resistance



Same series can be used indoors and outdoors creating seamless design

## SLIP-STOP SURFACE, THE ONE SURFACE THAT MEETS DIVERSE NEEDS

Say goodbye to slips at home with revolutionary slip-stop tiles. Smooth surface that produces anti-slip effect when in contact with water. One tile – multiple applications.



## BRECCIA

CPD01  
60x120cm - 60x60cm  
slip-stop

## CEPPO

CPD02  
60x120cm - 60x60cm  
slip-stop

## ISEO

CPD03  
60x120cm - 60x60cm  
slip-stop

## PALLADI

CPD04  
60x120cm - 60x60cm  
slip-stop

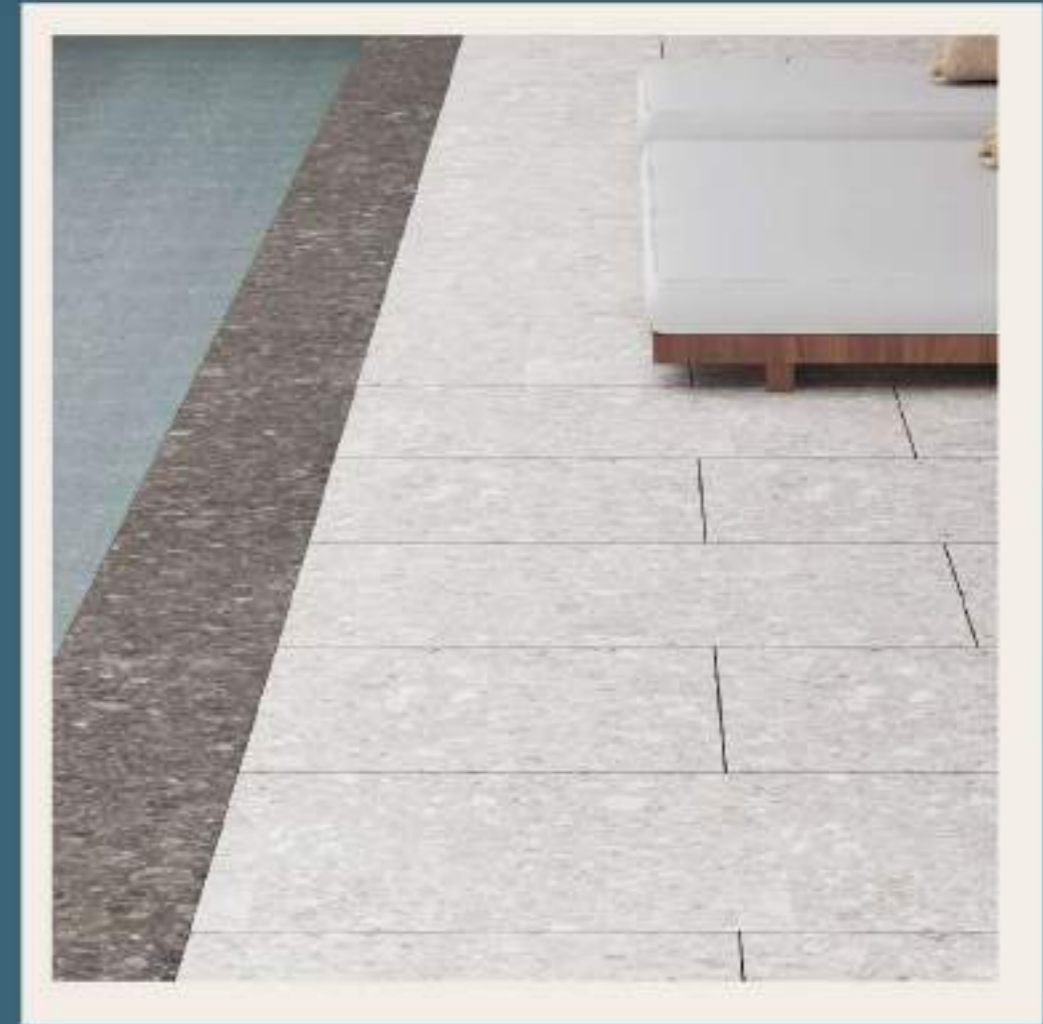


in

out

Same tile series is suitable for indoors and outdoors

**A** PEDREGAL GPD03 ISEO | 60x120cm | Slip-Stop **B** PEDREGAL GPD03 ISEO | 60x60cm | Slip-Stop



Excellent anti-slip effect when wet,  
resistance to accidents on slippery floors

**A** PEDREGAL  
GPD01 BRECCIA  
| 60x120cm  
| Slip-Stop

**B** PEDREGAL  
GPD03 ISEO  
| Slip-Stop





Ubiquitous and elegant characteristics  
that paradoxically draws attention

 FEDREGAL GPD02 CEPPO | 60x120cm | 51p-Stop

Easy to clean  
and maintain,  
stain resistance



**A** PEDREGAL  
GPD03 ISEO  
160x120cm  
1 Slip-Stop

**B** PEDREGAL  
GPD04 PALLADI  
160x120cm  
1 Slip-Stop

The logo for 'out' features a simple line-art house icon above the word 'out' in a lowercase, sans-serif font.





Designed for dry to wet prone areas  
with the advanced technology of Slip-Stop

A PEDREGAL GPD01 BRECCIA | 160x120cm | Slip-Stop

B PEDREGAL GPD04 PALLADI | 60x60cm | Slip-Stop





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## BRECCIA

GPD01

**SIZE**  
60x120cm  
60x60cm

**SURFACE**  
slip-stop

**SHADE VARIATION**  
V2





# PEDREGAL

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## CEPPO

GPD02

**SIZE**  
60x120cm  
60x60cm

**SURFACE**  
slip-stop

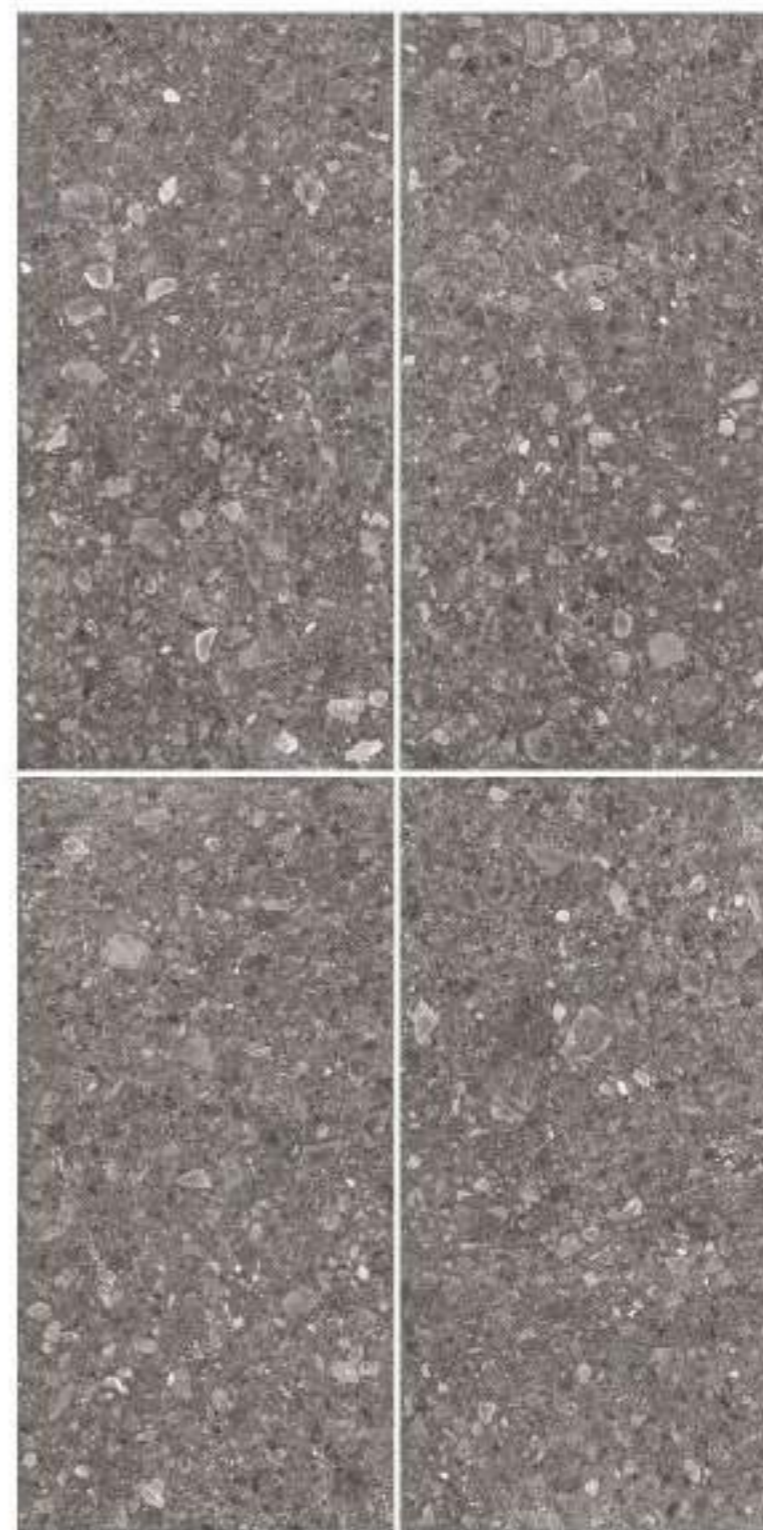
**SHADE VARIATION**  
V2





# PEDREGAL

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## ISEO

GPD03

**SIZE**  
60x120cm  
60x60cm

**SURFACE**  
slip-stop

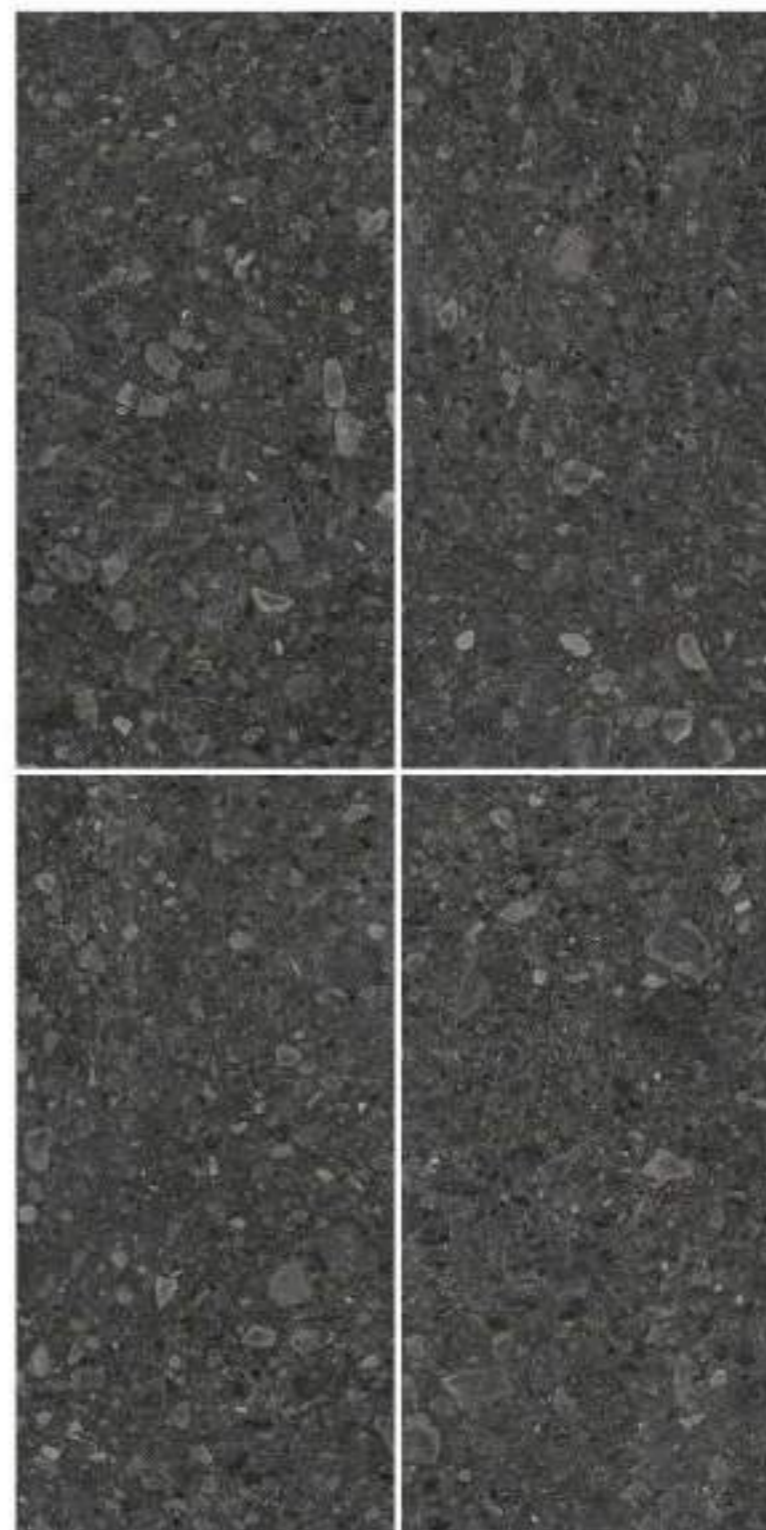
**SHADE VARIATION**  
V2





# PEDREGAL

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## PALLADI

GPD04

**SIZE**  
60x120cm  
60x60cm

**SURFACE**  
slip-stop

**SHADE VARIATION**  
V2



## TECHNICAL SPECIFICATIONS

DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT	NIRO GRANITE
Length & Width	ISO 10545-2	mm	±0.6% Max	±0.30% Max
Thickness	ISO 10545-2	mm	±0.6% Max	±0.6% Max
Sides Straightness	ISO 10545-2	mm	±0.5% Max	±0.25% Max
Rectangularity	ISO 10545-2	mm	±0.5% Max	±0.25% Max
Flatness: a) Centre Curvature b) Edge Curvature c) Warpage	ISO 10545-2 ISO 10545-2 ISO 10545-2	mm mm mm	±0.5% Max ±0.5% Max ±0.5% Max	±0.20% Max / Max 2.0mm ±0.20% Max / Max 2.0mm ±0.20% Max / Max 2.0mm
Surface Quality	ISO 10545-2	One Major Area of Tiles	≥ 95% free from visible defects	Comply
Water Absorption	ISO 10545-3	Mass	≤0.5%	≤0.20%
Breaking Strength	ISO 10545-4	N	≥ 1300 N	≥ 1300 N
Modulus of Rupture	ISO 10545-4	N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup> Individual ≤ 32 N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup> Individual ≤ 32 N/mm <sup>2</sup>
Abrasion Resistance Surfaces Abrasion for glazed tiles	ISO 10545-7	Visual Check	Manuf. to state abrasion class, cycle and passed	≤ FC13 (Dependent on product type)*
Crazing Test (glazed tiles)	ISO 10545-11	Visual Check	No Sign of Crazing	No Sign of Crazing
Heat Resistance	ISO 10545-12	Visual Check	Required	No Visible Crack
Chemical Resistance a) Low concentrations b) Household chemicals and swimming pool salts	ISO 10545-13 ISO 10545-13	Visual Check Visual Check	Manuf. to state ≥ Class II	Class A Class A
Stain Resistance For glazed tiles	ISO 10545-14	Visual Check	≥ Class 3	≥ Class 3
Coefficient of Friction (wet and dry) (Including Polished and Semi-polished tile)	AS/NZS 4586-2013 App.A	Manuf. to State	Manuf. to State	Wet Pendulum: P4

\* Refer to test report for specific test result





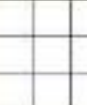



Each different tile series are produced to meet different performance requirements. For specific product technical performance, please request from NiRo Granite sales team, their agent or distributor.

Colour Variation: Given the colour reproduction in this printed piece will vary from the actual tile colours, final selection areas will be made from tile samples. Colour, sheen and glaze variations may occur 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 12064 & 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 VARIATION

 <p><b>UNIFORM</b> FROM TILE TO TILE</p>	 <p><b>SLIGHTLY NOTICEABLE</b> FROM TILE TO TILE</p>	 <p><b>MODERATELY NOTICEABLE</b> FROM TILE TO TILE</p>	 <p><b>DISTINCTLY NOTICEABLE</b> FROM TILE TO TILE</p>
 <p><b>UNIFORM</b> FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is relatively uniform from tile to tile. There is minimal to no difference among pieces from the same production run.</p>	 <p><b>SLIGHTLY NOTICEABLE</b> FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is slightly noticeable from tile to tile. There are clearly distinguishable differences in design pattern or pattern with subtle or slight change in colour tone.</p>	 <p><b>MODERATELY NOTICEABLE</b> FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is moderately noticeable from tile to tile. There are clearly distinguishable differences in design pattern or pattern.</p>	 <p><b>DISTINCTLY NOTICEABLE</b> FROM TILE TO TILE</p> <p>The range of colours and tones within the same shade is distinctly different from tile to tile. Fluctuations in colour and design feature differences can be seen from tile to tile. One tile may have clearly different colour from another tile. Fluctuations can be noticed.</p>

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