

# Pero

~ Redefining texture with art ~

CHIESA  
PER  
CROSE

CALLE  
DEI MORTI

AL VAIORETTO  
← →



**NIRO GRANITE**  
THE SWISS-QUALITY TILE

# Pero

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Elevate your space with Pero, the latest collection of travertine cross-cut designed tiles. Inspired by the historic town of Pero in Italy, this range reimagines the classic travertine design for the modern era.

Pero offers a captivating selection of four colours, catering to diverse design preferences - from the timeless warmth of traditional tones to the contemporary versatility of cooler greys.

Unlike conventional cross-cut tiles, Pero features a unique textural element - subtle, swirling movements that dance across the surface. This captivating detail adds depth and dimension to your space, creating a truly unique aesthetic.

Pero is as functional as it is beautiful. Available in both matt and structured finishes, Pero is perfect for both indoor and outdoor applications.



# Pero

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with art ~

4

## Colours

Ceira . Cassia  
Puirá . Paro

2

## Sizes

60x120cm  
60x60cm

2

## Surfaces

Matt . Structured

1

## Shades

V3



GGPE04 PARO

GGPE03 PUIRA

GGPE02 CASSIA

GGPE01 CEIRA



WALL :  
GGPE01 Ceira | 60x60 . Matt

FLOOR :  
GGPE03 Pura | 60x60 . Matt



WALL :

**GGPE04 Pero I** 60x60 . Matt

FLOOR :

**GGPE01 Ceira I** 60x60 . Matt



FLOOR :

GGPE02 Cassia | 60x60 . Matt



WALL :  
**GGPE01 Ceira I** 60x60 . Matt

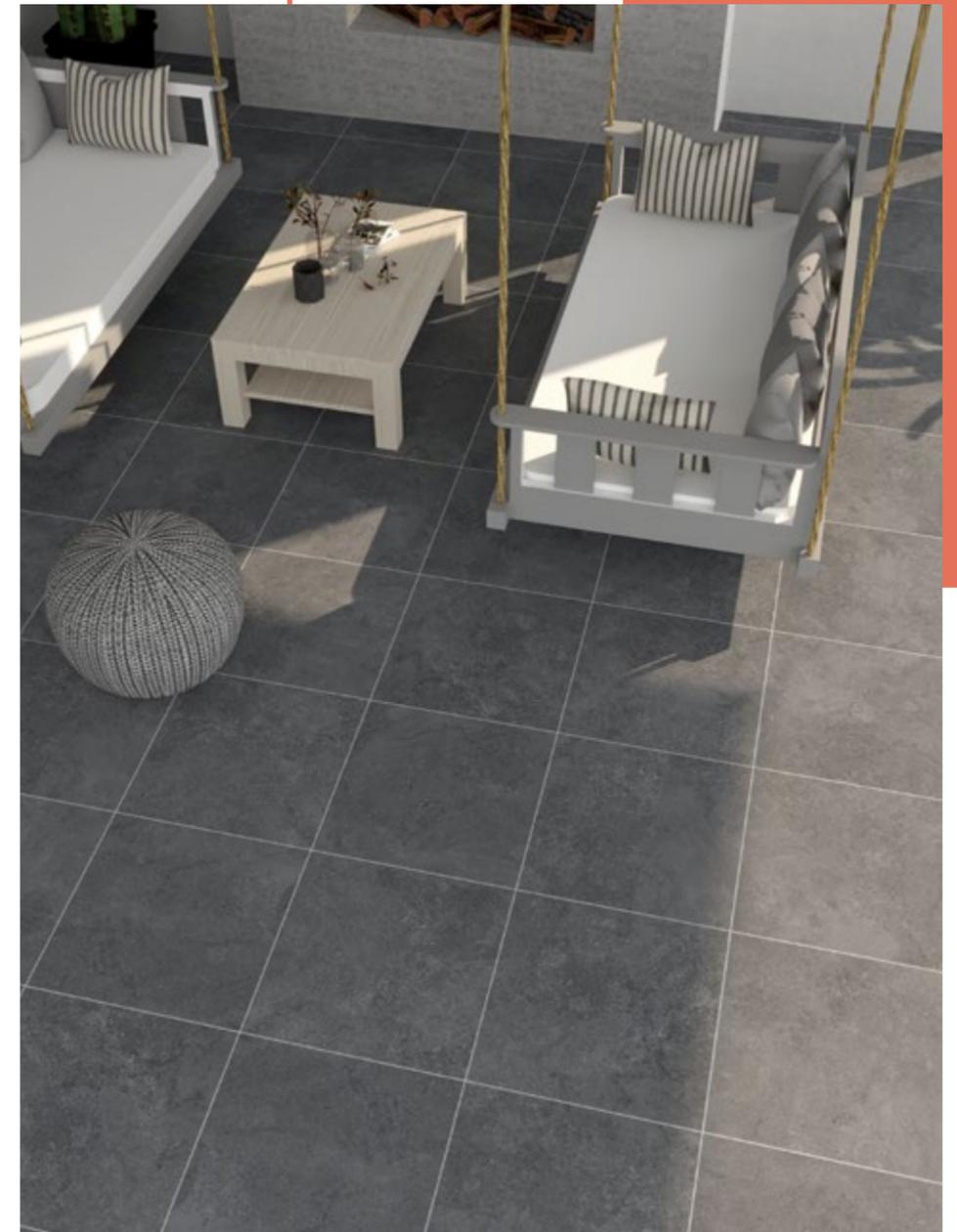
FLOOR :  
**GGPE03 Puirá I** 60x60 . Matt

Pero



FLOOR :  
GGPE04 Pero | 60x60 . Structured

 **NIRO GRANITE**  
THE SWISS QUALITY TILE



FLOOR :  
GGPE04 Pero | 60x60 . Structured

# Pero

GGPE01 CEIRA  
Matt . Structured . V3



## GGPE01 CEIRA

Matt . Structured . V3

60x120cm . 60x60cm



# Pero

# Pero

GGPE02 CASSIA  
Matt . Structured . V3



## GGPE02 CASSIA

Matt . Structured . V3

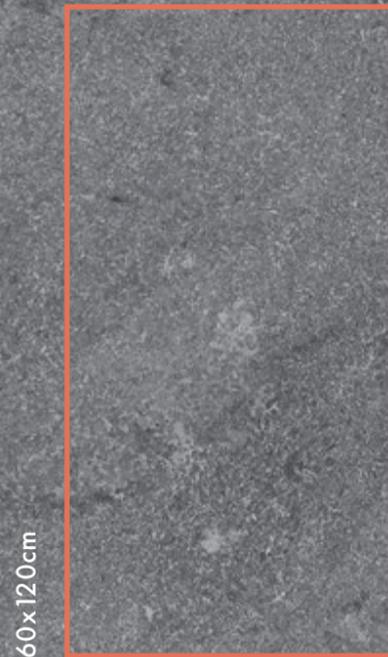
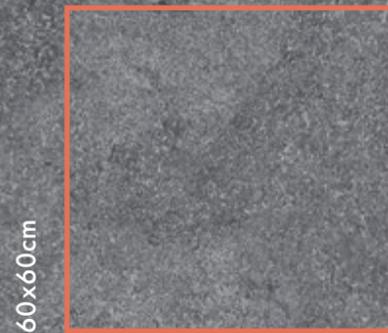
60x120cm . 60x60cm



# Pero

# Pero

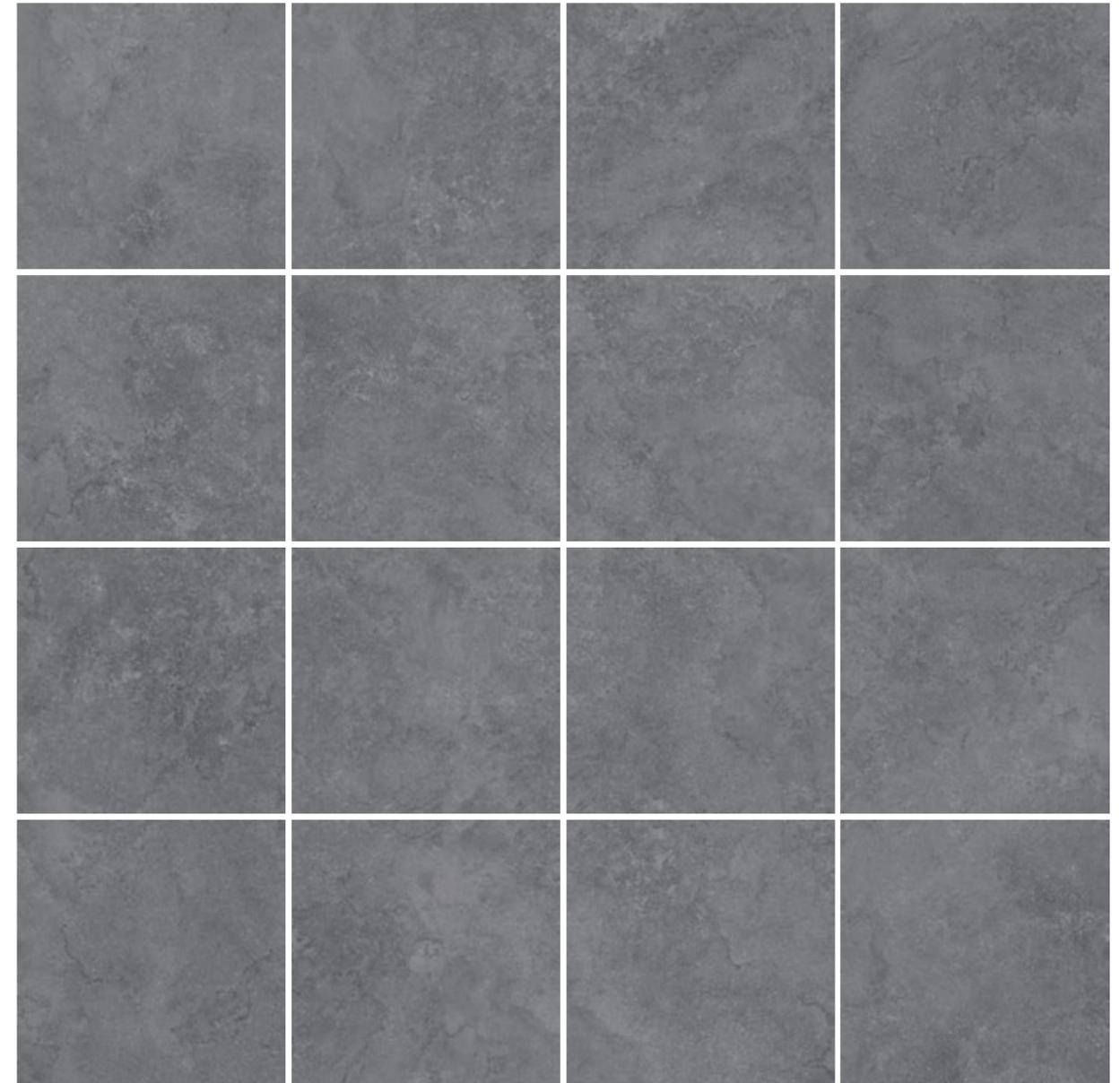
GGPE03 PUIRA  
Matt . Structured . V3



## GGPE03 PUIRA

Matt . Structured . V3

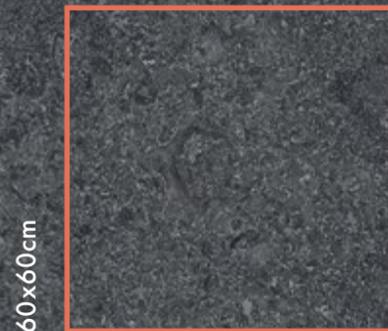
60x120cm . 60x60cm



# Pero

# Pero

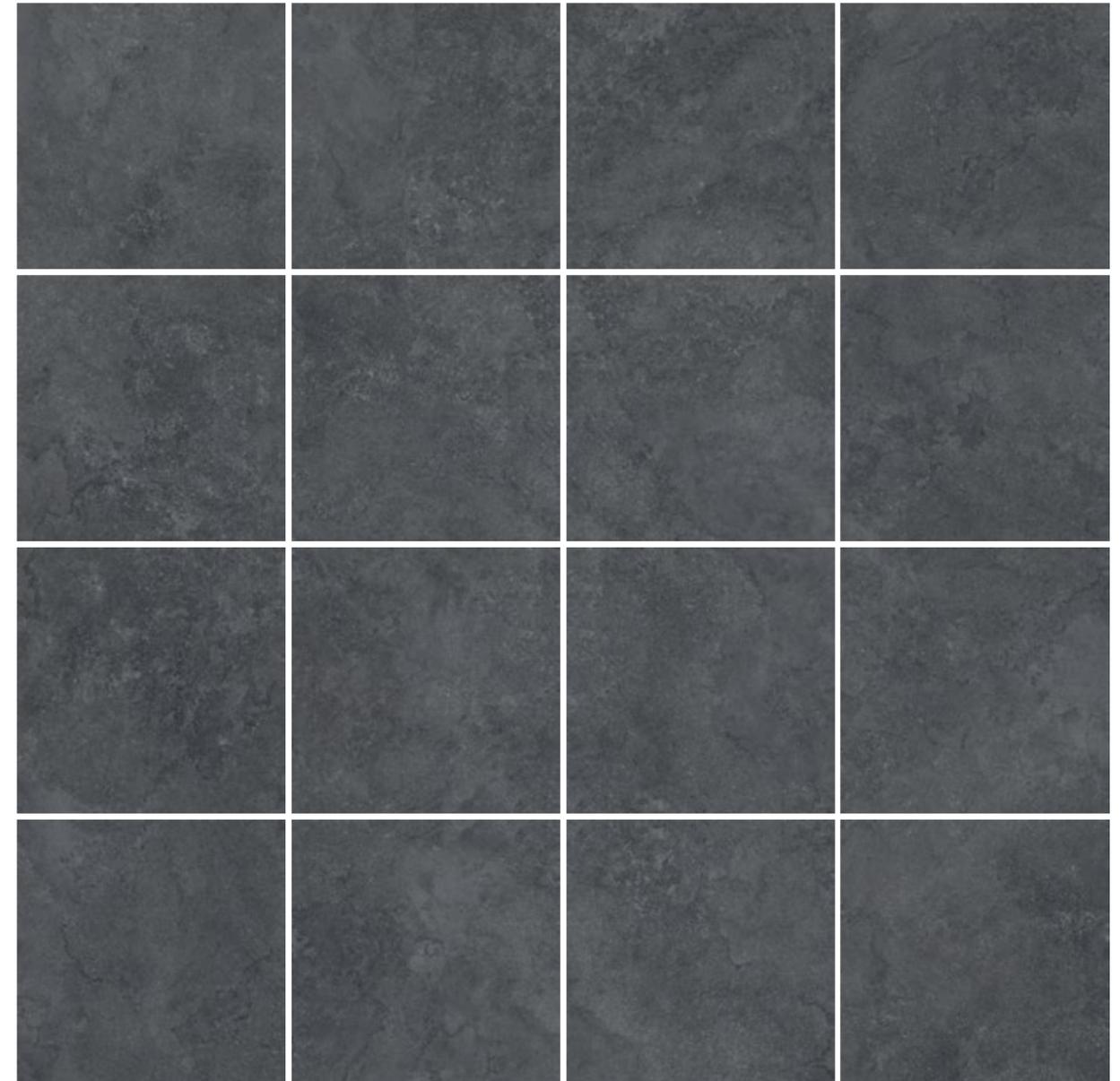
GGPE04 PARO  
Matt . Structured . V3



## GGPE04 PARO

Matt . Structured . V3

60x120cm . 60x60cm



Pero

# TECHNICAL SPECIFICATIONS

DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT (MS ISO 13006:2020)	NIRO GRANITE
Length & Width	SO 10545 -2	mm	NR: ±0.6%, ±2.0m m R: ±0.3%, ±1.0m m	±0.30% / Max ± 1.0mm
Thickness	ISO 10545 -2	mm	±5.0%, ±0.5mm	±5.00% / Max ± 0.5mm
Sides Straightness	SO 10545 -2	mm	NR: ±0.5%, ±1.5m m R: ±0.3 %, ±0.8m m	±0.25% / Max ± 0.6mm
Rectangularity	SO 10545 -2	mm	NR: ±0.5%, ±2.0m m R: ±0.3 %, ±1.5m m	±0.25% / Max ± 1.0mm
Flatness	a) Centre Curvature	mm	NR: ±0.5%, ±2.0m m R: ±0.4 %, ±1.8m m	±0.20% / Max ± 1.8mm (300x300 ±0.3%) ±0.20% / Max ± 1.8mm
	b) Edge Curvature	mm	NR: ±0.5%, ±2.0m m R: ±0.4 %, ±1.8m m	±0.20% / Max ± 1.8mm (300x300 ±0.3%) ±0.20% / Max ± 1.8mm
	c) Warpage	mm	NR: ±0.5%, ±2.0m m R: ±0.4 %, ±1.8m m	±0.20% / Max ± 1.8mm (300x300 ±0.3%) ±0.20% / Max ± 1.8mm
Surface Quality	ISO 10545 -2	One Major Area of Tiles	Free from defect sC	comply
Water Absorption	SO 10545 -3	Percent Mass Fraction	Ev ≤ 0.5 % Individual Max 0.6 %	≤0.20%
Breaking Strength	A) Thickness ≥ 7.5mm	N	Not less than 1300N	≥ 1300 N
	B) Thickness < 7.5m m	N	Not less than 700N	≥ 700 N
Modulus of Rupture, in Newtons per square millimetre (Not applicable to tiles with breaking strength ≥ 3000N )	ISO 10545 -4	N/mm <sup>2</sup>	Min 35 N/ mm <sup>2</sup> Individual min 32 N/ mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup> Individual ≥ 32 N/mm <sup>2</sup>
Abrasion Resistance	a) Deep Abrasion for unglazed tile sl	mm <sup>3</sup>	Max 175 mm <sup>3</sup> Report abrasion class and cycles passed	≤ 160 mm <sup>3</sup> ≥ PEI 3 ( Dependent on product type )*
	b) Surfaces Abrasion for glazed tile sl	Visual Check		
Crazing Test (glazed tiles)	ISO 10545 -11V	Visual Check	Required N	No Sign of Crazing
Frost Resistance	ISO 10545 -12V	Visual Check	Required	No Sign of Frost
Chemical Resistance	a) Low concentrations	Visual Check	Manuf. To State	Class A ≥ Class B (For Polished Tile)
	b) Household chemicals and swimming pool salts	Visual Check	Minimum BC	Class A ≥ Class B (For Polished Tile)
Stain Resistance	a) For unglazed tile s	Visual Check	Test Method Available >	Class 3 ( Dependent on product type ) *
	b) For glazed tile sl	Visual Check	Min Class 3>	Class 3
Slip Resistance (Excluding Polished, Lappato and Matt Satin finishing)	AS/NZS 4586 App. A	P0 to P5	Manuf. to State	Matt : P 2 Structured : P4

\* Refer to test report for specific test result. \*R=Rectified ; \*NR=Non-rectified

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 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 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 texture or pattern with similar or slight change in colour tones.</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 texture 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. Random colour and design texture differences can be seen from tile to tile. One tile may have totally different colour from another tile. Final installation can be unique.</p>



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