

Sonosand

The Sand-sational Collection





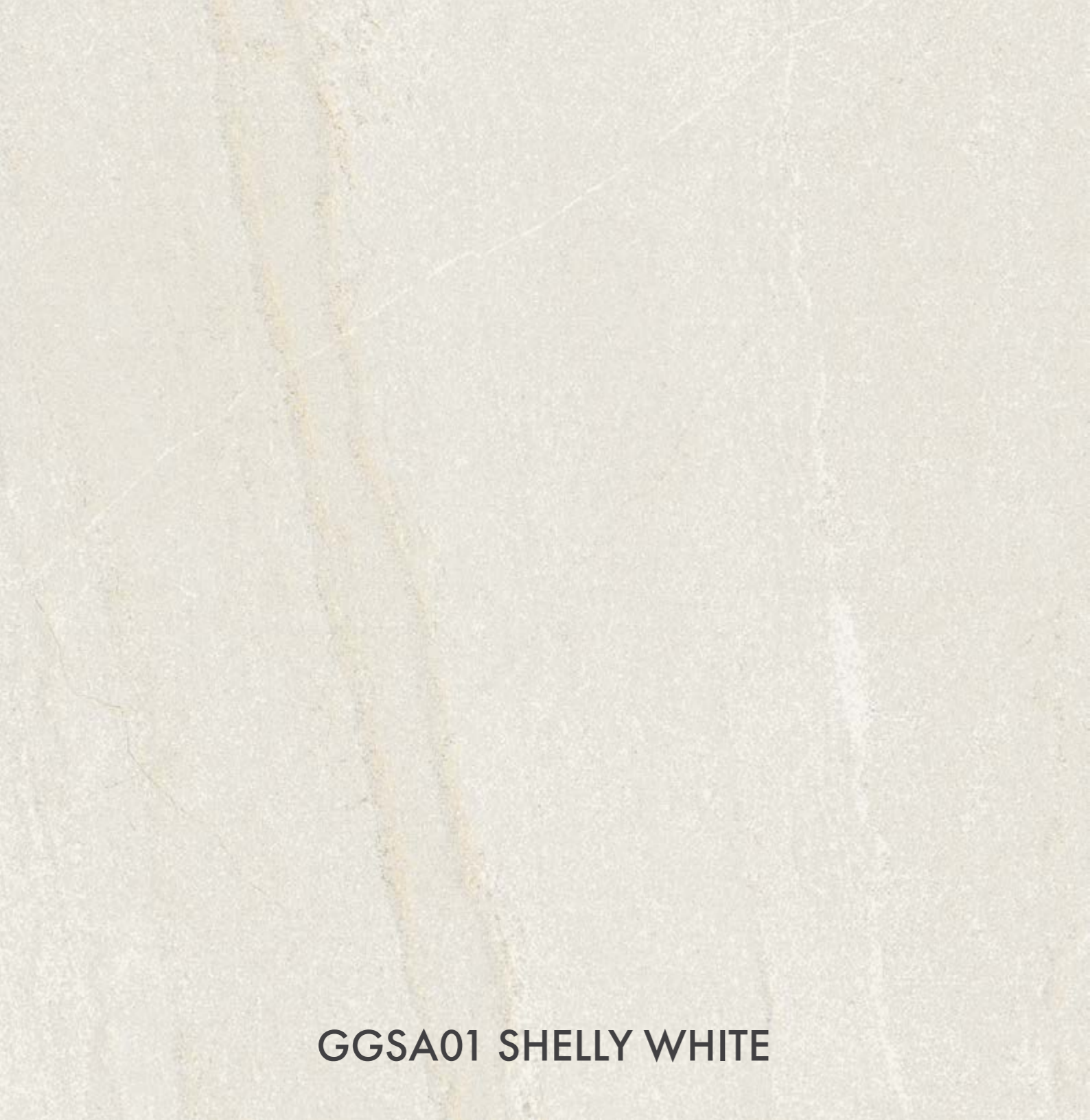
“
Close your eyes
Feel the warmth of the sun
caresses your skin
Breathe in the clean briny smell
that rises with the waters as you listen to
the song of the lark
the lapping of the waves on the shore
Your heartbeats gradually steady ”

Sonosand

The Sand-sational Collection

– Inspired by Nature's Masterpiece

That is the magic of Sonosand, a new series of technical porcelain tiles that has gripped our imaginations as much as it draws inspiration from the beautiful sandy bays and beaches. Its swirling patterns simulate those formed on the soft sand fringed by the sea: constantly shifting under pressure – stirred by the ebb and flow of tides and swinging winds – the sand often sports carefree strokes that are distinctive to the nautical landscapes. No matter your address, Sonosand promises to deliver a beauty and laid-back vibe unique to the coastal setting to you and your home.



GGSA01 SHELLY WHITE

Imagine the joy as you frolic on the sandy white beach in search for the perfect shell specimen. Shelly White is a reflection of such wonder and innocence. Just as it awakens a sense of playfulness and curiosity, the soft, off-white shade also gives any urban home a romantic, bohemian flair.

SHELLY WHITE

GGSA01 | 60x120cm . 60x60cm . 30x60cm
Matt . Structured . V2

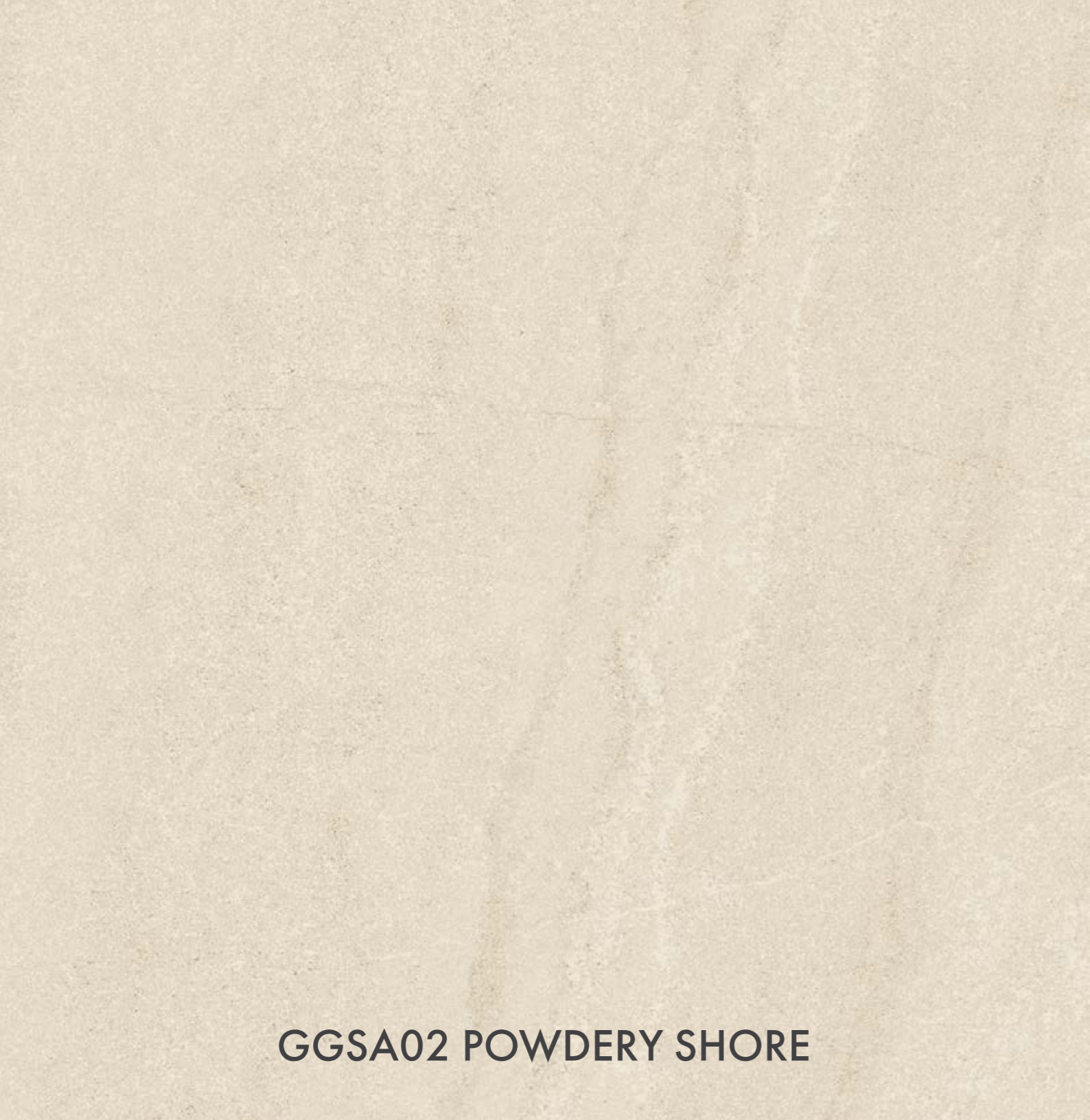




GGSA01 SHELLY WHITE I 60x120cm structured + GSACA COMBO A 29.4x27.2cm



GGSA01 SHELLY WHITE I 60x60cm matt



GGSA02 POWDERY SHORE

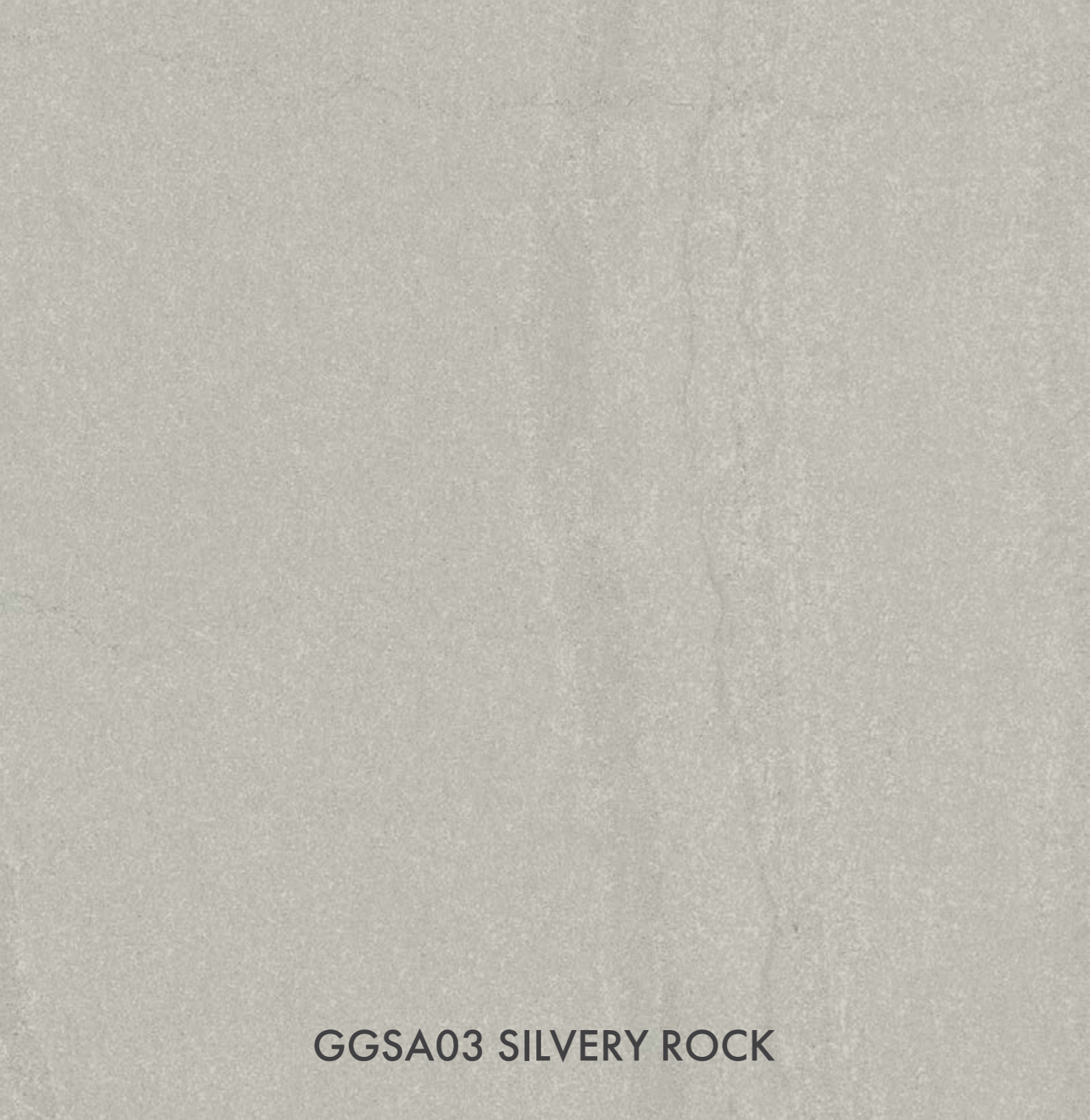
Powdery Shore is a versatile option with a sunny disposition. Its earthy neutral hue easily fits into any interior concept – bold or monochromatic – establishing its status as an evergreen favourite. Mimicking the golden shorelines, it lights up your space with a warm glow that endures even after the sun has long set.

POWDERY SHORE

GGSA02 | 60x120cm . 60x60cm . 30x60cm
Matt . Structured . V2







GGSA03 SILVERY ROCK

Having taken cue from the geological formation of layered rock and sedimentary that shapes the irregular outlines and contours of many coastal regions, Silvery Rock naturally stands out. The pale grey makes a luxe, sophisticated backdrop and creates interesting contrasts when paired with brighter, lighter palettes.

SILVERY ROCK

GGSA03 | 60x120cm . 60x60cm . 30x60cm
Matt . Structured . V2

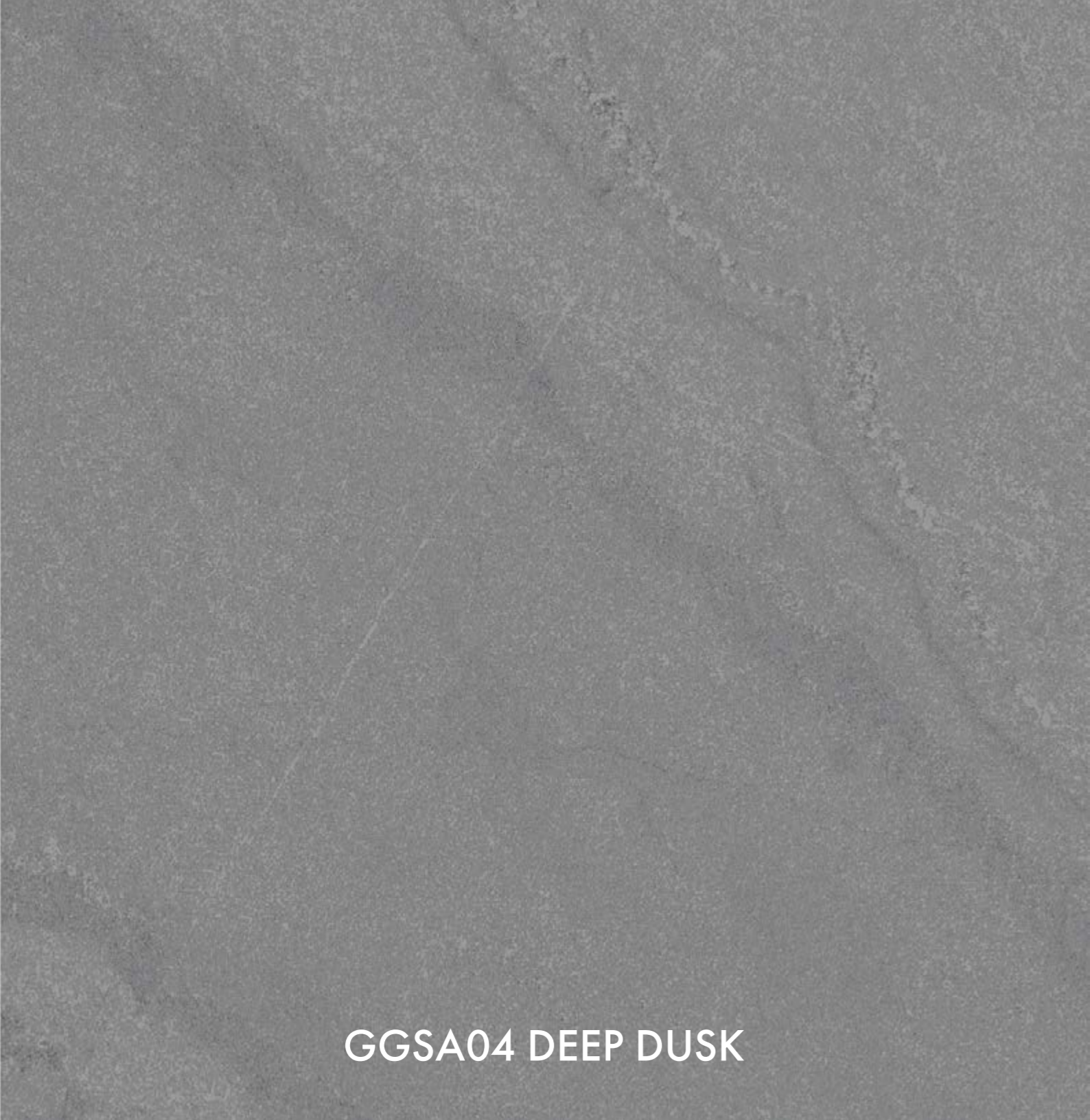




GGSA03 SILVERY ROCK I 60x120cm matt



GGSA03 SILVERY ROCK I 60x120cm matt



GGSA04 DEEP DUSK

When the last rays of the setting sun disappear over the horizon and the copper hues give way to a dusty grey, a peace and quiet falls upon the water and its adjacent land. Deep Dusk radiates such air of serenity. Offering a refuge from the clamour of the outside world, it is sure to revive any flagging city spirits.

DEEP DUSK

GGSA04 | 60x120cm . 60x60cm . 30x60cm
Matt . Structured . V2

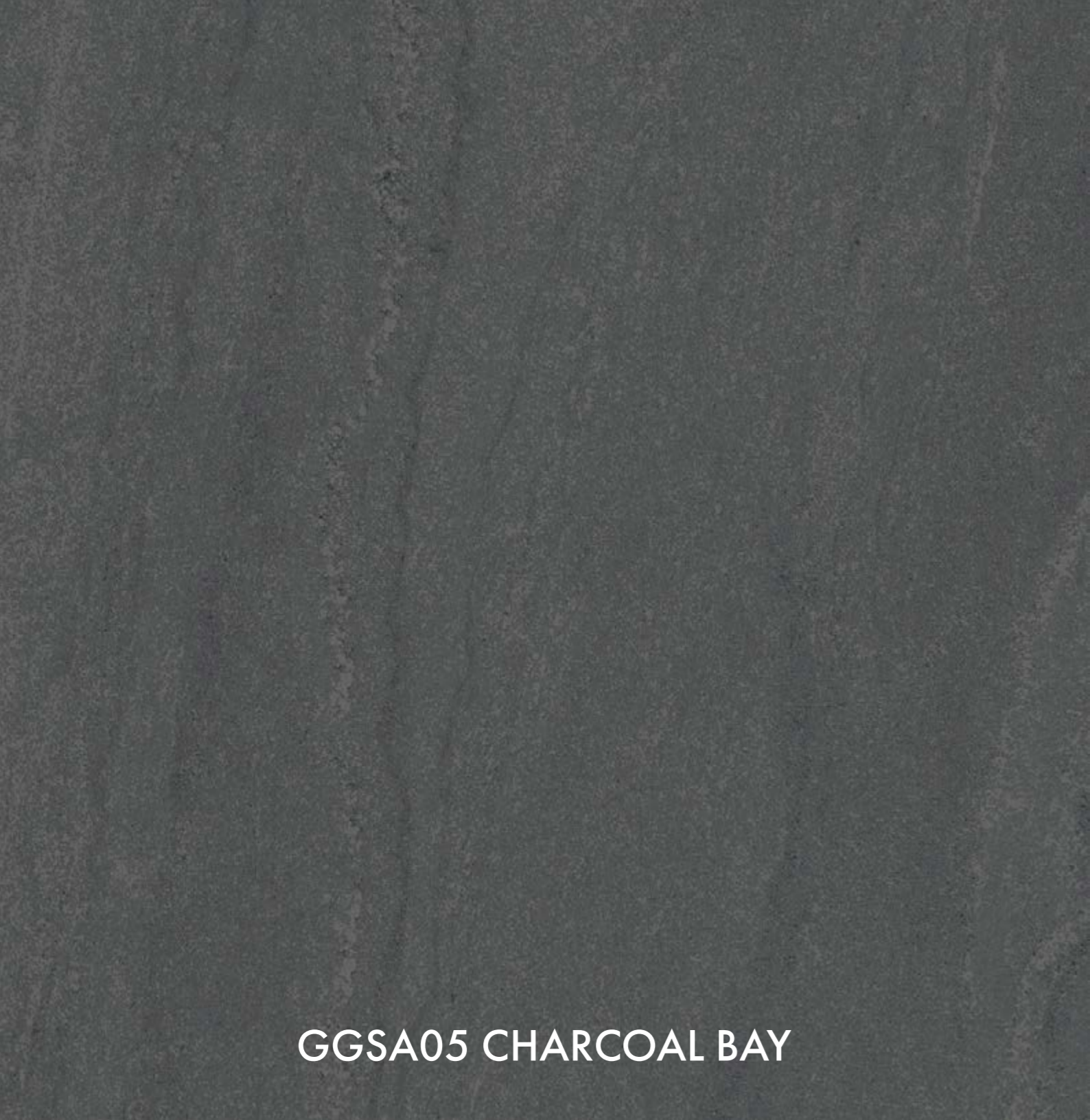




GGSA04 DEEP DUSK | 60x120cm matt + GSA01 SHELLY WHITE | 30x60cm matt



GGSA04 DEEP DUSK | 60x120cm structured + GSACA COMBO A 27.2x 29.4cm

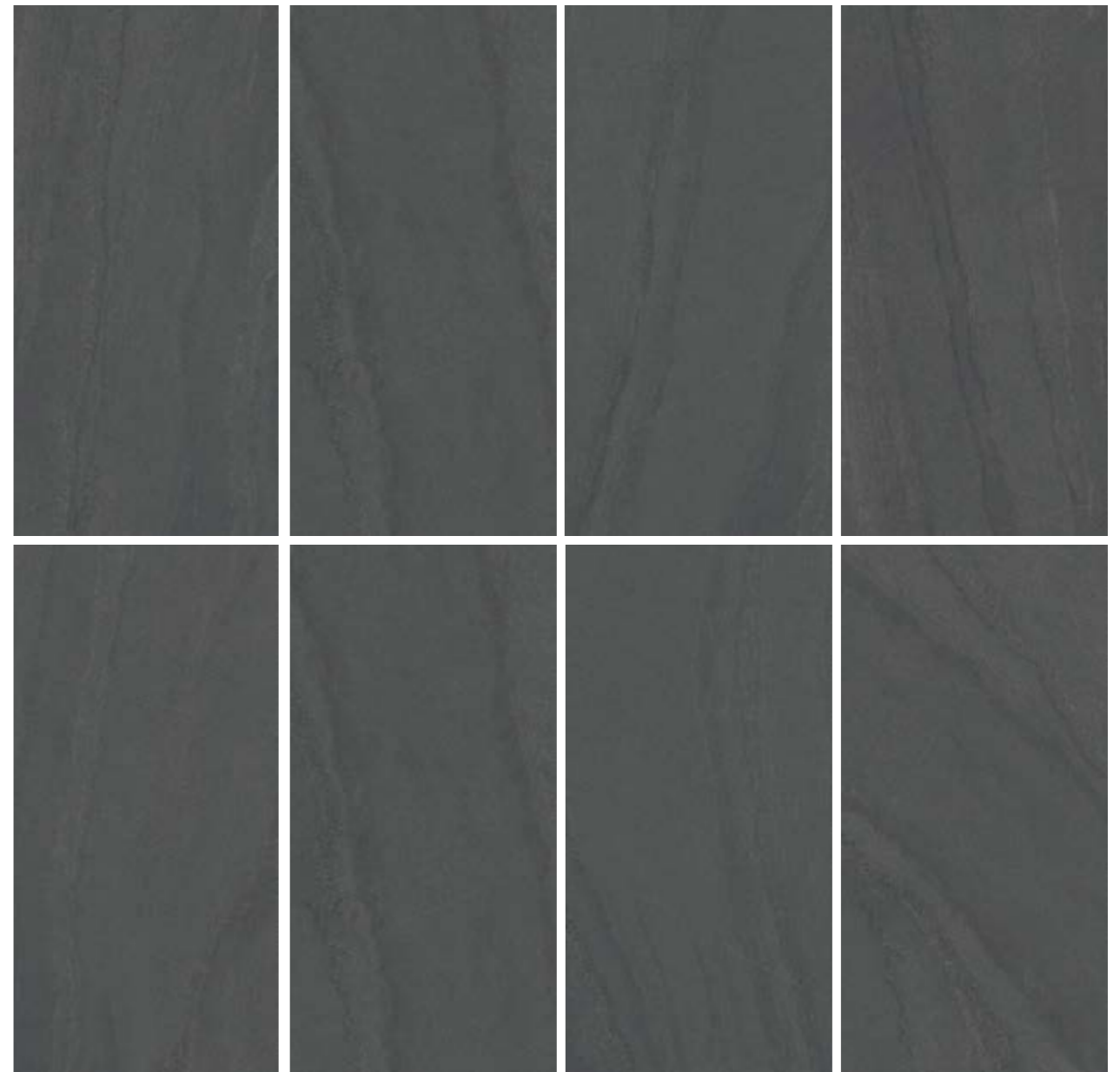


GGSA05 CHARCOAL BAY

As trends delve into the deeper end of the colour spectrum, Charcoal Bay is emerging as the new neutral. The dark hue sets a dramatic stage for sensuous lustre, ideal for homeowners seeking a more dynamic and moodier interior solution. Its profound visual presentation and soft emanations are even conducive to a rich, cosy environment.

CHARCOAL BAY

GGSA05 | 60x120cm . 60x60cm . 30x60cm
Matt . Structured . V2





GGSA05 CHARCOAL BAY | 60x120cm matt



GGSA05 CHARCOAL BAY | 60x60cm structured

TECHNICAL SPECIFICATIONS

10-03-2022

DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT (ISO 13006:2020)	NIRO GRANITE
Length & Width	ISO 10545 -2	mm	NR: ±0.6%, ±2.0mm R: ±0.3%, ±1.0mm	±0.30% / Max ± 1.0mm
Thickness	ISO 10545 -2	mm	±5.0%, Max ±0.5mm	±5.00% / Max ± 0.5mm
Sides Straightness	ISO 10545 -2	mm	NR: ±0.5%, ±1.5mm R: ±0.3 %, ±0.8mm	±0.25% / Max ± 0.6mm
Rectangularity	ISO 10545 -2	mm	NR: ±0.5%, ±2.0mm R: ±0.3 %, ±1.5mm	±0.25% / Max ± 1.0mm
Flatness a) Centre Curvature	ISO 10545 -2	mm	NR: ±0.5%, ±2.0mm R: ±0.4 %, ±1.8mm	±0.20% / Max ± 1.8mm (300x300 ±0.3%) ±0.20% / Max ± 1.8mm
b) Edge Curvature	ISO 10545 -2	mm	NR: ±0.5%, ±2.0mm R: ±0.4 %, ±1.8mm	±0.20% / Max ± 1.8mm (300x300 ±0.3%) ±0.20% / Max ± 1.8mm
c) Warpage	ISO 10545 -2	mm	NR: ±0.5%, ±2.0mm R: ±0.4 %, ±1.8mm	±0.20% / Max ± 1.8mm (300x300 ±0.3%) ±0.20% / Max ± 1.8mm
Surface Quality	ISO 10545 -2	One Major Area of Tiles	Min 95%	Comply
Water Absorption	ISO 10545 -3	Mass	Ev ≤ 0.5% Individual Max 0.6%	≤0.20%
Breaking Strength A) Thickness ≥ 7.5mm	ISO 10545 -4	N	Not less than 1300N	≥ 1300 N
B) Thickness < 7.5mm	ISO 10545 -4	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 ²	Min 35 N/mm ² Individual min 32 N/mm ²	≥ 35 N/mm ² Individual ≥ 32 N/mm ²
Abrasion Resistance a) Deep Abrasion for unglazed tiles	ISO 10545 -6	mm ³	Max 175 mm ³	≤ 160 mm ³
b) Surfaces Abrasion for glazed tiles	ISO 10545 -7	Visual Check	Report abrasion class and cycles passed	≥ PEI 3 (Dependent on product type)*
Crazing Test (glazed tiles)	ISO 10545 -11	Visual Check	Required	No Sign of Crazing
Chemical Resistance a) Low concentrations	ISO 10545 -13	Visual Check	Manuf. To State	Class A ≥ Class B (For Polished Tile)
b) Household chemicals and swimming pool salts	ISO 10545 -13	Visual Check	Minimum B	Class A ≥ Class B (For Polished Tile)
Stain Resistance a) For unglazed tiles	ISO 10545 -14	Visual Check	Test Method Available	> Class 3 (Dependent on product type)*
b) For glazed tiles	ISO 10545 -14	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	Wet Pendulum ≥ P2 (Dependent on product type)*

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

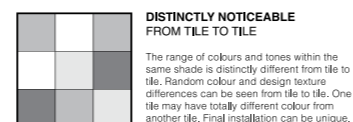
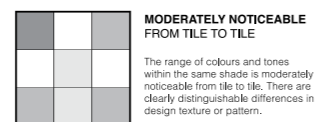
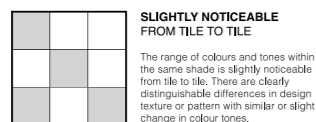
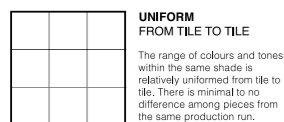
Each different tile series are produced to meet different performance requirements. For specific product technical performance, please request from Niro Granite sales team, their agent or distributor. The tile designs in each carton are random and may or may not be the same.

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




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