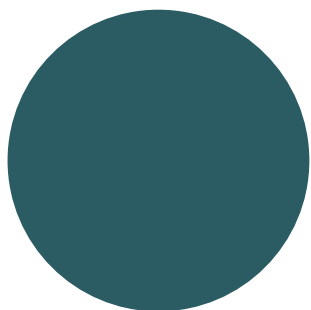
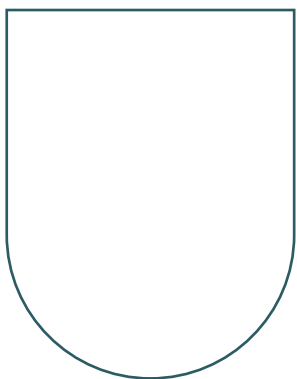
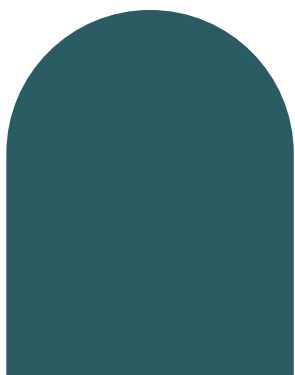
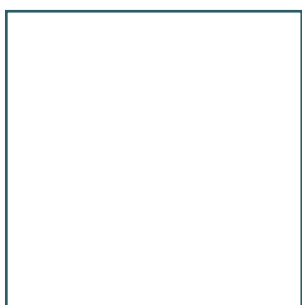
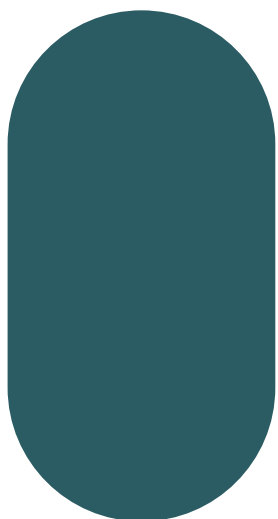
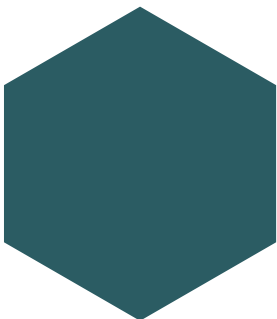
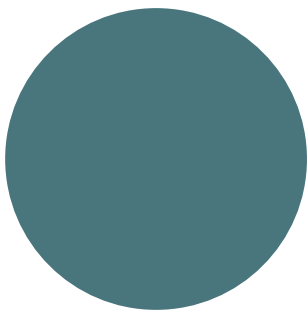
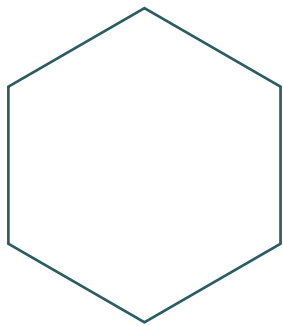


PORTINO COLLECTION

Portino is inspired by a fishing village called Portus Delphini (Port of Dolphin) or better known now as Portofino in Italy. The village is named after the dolphins that frolicked in the waters of the Tigullian Gulf. Today, the fishing village is famed for its scenic harbour, glittering blue-green waters and multicoloured pastel houses that line the seafront. It has a mix of charming yet modern architecture that leaves a sensual experience to its visitors.

Portino by Niro Ceramic Group was established in 2015 and offers tiles that are timeless in design – visually, it consists of natural colours in a variety of sizes, adopting inspiration from the natural environment around the fishing village. It is the perfect choice for anyone who wants to add creative and imaginative design elements to any space. The brand offers porcelain, ceramic floor and wall tiles for residential and commercial buildings.



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PRODUCT SYMBOLOGY DESCRIPTION:

APPLICATION:



FLOOR
TILES



WALL
TILES



RECTIFIED

SHADE VARIATION:



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





PORCELAIN TILE - COLLECTIONS

LE-PEDRA



PED01 SAND
60x60cm
matt
V3



PED01 SAND
30x60cm
matt . structured
V3



PED02 LIGHT
60x60cm
matt
V3



PED02 LIGHT
30x60cm
matt . structured
V3



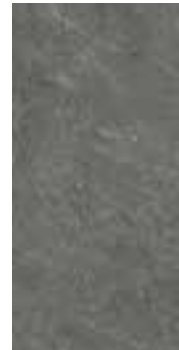
PED03 SMOKE
60x60cm
matt
V3



PED03 SMOKE
30x60cm
matt . structured
V3



PED04 DIM
60x60cm
matt
V3



PED04 DIM
30x60cm
matt . structured
V3





An organic urban statement
can be made with different
shades of grey.

WALL: LE-PEDRA **PED01 SAND** 30x60cm . MATT **FLOOR:** LE-PEDRA **PED04 DIM** 60x60cm MATT



▲ FLOOR & WALL: LE-PEDRA **PED02 LIGHT** 60x60cm MATT

▼ FLOOR: LE-PEDRA **PED03 SMOKE** 30x60cm STRUCTURED



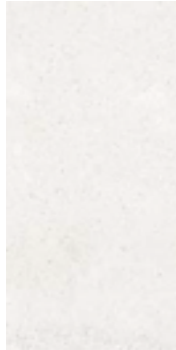
Carve out an outdoor
sanctuary of stone
to unwind and relax.

FLOOR: LE-PEDRA **PED04 DIM** 30x60cm STRUCTURED

PI8



PI801 WHITE
60x60cm
matt
V2



PI801 WHITE
30x60cm
matt
V2



PI802 BEIGE
60x60cm
matt
V2



PI802 BEIGE
30x60cm
matt
V2



PI803 GREY
60x60cm
matt
V2



PI803 GREY
30x60cm
matt
V2



PI804 GRAPHITE
60x60cm
matt
V2



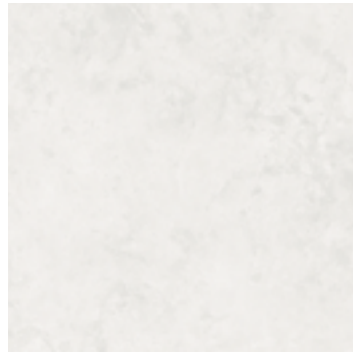
PI804 GRAPHITE
30x60cm
matt
V2



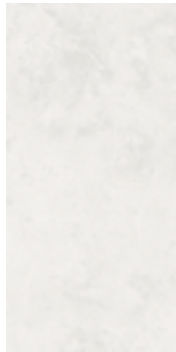
Going subtle on the textures
can be a great way to achieve
a minimalist look.

WALL: P18 **PI803 GREY** 30x60cm . MATT **FLOOR:** P18 **PI803 GREY** 60x60cm . MATT

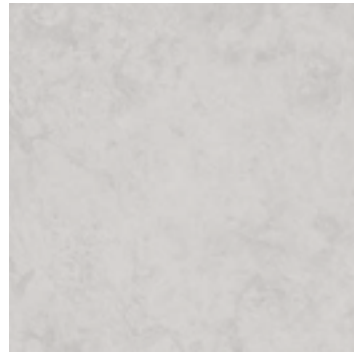
PH7



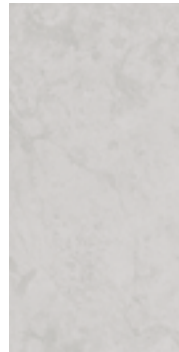
PH701 LIGNITE
60x60cm
matt
V2



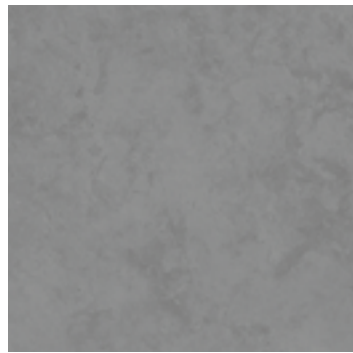
PH701 LIGNITE
30x60cm
matt
V2



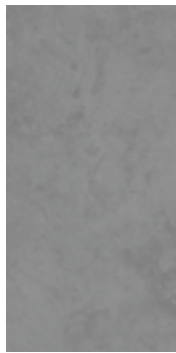
PH702 GREY
60x60cm
matt
V2



PH702 GREY
30x60cm
matt
V2



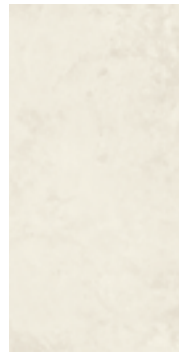
PH703 GRAPHITE
60x60cm
matt
V2



PH703 GRAPHITE
30x60cm
matt
V2



PH705 BEIGE
60x60cm
matt
V2



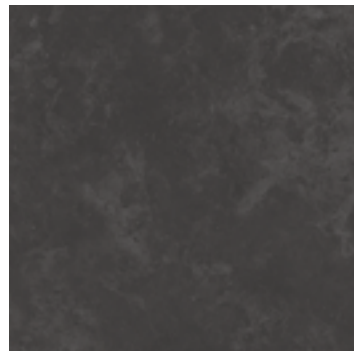
PH705 BEIGE
30x60cm
matt
V2



PH706 BROWN
60x60cm
matt
V2



PH706 BROWN
30x60cm
matt
V2



PH707 NOIR
60x60cm
matt
V2



PH707 NOIR
30x60cm
matt
V2





Structure and simplicity makes
for a calm and cosy living environment.

FLOOR: PH7 PH702 GREY 60x60cm MATT



▲ WALL: PH7 **PH701 LIGNITE** 30x60cm MATT

▼ WALL: PH7 **PH701 LIGNITE** 30x60cm MATT FLOOR: PH7 **PH707 NOIR** 60x60cm MATT



For clean and neat environments,
opt for simple textures and
minimal visual noise.

WALL: PH7 **PH702 GREY** 30x60cm MATT FLOOR: PH7 **PH702 GREY** 60x60cm MATT

PY7



PY701 LIGNITE
30x60cm
structured
V2



PY702 GREY
30x60cm
structured
V2



PY703 GRAPHITE
30x60cm
structured
V2



PY704 BEIGE
30x60cm
structured
V2





The timeless look of stone
instantly uplifts the look and
feel of a space.

WALL: PY7 PY701 LIGNITE + PY703 GRAPHITE 30x60cm . STRUCTURED

PI7



PI701 BEIGE
60x60cm
matt
V3



PI701 BEIGE
30x60cm
matt . structured
V3



PI702 BROWN
60x60cm
matt
V3



PI702 BROWN
30x60cm
matt . structured
V3



PI703 DARK BROWN
60x60cm
matt
V3



PI703 DARK BROWN
30x60cm
matt . structured
V3



PI704 GREY
60x60cm
matt
V3



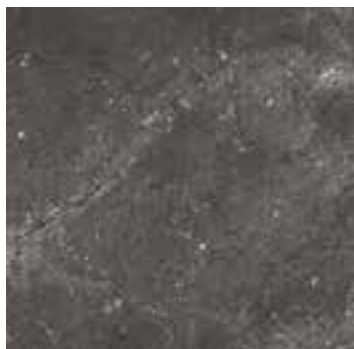
PI704 GREY
30x60cm
matt . structured
V3



PI705 GRAPHITE
60x60cm
matt
V3



PI705 GRAPHITE
30x60cm
matt . structured
V3



PI706 BLACK
60x60cm
matt
V3



PI706 BLACK
30x60cm
matt . structured
V3



The rugged texture of stone
is the perfect complement to
flowing water.

FLOOR: P17 P1706 BLACK 60x60cm MATT
WALL: P17 P1706 BLACK + P1704 GREY 30x60cm MATT





▲ FLOOR & WALL: P17 **PI701 BEIGE** 60x60cm MATT

▼ FLOOR: P17 **PI703 DARK BROWN** 60x60cm MATT



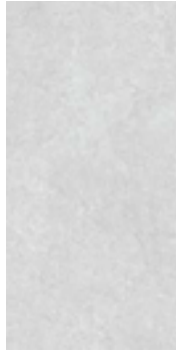
Natural grey hues help
other colours pop out
all the better.

FLOOR + WALL: P17 **PI705 GRAPHITE** 60x60CM + 30x60cm MATT

PB5



PB501 WHITE
60x60cm
matt
V2



PB501 WHITE
30x60cm
matt . structured
V2



PB502 BEIGE
60x60cm
matt
V2



PB502 BEIGE
30x60cm
matt . structured
V2



PB503 GREY
60x60cm
matt
V2



PB503 GREY
30x60cm
matt . structured
V2



PB504 GRAPHITE
60x60cm
matt
V2



PB504 GRAPHITE
30x60cm
matt . structured
V2



PB505 BROWN
60x60cm
matt
V2



PB505 BROWN
30x60cm
matt . structured
V2





A strong base serves to anchor
the overall aesthetics of a space,
allowing for lighter elements to
come through.

FLOOR: PB5 PB504 GRAPHITE 60x60cm MATT

NATURALZ



PNZ01 SILVER
60x60cm
matt
V3



PNZ01 SILVER
30x60cm
matt . structured
V3



PNZ02 ASH
60x60cm
matt
V3



PNZ02 ASH
30x60cm
matt . structured
V3



PNZ03 IRON
60x60cm
matt
V3



PNZ03 IRON
30x60cm
matt . structured
V3





The natural and raw look of concrete is the ideal accompaniment to natural shades and colours.

WALL: NATURALZ **PNZ01 SILVER** 60x60cm . MATT **FLOOR:** NATURALZ **PNZ03 IRON** 30x60cm STRUCTURED

Serene and peaceful interiors can be built with natural elements.

FLOOR: NATURALZ PNZ02 ASH 60x60cm MATT



Touches of nature can help elevate indoor spaces with a feel of the outdoors.

FLOOR: NATURALZ PNZ03 IRON 60x60cm MATT

COMO



PCMO1 CLARA
60x60cm
glazed polished
V2



PCMO1 CLARA
30x60cm
glazed polished
V2



PCMO2 CELIA
60x60cm
glazed polished
V2



PCMO2 CELIA
30x60cm
glazed polished
V2



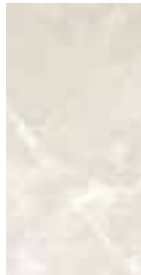
PCMO3 CRISTIN
60x60cm
glazed polished
V3



PCMO3 CRISTIN
30x60cm
glazed polished
V3



PCMO4 COLBIE
60x60cm
glazed polished
V3



PCMO4 COLBIE
30x60cm
glazed polished
V3



PCMO5 CASSIE
60x60cm
glazed polished
V2



PCMO5 CASSIE
30x60cm
glazed polished
V2



PCMO6 CAPRI
60x60cm
glazed polished
V3



PCMO7 CALISTA
60x60cm
glazed polished
V3



PCMO8 CLEO
60x60cm
glazed polished
V3



PCMO9 CAYLEE
60x60cm
glazed polished
V2

The refreshing beauty of
natural stone evokes a serene
and calm environment.

WALL: COMO **PCMO1 CLARA** 60x60cm GLAZED POLISHED





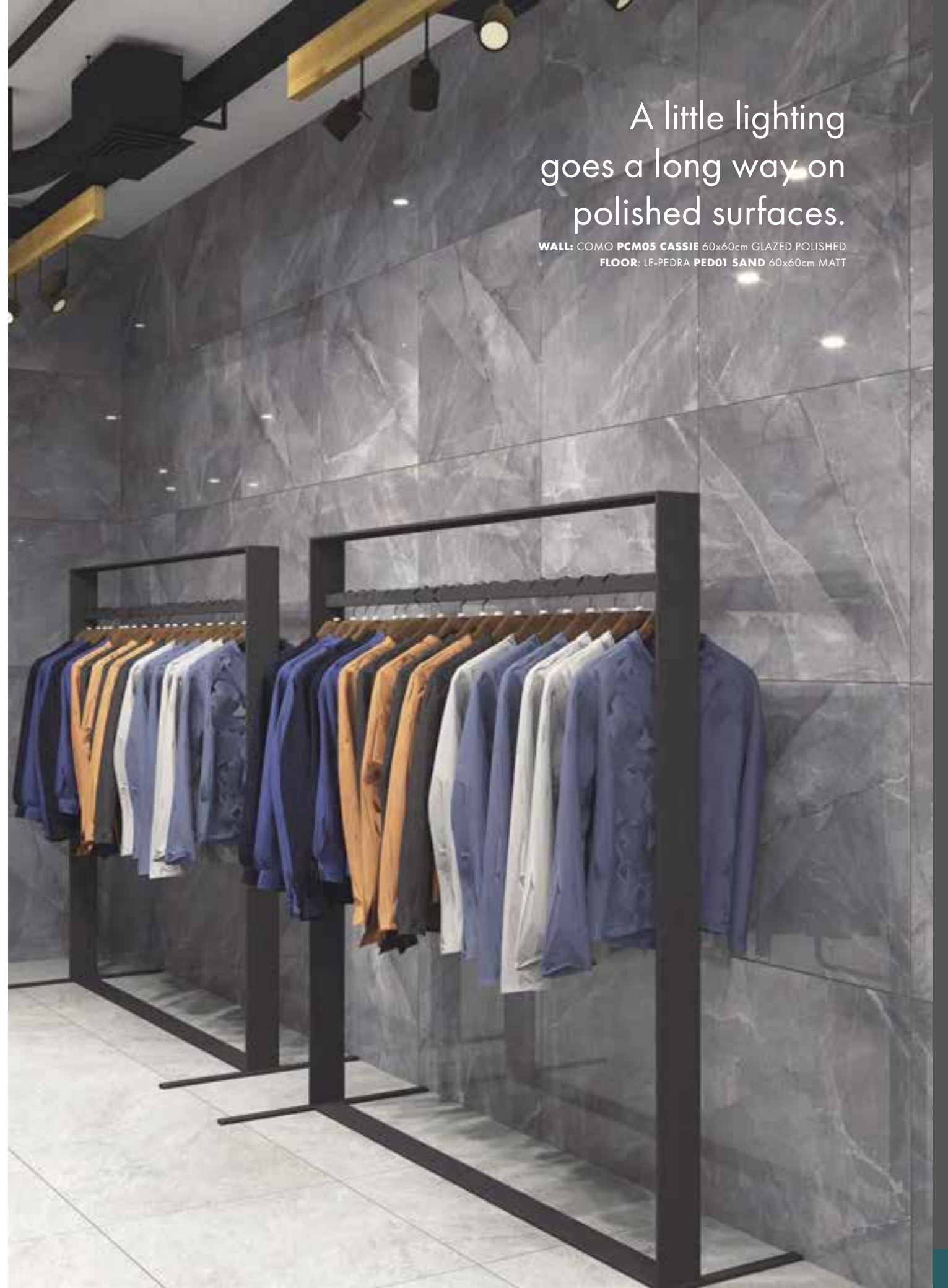
Elegance is easily achieved with different combinations of natural stone and a minimalist outlook.

WALL: COMO **PCM06 CAPRI** 60x60cm GLAZED POLISHED **FLOOR:** LE-PEDRA **PED03 SMOKE** 60x60cm MATT



▲ **FLOOR:** COMO **PCM03 CRISTIN** 60x60cm GLAZED POLISHED

▼ **TV FEATURE WALL:** COMO **PCM04 COLBIE** 60x60cm GLAZED POLISHED



A little lighting
goes a long way on
polished surfaces.

WALL: COMO **PCM05 CASSIE** 60x60cm GLAZED POLISHED
FLOOR: LE-PEDRA **PED01 SAND** 60x60cm MATT



FLOOR: COMO **PCM09 CAYLEE** 60x60cm GLAZED POLISHED



With the right size and scale, these pieces could be artistic statements onto themselves.

WALL: COMO **PCM07 CALISTA** 60x60cm GLAZED POLISHED FLOOR: LE-PEDRA **PED02 LIGHT** 60x60cm MATT

PR7



PR701 VANILLA
30x60cm
matt
V4



PR702 CINNAMON
30x60cm
matt
V4



PR703 ESPRESSO
30x60cm
matt
V4



Irregular geometric shapes such as these bring out the unique characteristics of a space.

FLOOR: PR7 PR703 ESPRESSO 30x60cm MATT



With the combination of different repeating shapes, even a simple space can be transformed to become visually striking.

FLOOR: PR7 PR701 VANILLA 30x60cm MATT



Bringing wooden elements outdoor creates a sense of cosiness that's like no other.

FLOOR: PR7 PR702 CINNAMON 30x60cm MATT

PY6



PY602 BEIGE
30x60cm
matt
V2



PY602 BEIGE
15x60cm
matt
V2



PY603 OAK
30x60cm
matt
V2



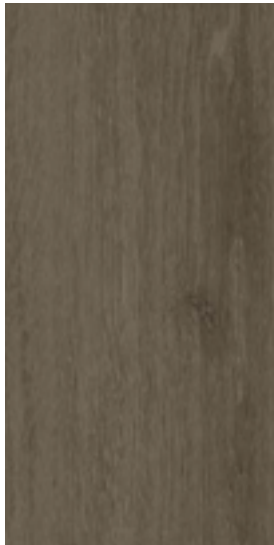
PY603 OAK
15x60cm
matt
V2



PY604 MARRONE
30x60cm
matt
V2



PY604 MARRONE
15x60cm
matt
V2



PY605 DARK OAK
30x60cm
matt
V2



PY605 DARK OAK
15x60cm
matt
V2



PY606 GREY
30x60cm
matt
V2



PY606 GREY
15x60cm
matt
V2



Wood grains paired with natural and warm lighting creates an indoor ambience that is unparalleled.

FLOOR: PY6 PY603 OAK 15x60cm MATT





▲ FLOOR: PY6 PY604 MARRONE 30x60cm MATT WALL: PY6 PY603 OAK 30x60cm MATT

▼ FLOOR: PY6 PY605 DARK OAK 30x60cm MATT



GOOD FOOD,
GOOD PEOPLE,
GOOD TIMES.

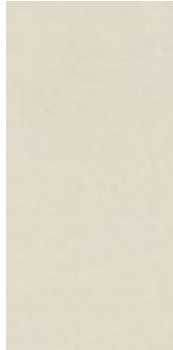
Nothing says casual and cosy
like a neutral beige-brown.

FLOOR: PY6 PY602 BEIGE 15x60cm MATT

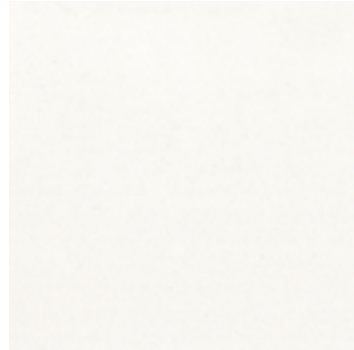
LA-BELLE



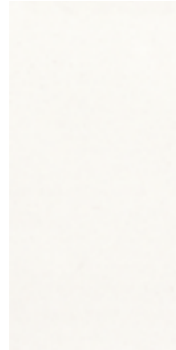
PLB00 ELDA
60x60cm
polished
V1



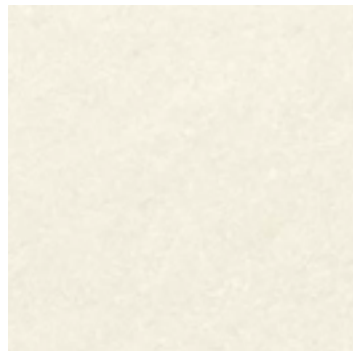
PLB00 ELDA
30x60cm
polished
V1



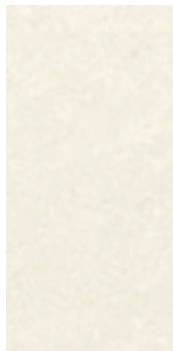
PLB10 INES
60x60cm
polished
V1



PLB10 INES
30x60cm
polished
V1



PLB01 CELIA
60x60cm
polished
V2



PLB01 CELIA
30x60cm
polished
V2



PLB03 AMBRA
60x60cm
polished
V2



PLB03 AMBRA
30x60cm
polished
V2



PLB05 CARLA
60x60cm
polished
V2



A light touch is often
preferred for get-togethers.

FLOOR: LA-BELLE **PLB05 CARLA** 60x60cm POLISHED



Pops of colour and natural light come together in a wonderful medley, accentuated by the soothing mellow base shades of white.

FLOOR: LA-BELLE PLB03 AMBRA 60x60cm POLISHED



▲ **FLOOR:** LA-BELLE **PLB10 INES** 60x60cm POLISHED

▼ **FLOOR + WALL:** LA-BELLE **PLB01 CELIA** 60x60cm + 30x60cm POLISHED



Available light is maximised through light coloured and polished surfaces.

FLOOR: LA-BELLE **PLB00 ELDA** 60x60cm POLISHED



CERAMIC TILE - COLLECTIONS

SUMMER



PSM01 BEIGE
30x30cm
matt
V2



PSM02 WARM GREY
30x30cm
matt
V2



PSM03 COOL GREY
30x30cm
matt
V2



PSM04 BROWN
30x30cm
matt
V2



PSM05 GRAPHITE
30x30cm
matt
V2



Warm tones can help accentuate feelings of comfort, particularly in private spaces.

FLOOR: SUMMER PSM05 GRAPHITE 30x30cm MATT WALL: SUMMER PSM02 WARM GREY 30x30cm MATT



SERENITY



PSR01 BEIGE
30x30cm
matt
V2



PSR02 GREY
30x30cm
matt
V2



PSR03 GRAPHITE
30x30cm
matt
V2



PSR04 BROWN
30x30cm
matt
V2



Achieve peace of mind with this unfussy and versatile range.

FLOOR: SERENITY PSR02 GREY 30x30cm MATT WALL: SERENITY PSR01 BEIGE+ PSR02 GREY 30x30cm MATT



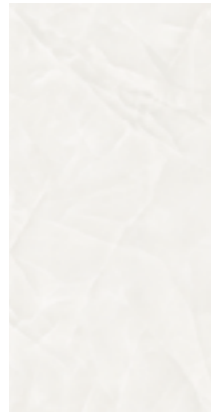
VINTAGE



PV082 DAFFODIL
30x60cm
glossy
V3



PV085 IRIS
30x60cm
glossy
V3



PV101 PEONY
30x60cm
glossy
V3



PV123 LILAC
30x60cm
glossy
V3



PV223 DANDELION
30x60cm
glossy
V3



PV407 TULIP
30x60cm
glossy
V3



PV411 CALLA LILY
30x60cm
glossy
V3



PV415 DAISY
30x60cm
glossy
V3



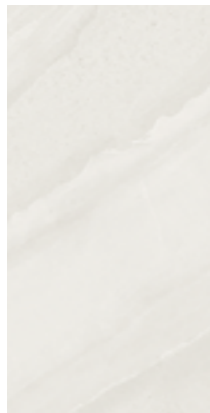
PV801 ASTER
30x60cm
glossy
V3



PV802 NERINE
30x60cm
glossy
V3



PV803 CLOVER
30x60cm
glossy
V3



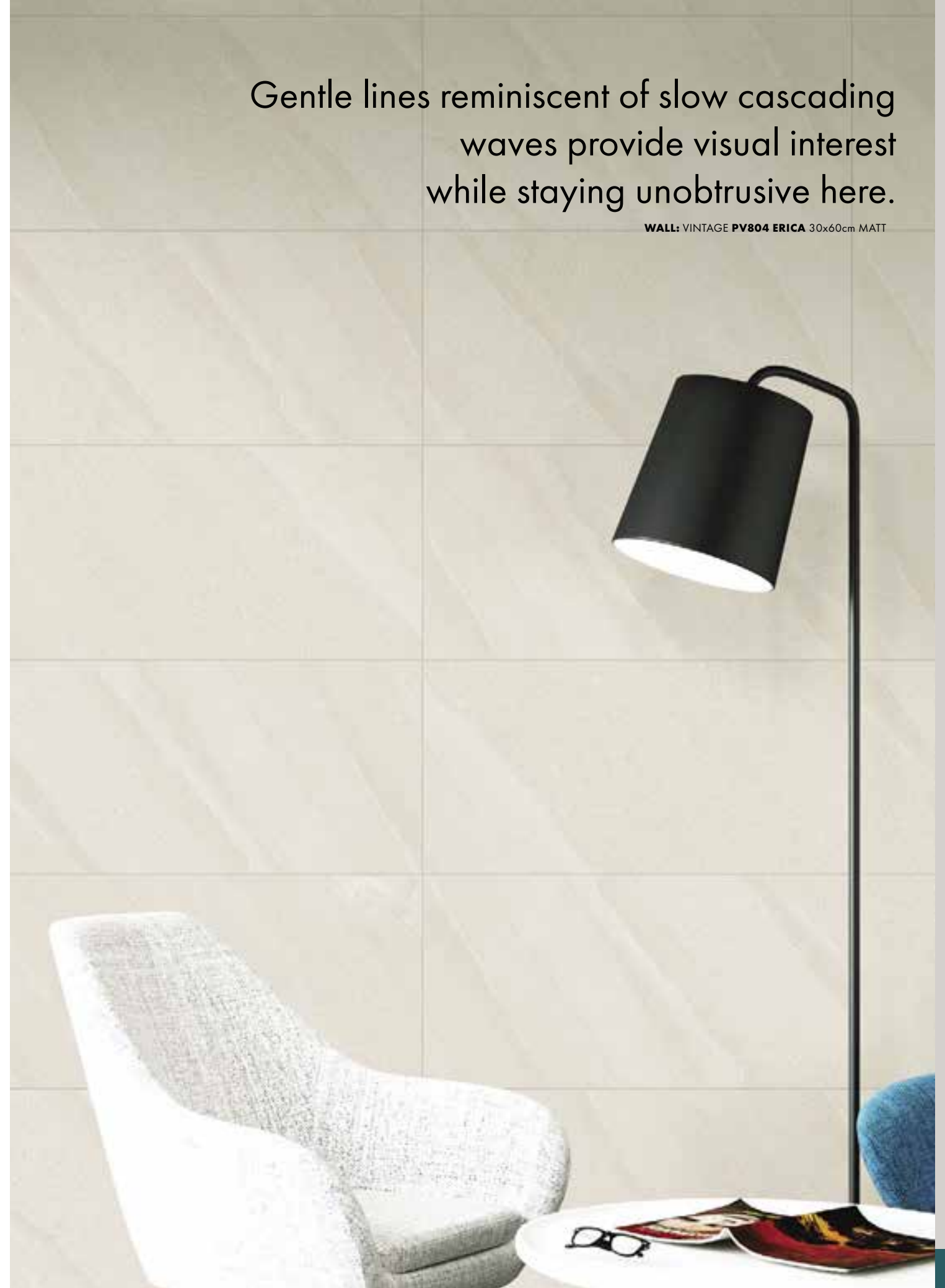
PV804 ERICA
30x60cm
matt
V3



PV805 VIOLA
30x60cm
glossy
V3

Gentle lines reminiscent of slow cascading waves provide visual interest while staying unobtrusive here.

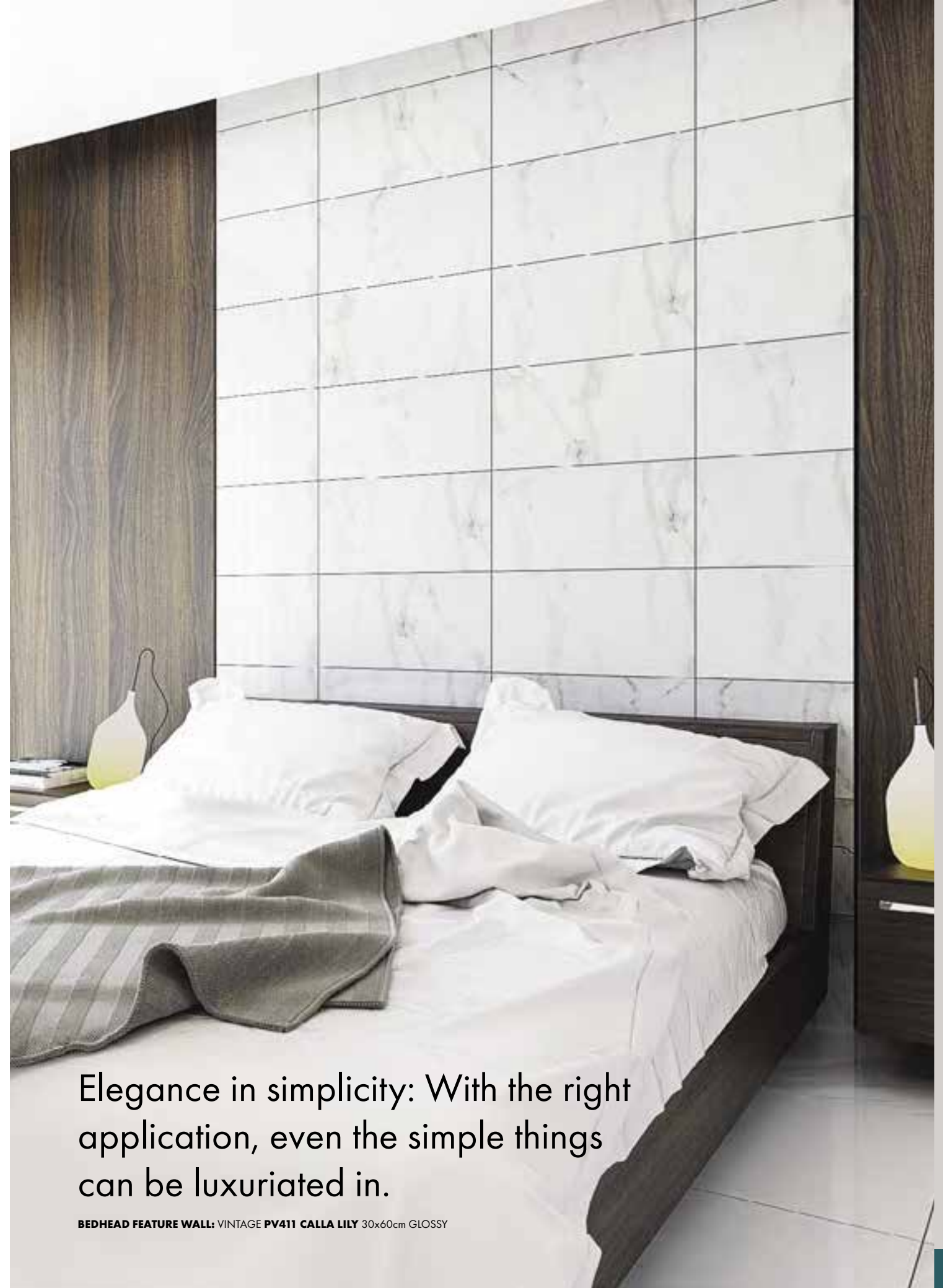
WALL: VINTAGE **PV804 ERICA** 30x60cm MATT





▲ WALL: VINTAGE **PV223 DANDELION** 30x60cm GLOSSY

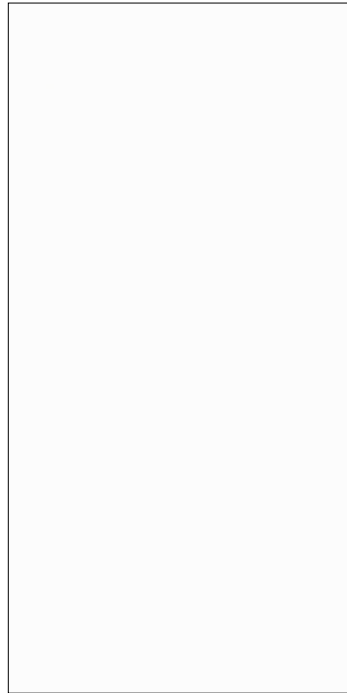
▼ WALL: VINTAGE **PV101 PEONY** 30x60cm GLOSSY



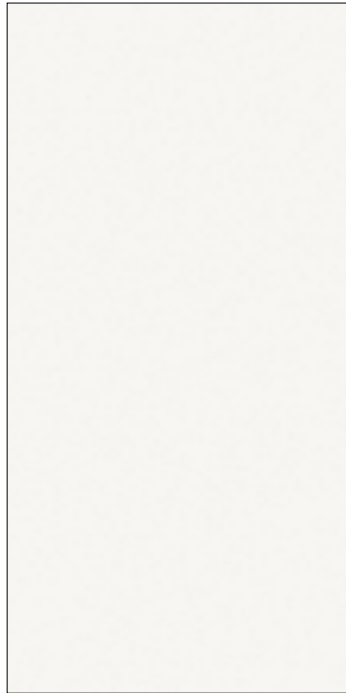
Elegance in simplicity: With the right application, even the simple things can be luxuriated in.

BEDHEAD FEATURE WALL: VINTAGE **PV411 CALLA LILY** 30x60cm GLOSSY

BASIC



PB400 WHITE
30x60cm
glossy . matt
V1



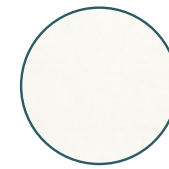
PB401 BLANCA
30x60cm
glossy
V1

A blank slate:
Perfect to begin and end with.

WALL: BASIC **PB400 WHITE** 30x60cm MATT



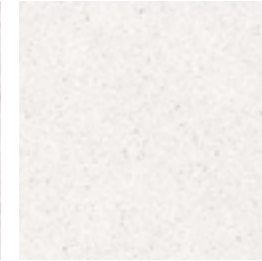
_COLOUR GROUPING



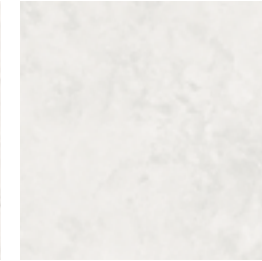
PORTINO
WHITE
COLOUR



LE-PEDRA
PED01 SAND
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PI8
PI801 WHITE
60x60cm . 30x60cm
matt
V2



PH7
PH701 LIGNITE
60x60cm . 30x60cm
matt
V2



PY7
PY701 LIGNITE
30x60cm
structured
V2



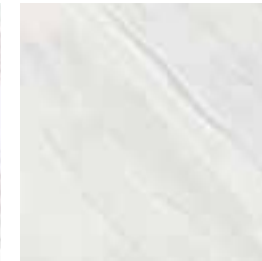
PB5
PB501 WHITE
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V2



NATURALZ
PNZ01 SILVER
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



COMO
PCM01 CLARA
60x60cm . 30x60cm
glazed polished
V2



COMO
PCM02 CELIA
60x60cm . 30x60cm
glazed polished
V2



COMO
PCM03 CRISTIN
60x60cm . 30x60cm
glazed polished
V3



COMO
PCM06 CAPRI
60x60cm
glazed polished
V3



LE-BELLA
PLB10 INES
60x60cm . 30x60cm
polished
V1



FLOOR: LA-BELLE **PLB10 INES** 60x60cm POLISHED



PORTINO
WHITE
COLOUR



VINTAGE
PV101 PEONY
30x60cm
glossy
V3



VINTAGE
PV123 LILAC
30x60cm
glossy
V3



VINTAGE
PV407 TULIP
30x60cm
glossy
V3



VINTAGE
PV411 CALLA LILY
30x60cm
glossy
V3



VINTAGE
PV415 DAISY
30x60cm
glossy
V3



VINTAGE
PV801 ASTER
30x60cm
glossy
V3



VINTAGE
PV802 NERINE
30x60cm
glossy
V3



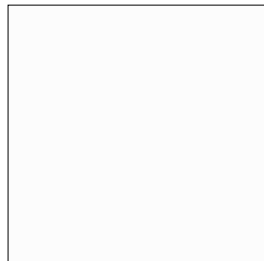
VINTAGE
PV803 CLOVER
30x60cm
glossy
V3



VINTAGE
PV804 ERICA
30x60cm
matt
V3



VINTAGE
PV805 VIOLA
30x60cm
glossy
V3



BASIC
PB400 WHITE
30x60cm
glossy . matt
V1



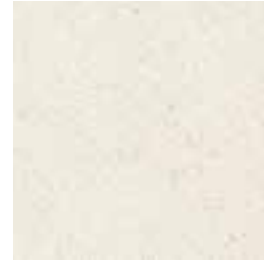
BASIC
PB401 BLANCA
30x60cm
glossy
V1



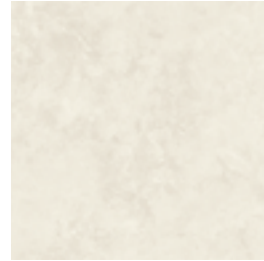
FLOOR: P18 **P1802 BEIGE** 60x60cm MATT



PORTINO
BEIGE
COLOUR



P18
P1802 BEIGE
60x60cm . 30x60cm
matt
V2



PH7
PH705 BEIGE
60x60cm . 30x60cm
matt
V2



PY7
PY704 BEIGE
30x60cm
structured
V2



PI7
PI701 BEIGE
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PB5
PB502 BEIGE
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V2



COMO
PCM04 COLBIE
60x60cm . 30x60cm
glazed polished
V3



PR7
PR701 VANILLA
30x60cm
matt
V4



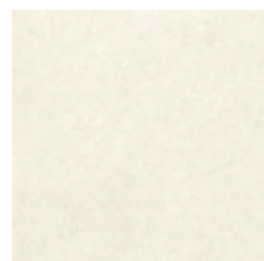
PY6
PY602 BEIGE
30x60cm . 15x60cm
matt
V2



PY6
PY603 OAK
30x60cm . 15x60cm
matt
V2



LA-BELLE
PLB00 ELDA
60x60cm . 30x60cm
polished
V1



LA-BELLE
PLB01 CELIA
60x60cm . 30x60cm
polished
V2



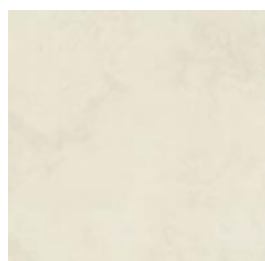
LA-BELLE
PLB03 AMBRA
60x60cm . 30x60cm
polished
V2



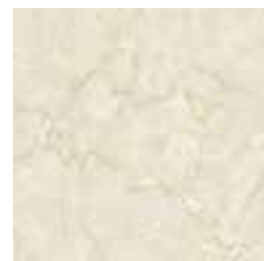
LA-BELLE
PLB05 CARLA
60x60cm
polished
V2



SUMMER
PSM01 BEIGE
30x30cm
matt
V2



SERENITY
PSR01 BEIGE
30x30cm
matt
V2



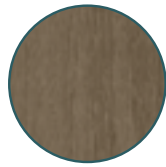
VINTAGE
PV082 DAFFODIL
30x60cm
glossy
V3



VINTAGE
PV085 IRIS
30x60cm
glossy
V3



VINTAGE
PV223 DANDELION
30x60cm
glossy
V3



PORTINO
BROWN
COLOUR



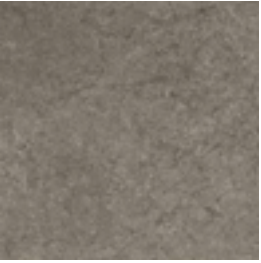
PH7
PH706 BROWN
60x60cm . 30x60cm
matt
V2



PI7
PI702 BROWN
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PI7
PI703 DARK BROWN
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PB5
PB505 BROWN
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V2



PR7
PR702 CINNAMON
30x60cm
matt
V4



PR7
PR703 ESPRESSO
30x60cm
matt
V4



PY6
PY604 MARRONE
30x60cm . 15x60cm
matt
V2



PY6
PY605 DARK OAK
30x60cm . 15x60cm
matt
V2



SUMMER
PSM04 BROWN
30x30cm
matt
V2



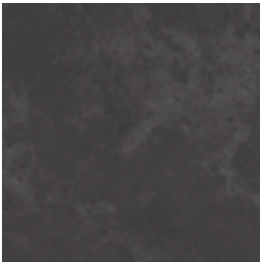
SERENITY
PSR04 BROWN
30x30cm
matt
V2



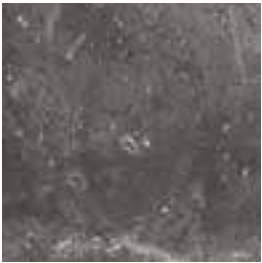
PORTINO
BLACK
COLOUR



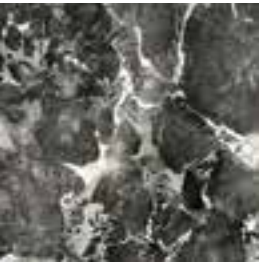
LE-PEDRA
PED04 DIM
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PH7
PH707 NOIR
60x60cm . 30x60cm
matt
V2



PI7
PI706 BLACK
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



COMO
PCM07 CALISTA
60x60cm
glazed polished
V3



▲ FLOOR: PI7 **PI702 BROWN** 60x60cm MATT

▼ WALL: PR7 **PR702 CINNAMON** 30x60cm MATT





PORTINO
GREY
COLOUR



LE-PEDRA
PED02 LIGHT
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



LE-PEDRA
PED03 SMOKE
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PI8
PI803 GREY
60x60cm . 30x60cm
matt
V2



PI8
PI804 GRAPHITE
60x60cm . 30x60cm
matt
V2



PH7
PH702 GREY
60x60cm . 30x60cm
matt
V2



SUMMER
PSM02 WARM GREY
30x30cm
matt
V2



SUMMER
PSM03 COOL GREY
30x30cm
matt
V2



SUMMER
PSM05 GRAPHITE
30x30cm
matt
V2



SERENITY
PSR02 GREY
30x30cm
matt
V2



SERENITY
PSR03 GRAPHITE
30x30cm
matt
V2



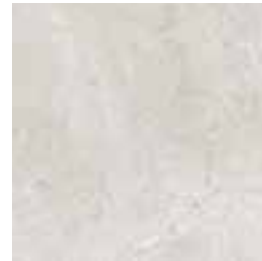
PH7
PH703 GRAPHITE
60x60cm . 30x60cm
matt
V2



PY7
PY702 GREY
30x60cm
structured
V2



PY7
PY703 GRAPHITE
30x60cm
structured
V2



PI7
PI704 GREY
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PI7
PI705 GRAPHITE
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



PB5
PB503 GREY
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V2



PB5
PB504 GRAPHITE
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V2



NATURALZ
PNZ02 ASH
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



NATURALZ
PNZ03 IRON
60x60cm . 30x60cm
matt . structured*
(*only for 30x60cm)
V3



COMO
PCM05 CASSIE
60x60cm . 30x60cm
glazed polished
V2



COMO
PCM08 CLEO
60x60cm
glazed polished
V3



COMO
PCM09 CAYLEE
60x60cm
glazed polished
V2



PY6
PY606 GREY
30x60cm . 15x60cm
matt
V2



FLOOR: NATURALZ **PNZ02 ASH** 60x60cm MATT



TECHNICAL
SPECIFICATION

PORTINO TECHNICAL SPECIFICATION - PORCELAIN TILE -						
DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	PORCELAIN (Group Bla)			
			mm	Rectified	mm	Non Rectified
Length & Width	MS ISO 10545-2	mm	±1.0	±0.30%	±2.0	±0.60%
Thickness	MS ISO 10545-2	mm	±0.5	±5.00%	±0.5	±5.00%
Sides Straightness	MS ISO 10545-2	mm	±0.8	±0.30%	±1.5	±0.50%
Rectangularity	MS ISO 10545-2	mm	±1.5	±0.30%	±2.0	±0.50%
Flatness : a) Centre curvature b) Edge curvature c) Warpage	MS ISO 10545-2	mm	±1.8	±0.40%	±2.0	±0.50%
	MS ISO 10545-2	mm	±1.8	±0.40%	±2.0	±0.50%
	MS ISO 10545-2	mm	±1.8	±0.40%	±2.0	±0.50%
Surface Quality	MS ISO 10545-2	One Major Area of Tiles	Min. 95% free from defects			
Water Absorption	MS ISO 10545-3	Mass	Ev ≤ 0.5%			
Breaking Strength : a) Thickness ≥ 7.5mm b) Thickness < 7.5mm	MS ISO 10545-4	N	Not less than 1300N			
	MS ISO 10545-4	N	Not less than 700N			
Modulus of Rupture : a) Thickness ≥ 7.5mm b) Thickness < 7.5mm	MS ISO 10545-4	N/mm2	Minimum 35			
	MS ISO 10545-4	N/mm2	Individual Minimum 32			
Abrasion Resistance Surfaces Abrasion for glazed tiles	MS ISO 10545-7	Visual Check	≥ PEI 3 (Dependent on product type)*			
Crazing Test (glazed tiles)'	MS ISO 10545-11	Visual Check	Required			
Frost Resistance	MS ISO 10545-12	Visual Check	Required			
Chemical Resistance a) Low concentrations b) Household chemicals and swimming pool salts	MS ISO 10545-13	Visual Check	Manuf. To State			
	MS ISO 10545-13	Visual Check	Minimum B			
Stain Resistance For glazed tiles	MS ISO 10545-14	Visual Check	Minimum class 3			
Slip Resistance (Excluding Polished, Lappato and Matt Satin finishing)	AS/NZS 4586 App.A	Visual Check	Wet Pendulum ≤ P2 (Dependent on product type)*			

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

* Refer to test report for specific test result.

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.

PORTINO TECHNICAL SPECIFICATION - CERAMIC TILE -								
DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	CERAMIC (Group BIIa)				CERAMIC (Group BIII)	
			mm	Rectified	mm	Non Rectified	mm	Non Rectified
Length & Width	MS ISO 10545-2	mm	±1.0	±0.30%	±2.0	±0.60%	±2.0	±0.60%
Thickness	MS ISO 10545-2	mm	±0.5	±5.00%	±0.5	±5.00%	±0.5	±10.00%
Sides Straightness	MS ISO 10545-2	mm	±0.8	±0.30%	±1.5	±0.50%	±1.5	±0.30%
Rectangularity	MS ISO 10545-2	mm	±1.5	±0.30%	±2.0	±0.60%	±2.0	±0.30%
Flatness : a) Centre curvature	MS ISO 10545-2	mm	±1.8	±0.40%	±2.0	±0.50%	±2.0	±0.80%
b) Edge curvature	MS ISO 10545-2	mm	±1.8	±0.40%	±2.0	±0.50%	±2.0	±0.80%
c) Warpage	MS ISO 10545-2	mm	±1.8	±0.40%	±2.0	±0.50%	±2.0	±0.50%
Surface Quality	MS ISO 10545-2	One Major Area of Tiles	Min. 95% free from defects				Min. 95% free from defects	
Water Absorption	MS ISO 10545-3	Mass	≤ 3% < Eb ≤ 6%				Eb > 10%	
Breaking Strength : a) Thickness ≥ 7.5mm	MS ISO 10545-4	N	Not less than 1000N				Not less than 600N	
b) Thickness < 7.5mm	MS ISO 10545-4	N	Not less than 600N				Not less than 200N	
Modulus of Rupture : a) Thickness ≥ 7.5mm	MS ISO 10545-4	N/mm2	Minimum 22				≥ 12N/mm2	
b) Thickness < 7.5mm	MS ISO 10545-4	N/mm2	Individual Minimum 20				≥ 15N/mm2	
Abrasion Resistance Surfaces Abrasion for glazed tiles	MS ISO 10545-7	Visual Check	Abrasion class and Cycle Passed				Abrasion class and Cycle Passed	
Crazing Test (glazed tiles)*	MS ISO 10545-11	Visual Check	No sign of Crazing				No sign of Crazing	
Frost Resistance	MS ISO 10545-12	Visual Check	Test method available				Test method available	
Chemical Resistance a) Low concentrations	MS ISO 10545-13	Visual Check	Manuf. To State				Manuf. To State	
b) Household chemicals and swimming pool salts	MS ISO 10545-13	Visual Check	Minimum B				Minimum B	
Stain Resistance For glazed tiles	MS ISO 10545-14	Visual Check	Minimum class 3				Minimum class 3	
Slip Resistance (Excluding Polished, Lappato and Matt Satin finishing)	AS/NZS 4586 App.A	Visual Check	Manuf. To State				Manuf. To State	

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* Refer to test report for specific test result.

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