



COLLECTION 2024 —
artella
INNOVATION | ELEGANCE | CRAFTSMANSHIP



GLAZED PORCELAIN & CERAMIC TILES

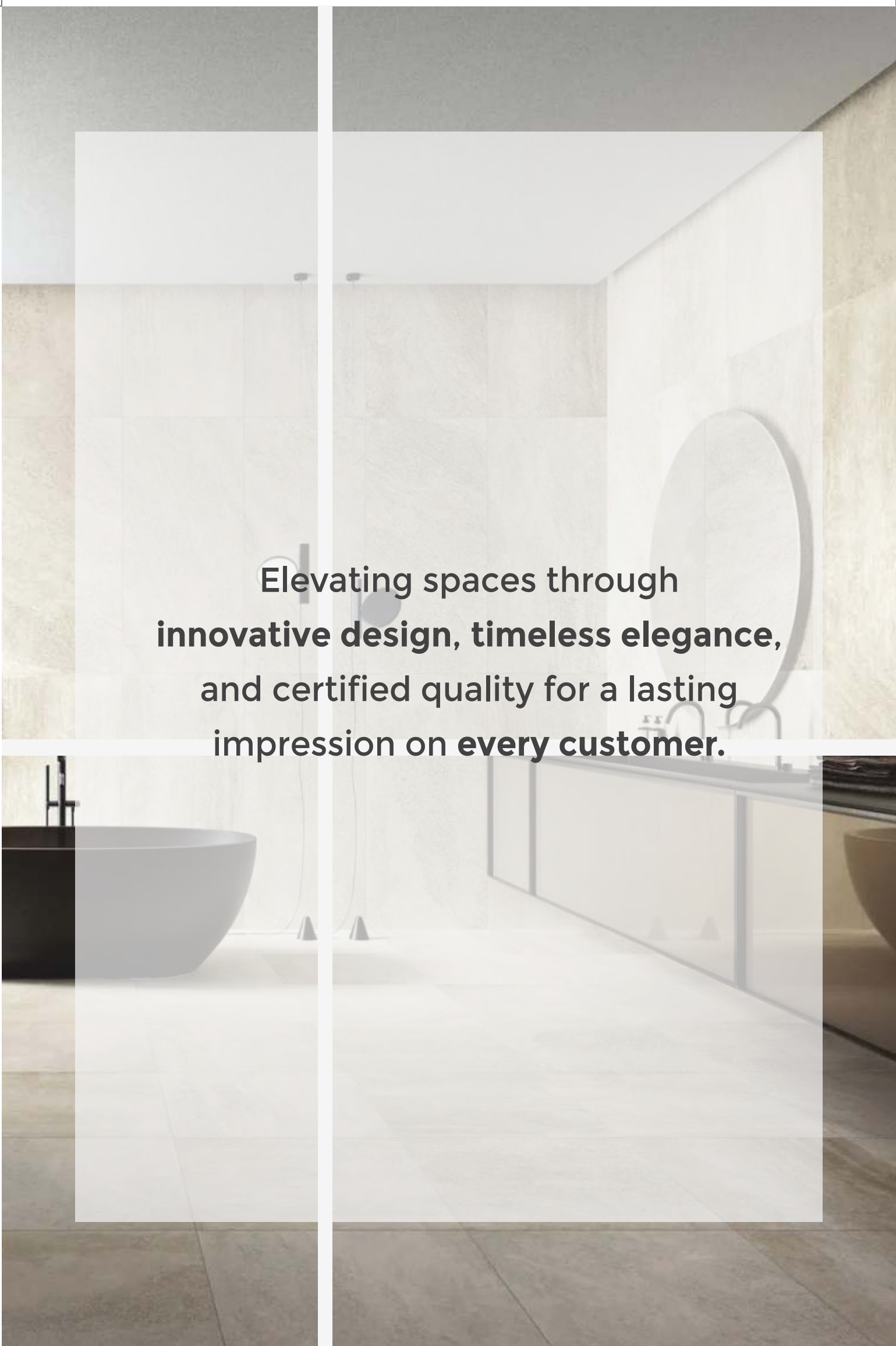
CATALOGUE FOR 2024_ VAMIL



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- info@rrpil.com
- www.rrpil.com



Elevating spaces through
innovative design, timeless elegance,
and certified quality for a lasting
impression on **every customer.**



***Certified Elegance
&
Time-Tested Quality***

OUR CERTIFICATIONS



ISO 14001:2015



ISO 9001:2015



ABOUT

RMC Readymix Porselano India Ltd. (RRPIL) is a rapidly growing supplier of building materials that is headquartered in India. We are a part of a leading integrated building material conglomerate that has been present for over six decades.

Our global brand VAMIL, offers a wide range of tiles, bathware and fittings. Our vision is to transform spaces by infusing innovation and timeless elegance into every tile. We are committed to creating lasting impressions with certified quality, and we aim to be a trusted source for crafting spaces that inspire beauty, individuality, and a sense of artful sophistication.

artella

INNOVATION | ELEGANCE | CRAFTSMANSHIP

LEGEND


TPOLOGY

C/P GLAZED PORCELAIN TILES B1a
U/P UNGLAZED PORCELAIN TILES B1a
Gr/P GPES PORCELAIN TILES B1b
C CERAMIC BIII

SLIP COEFFICIENCY

R10 R11 R12

SURFACE LOOK

C CARVING R RUSTIC M MATT  STRUCTURED PUNCH
P POLISHED HG HIGH GLOSSY S SATIN

INDICATIONS FOR USE

 WALL TILES  FLOOR TILES

COLOUR VARIATION

V1-EVEN V2-EVEN V3-MEDIUM V4-STRONG

EDGE

 RECTIFIED  NON RECTIFIED

BODY & THICKNESS

 COLORED BODY 5mm 15mm

SUGGESTED APPLICATIONS

 DOMESTIC PURPOSE  LIGHT COMMERCIAL TRAFFIC AREA  HEAVY COMMERCIAL TRAFFIC AREA  OUTDOOR





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PALETTE OF
artella

WHERE INNOVATION
MEETS ELEGANCE

S H A D E S

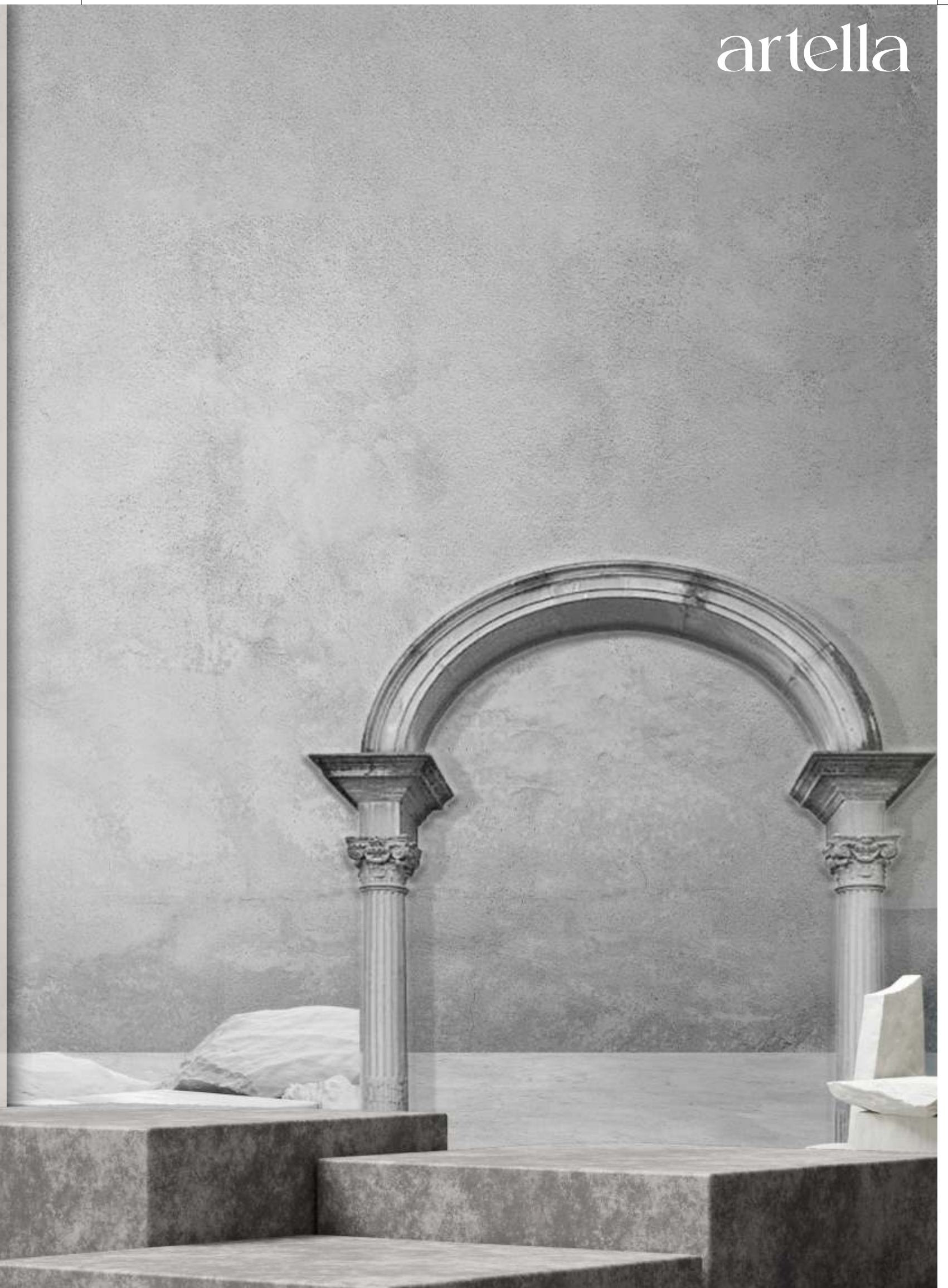


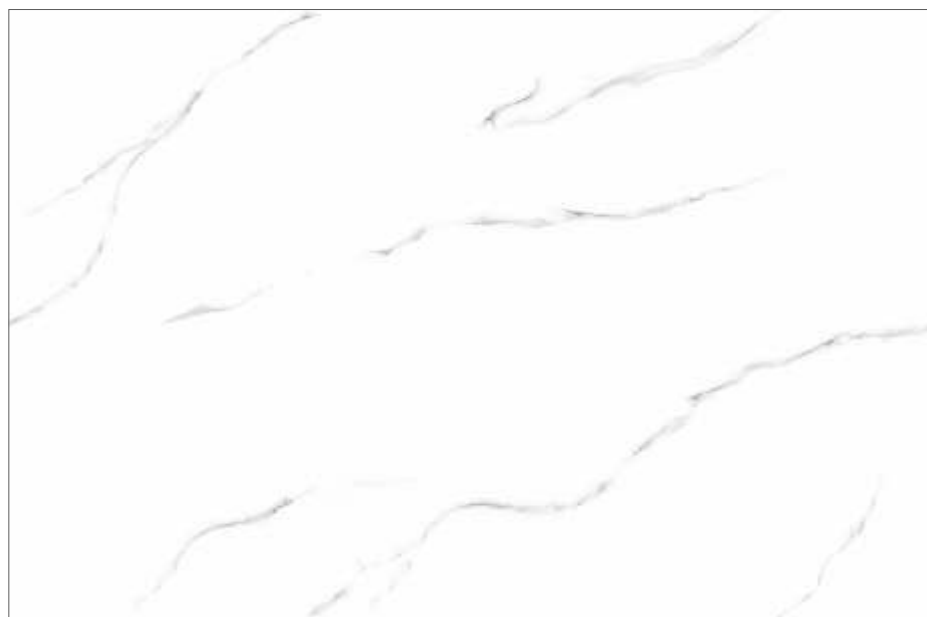
artella

MARBLE SELECTION

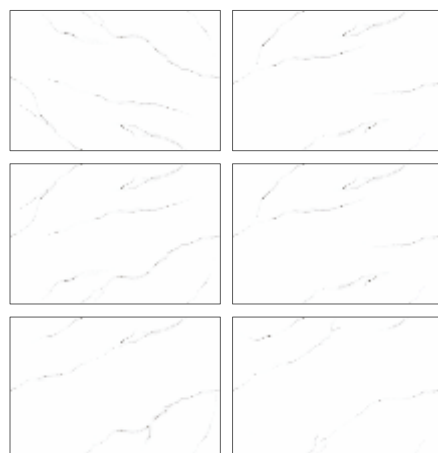
GLAZED PORCELAIN | CERAMIC

Discover the pinnacle of innovation and craftsmanship in our glazed porcelain & ceramic tiles. Unveiling the beauty of natural marble with meticulous artistry. Immerse your space in the timeless allure of marble, elevated by modern technology and unparalleled taste.





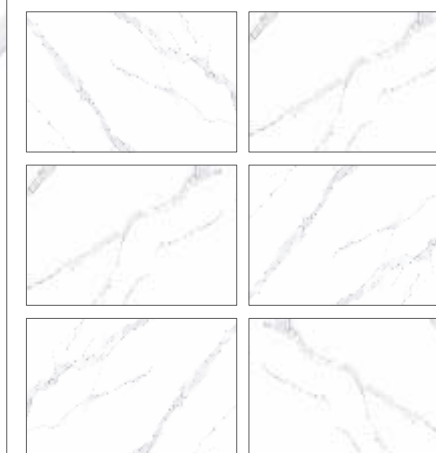
RANDOM 6



VA WISP STATURIO



RANDOM 6



VA OMNI STATURIO



RANDOM 6



VA ROMBUS BIANCO



RANDOM 6



VA ROMBUS BIANCO

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

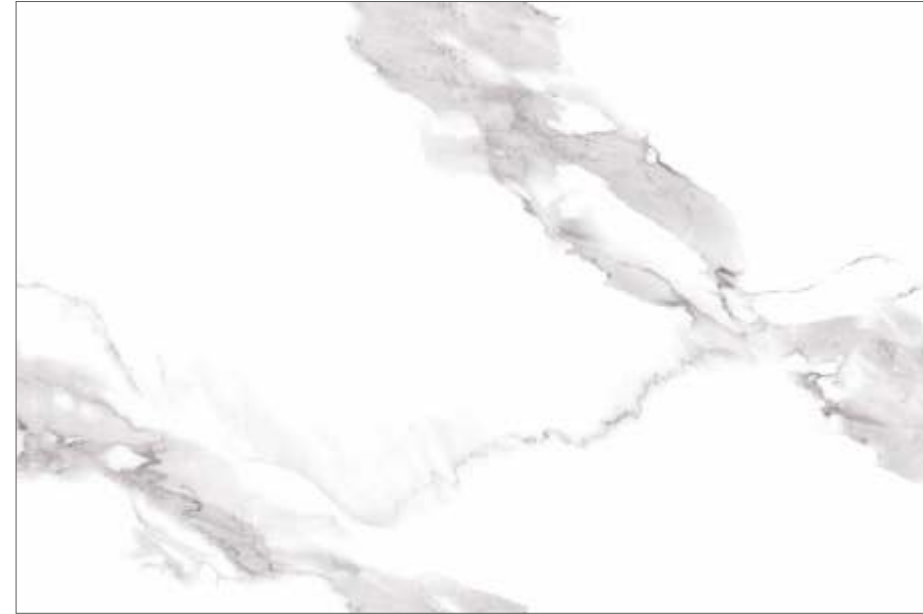




RANDOM 6



VA BRONZE STATURIO



RANDOM 6



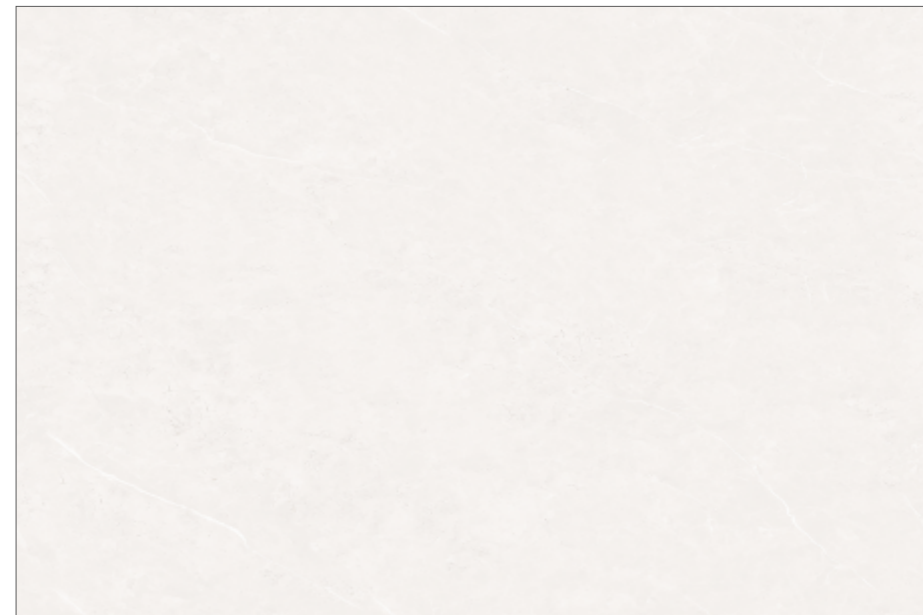
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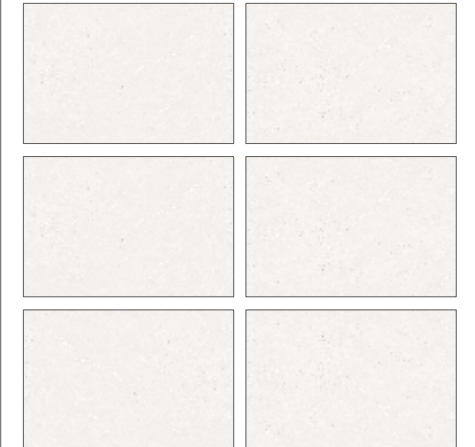
RANDOM 6



VA ALPA STATURIO



RANDOM 6



VA CANTOS WHITE

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

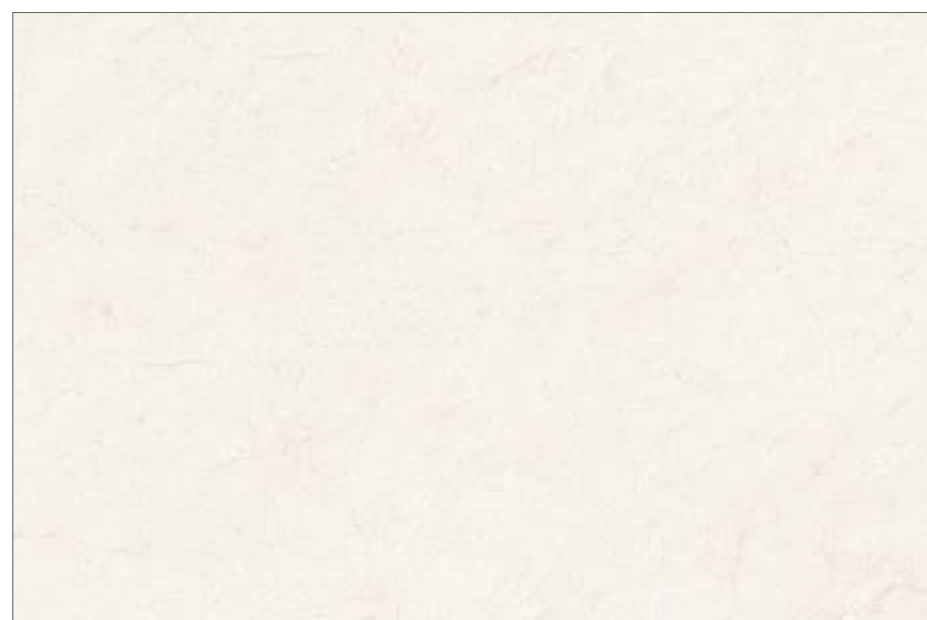
Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished





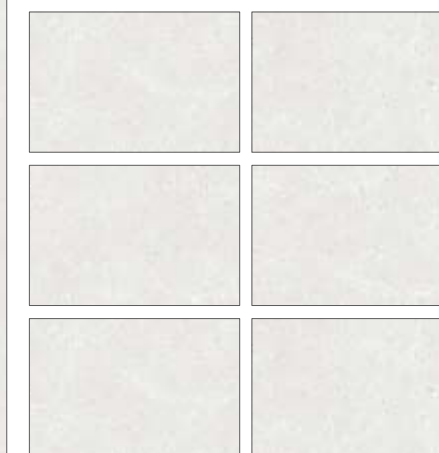
RANDOM 6



VA NYASA CREMA



RANDOM 6



VA BEACON GRIS



RANDOM 6



VA AMBROSIA BIANCO



RANDOM 6



VA BEACON BEIGE

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

R10





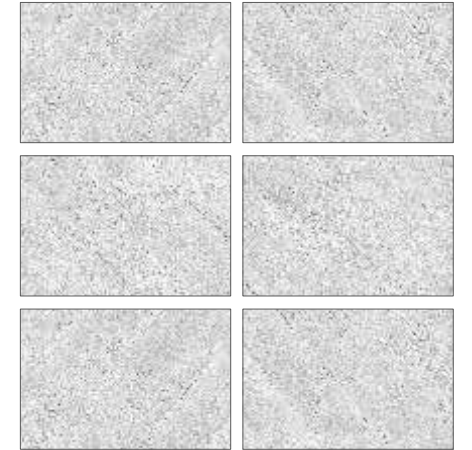
RANDOM 6



VA AMBROSIA BEIGE



RANDOM 6



VA BULGARIA GREY



RANDOM 6



VA BULGARIA BEIGE



RANDOM 6



VA BULGARIA BROWN

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished





VA MERIDON SNOW

RANDOM 6



VA SWISS STATURIO

RANDOM 6



MERIDON SNOW

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
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120x180	60x120		
120x120	60x60		
100x100	30x60		

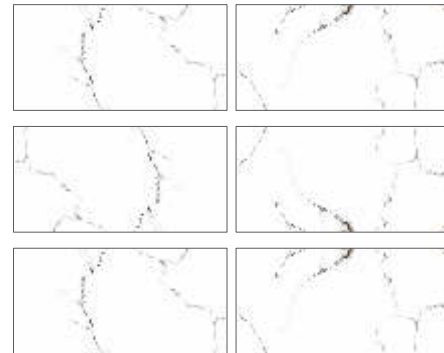
Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

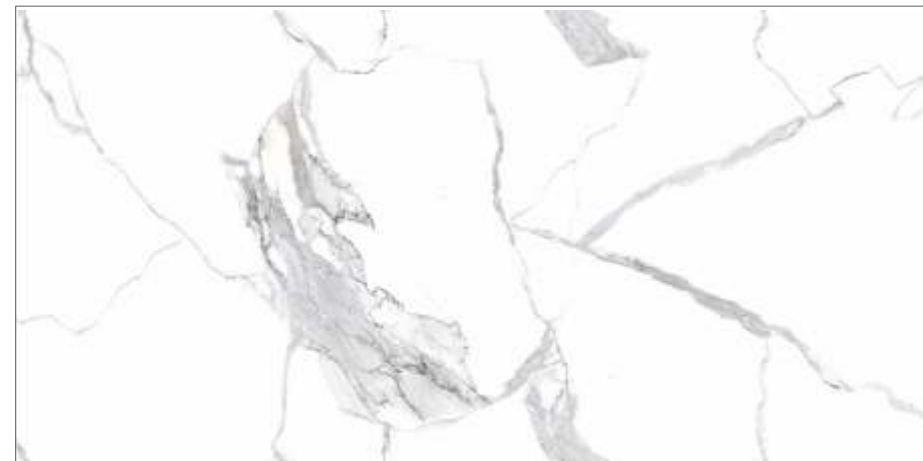




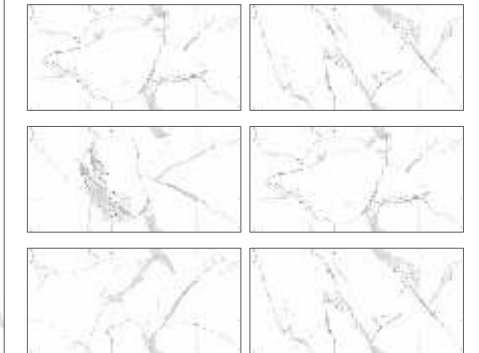
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VA GEORGIA WHITE



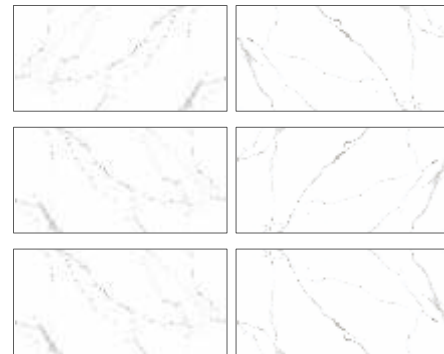
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VA EMBER STATURIO



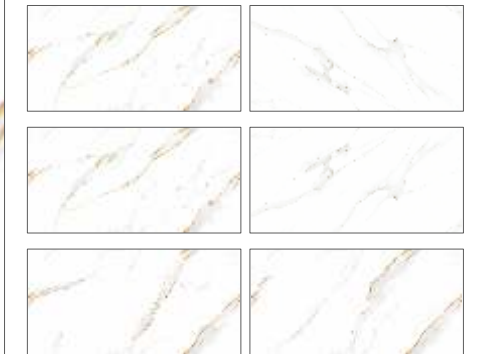
RANDOM 6



VA CAMIN BIANCO



RANDOM 6



VA RHYTHM WHITE

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

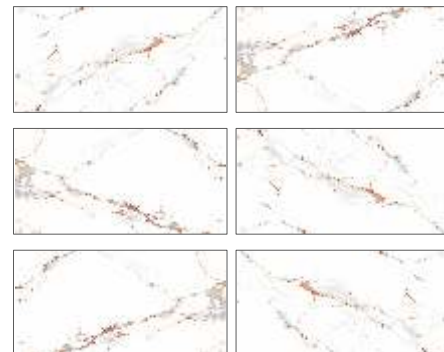
Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished





RANDOM 6



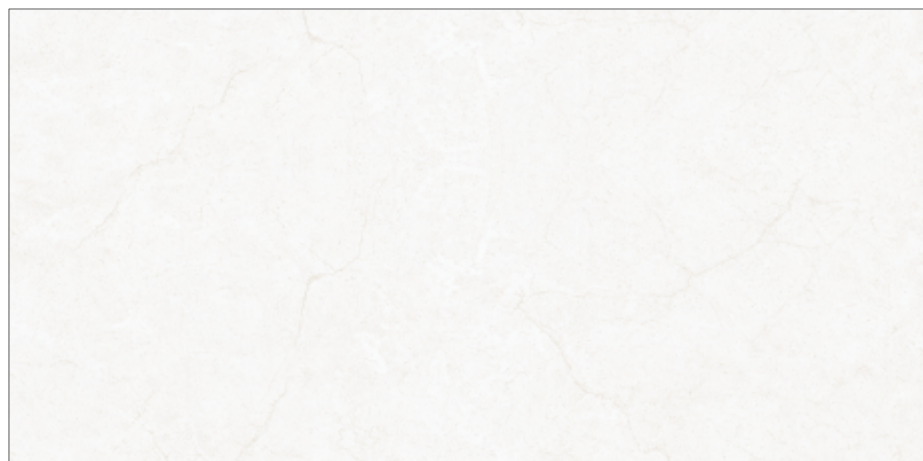
VA VECTOR WHITE



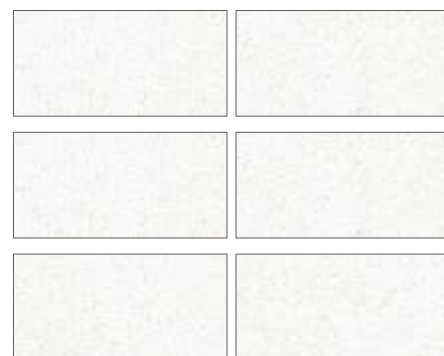
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VA SYDNEY BIANCO



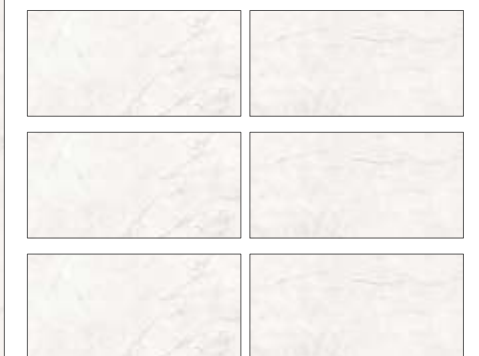
RANDOM 6



VA ARYA LIGHT



RANDOM 6



VA ANKARA BIANCO

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished





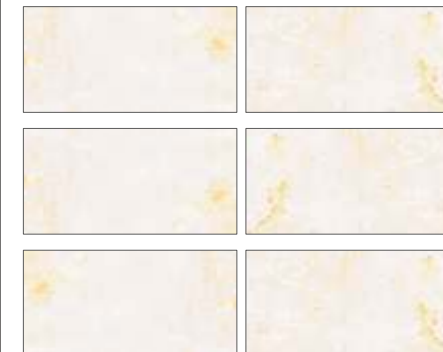
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VA CHAMPION ASH



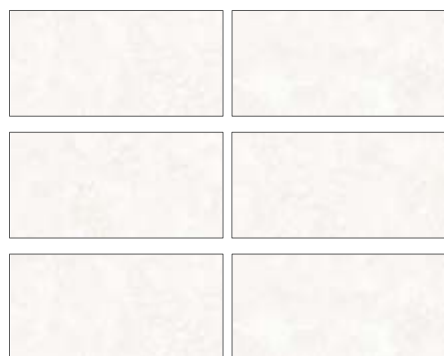
RANDOM 6



VA YELLOW ONYX



RANDOM 6



VA NOVELLA ONYX



RANDOM 6



VA SPL YELLOW ONYX

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

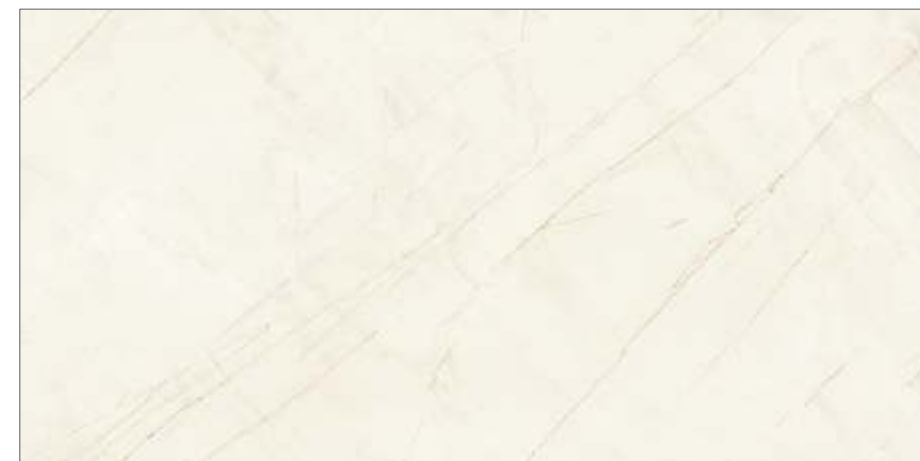
Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished





VA BAGUNI BIANCO

RANDOM 6



VA FABBLE CREMA

RANDOM 6



Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

R10



MARBLE SELECTIONS

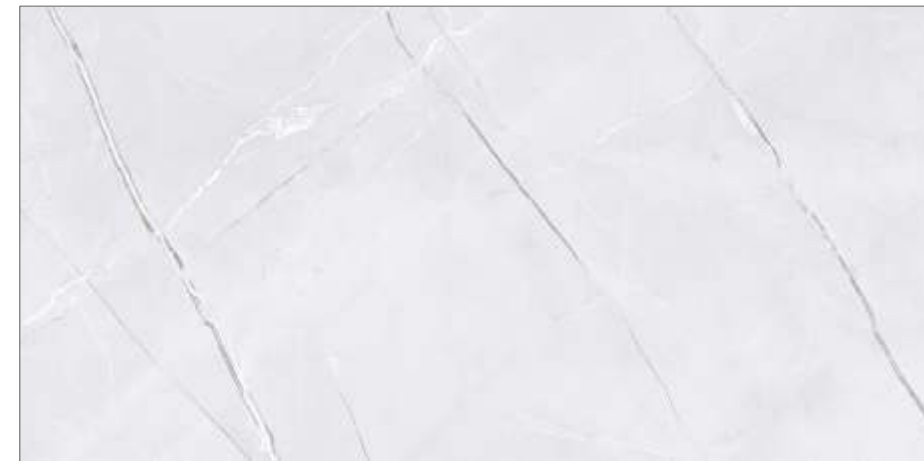
GLAZED PORCELAIN & CERAMIC



RANDOM 6



VA TRAVERTO PEARL



RANDOM 6



VA SAMARA GREY



RANDOM 6



VA OPERA SILVER



RANDOM 6



VA PETRO ONYX

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

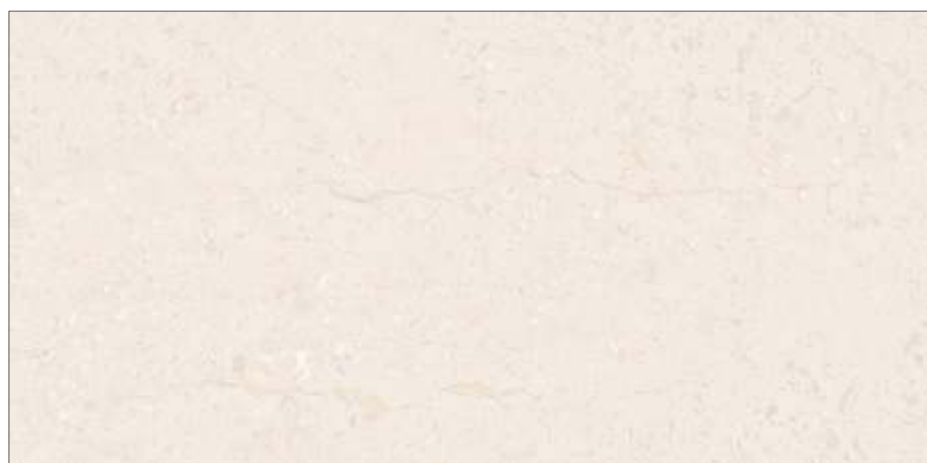
Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished





RANDOM 6



VA MOONROCK BONE



RANDOM 6



VA COUNTRY GREEN



RANDOM 6



VA BOFFON IVORY



RANDOM 6



VA LONATO BEIGE

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

R10





RANDOM 6



VA MALINO CREMA



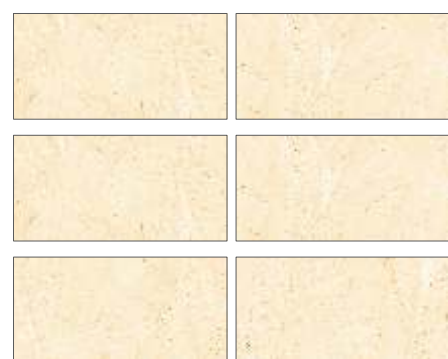
RANDOM 6



VA FEANZA CREMA



RANDOM 6



VA OPERA CREMA



RANDOM 6



VA LATINA BEIGE

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished





VA FEANZA BEIGE

RANDOM 6



VA LATINA BROWN

RANDOM 6



Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished



MARBLE SELECTIONS

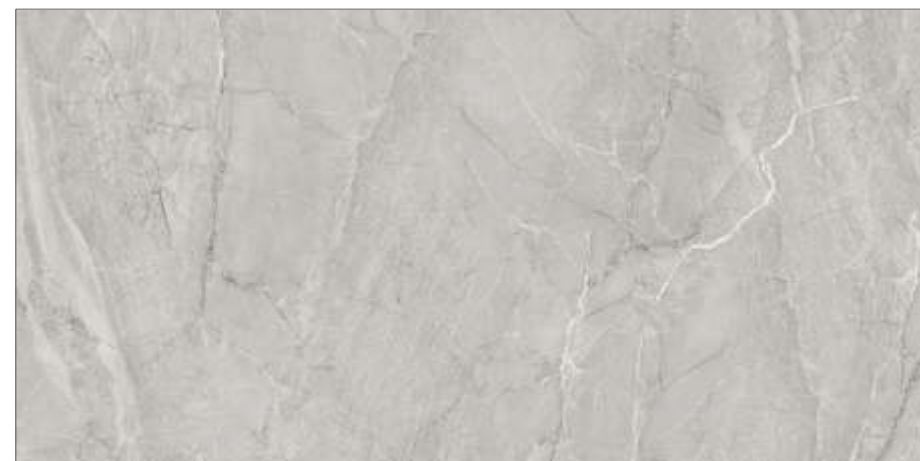
GLAZED PORCELAIN & CERAMIC



RANDOM 6



VA LUCA LAUREL



RANDOM 6



VA OPERA GREY



RANDOM 6



VA TROUT LUSH



RANDOM 6



VA FEANZA GREY

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

R10





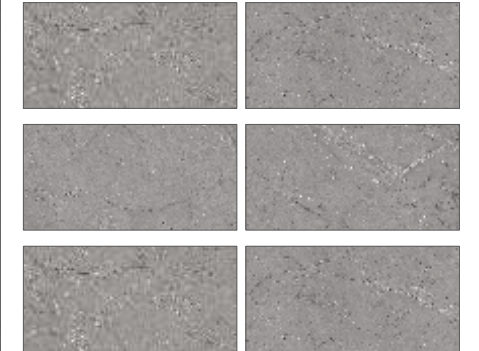
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VA DUKE NATURA



RANDOM 6



VA CHAMPION GREY



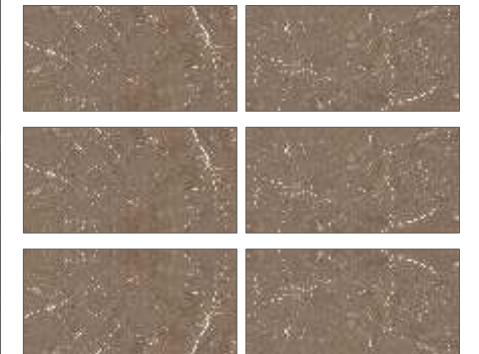
RANDOM 6



VA SAMARA GRIS



RANDOM 6



VA VINCENT BROWN

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

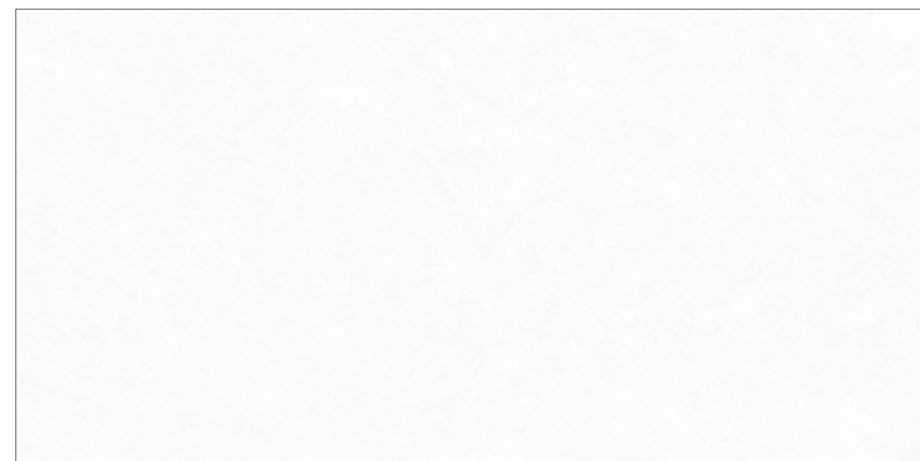
Polished
Satin
Matt
Rustic
Carving
High Polished





VA FEANZA NERO

RANDOM 6



VA INSTA WHITE



VA VENATO BIANCO



VA ONICATA CREMA

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

R10





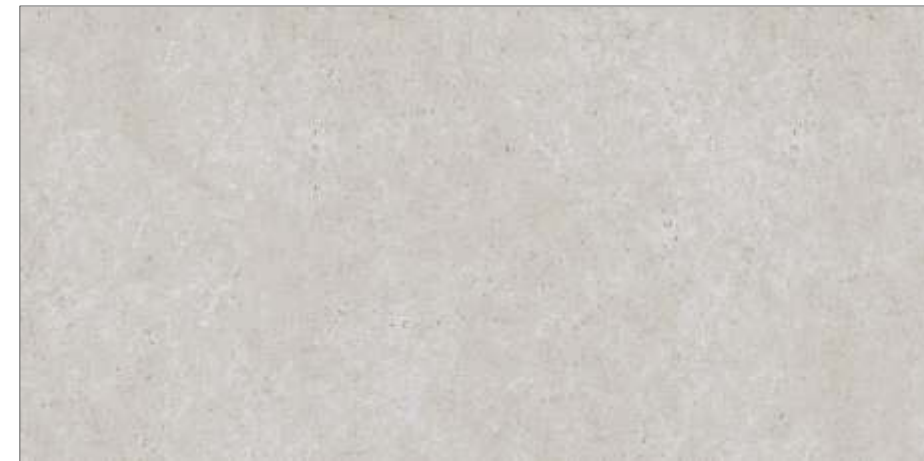
VA JASPER CREMA



VA ALGERIA BEIGE



VA MANELIA CREMA



VA FERRO GREY

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
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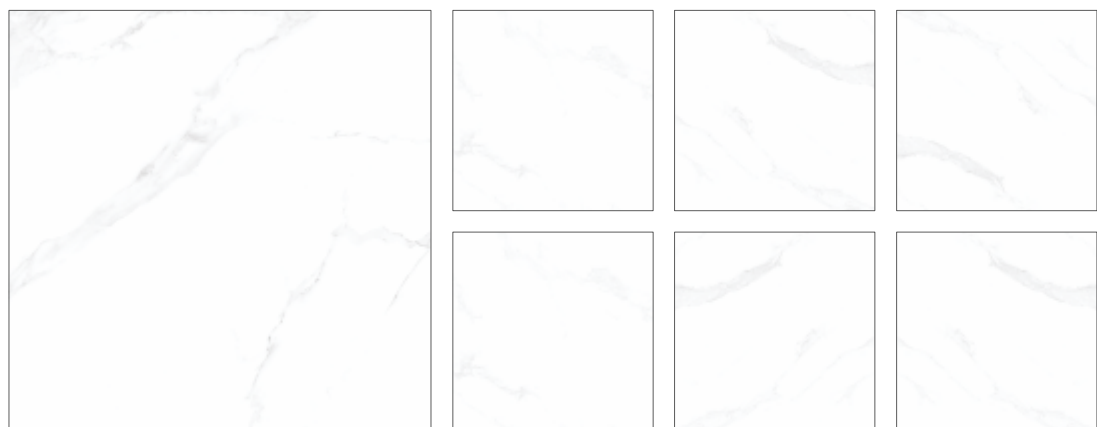
Available Finishes

Polished
Satin
Matt
Rustic
Carving
High Polished

R10



RANDOM 6



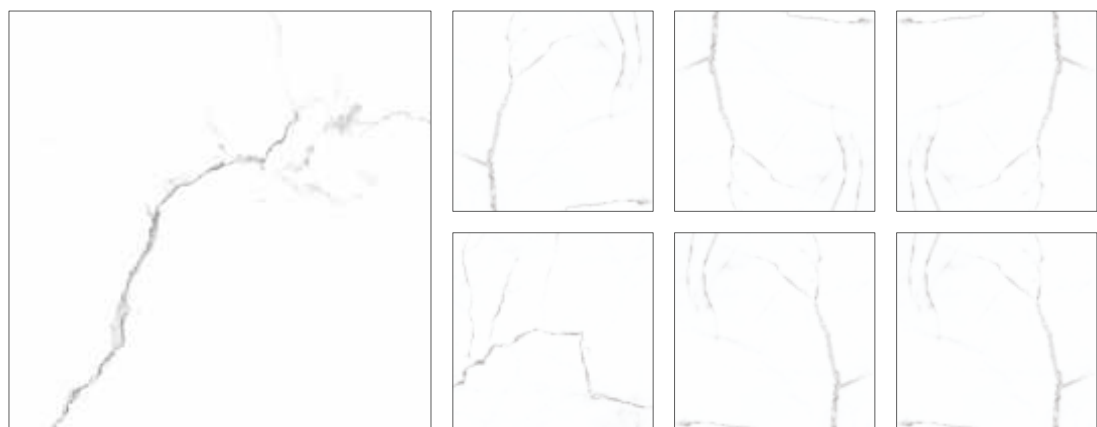
VA GREENO CARRARA

RANDOM 6



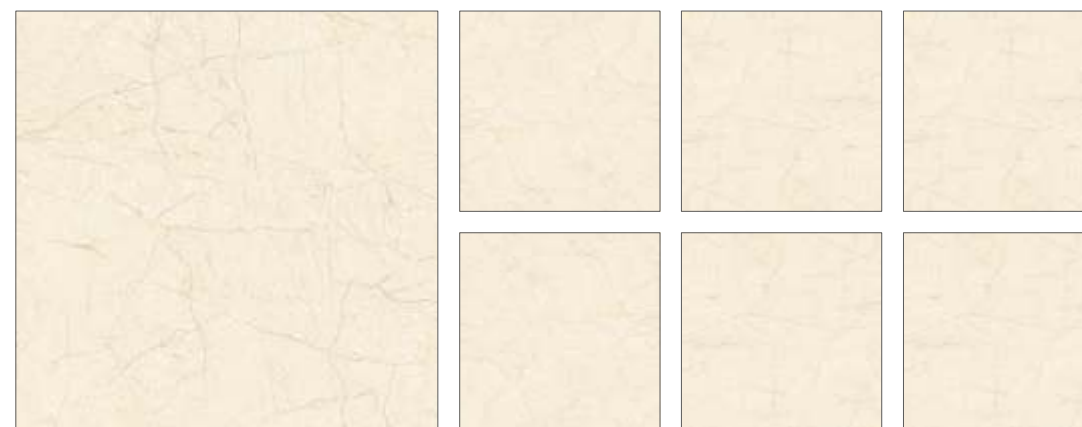
VA BOLSON SNOW

RANDOM 6



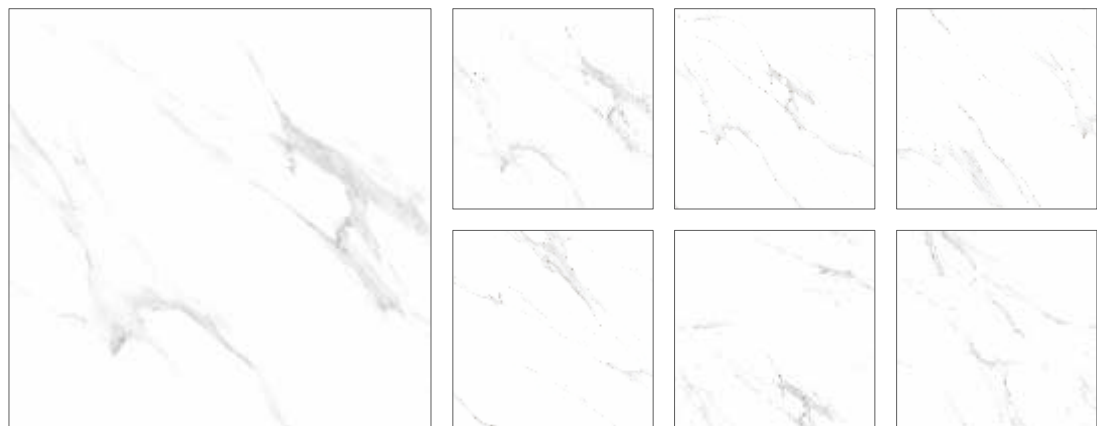
VA ALLIX STATUARIO

RANDOM 6

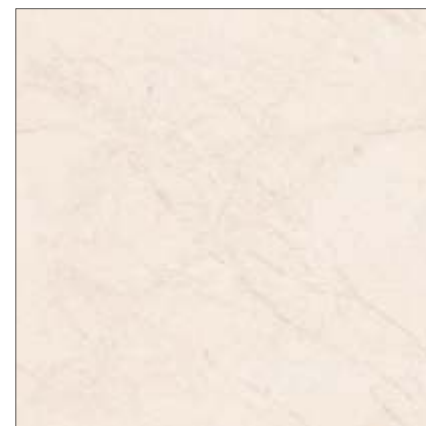


VA RINGLE BEIGE

RANDOM 6



VA QUTALIA STATUARIO



VA BELMEN BEIGE

MARBLE SELECTIONS

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

- Polished
- Satin
- Matt
- Rustic
- Carving
- High Polished





CEMENT SELECTION

GLAZED PORCELAIN

Experience sophistication with our Cement selection, meticulously crafted to merge industrial look with cutting-edge innovation. This collection delivers refined elegance, elevating your space to new heights with the added charm of cement textures.

artella



VA ETHER GREY

VA ETHER GREY

CEMENT SELECTION

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

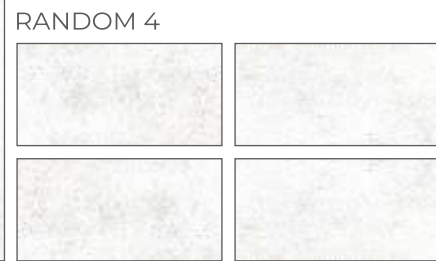
Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

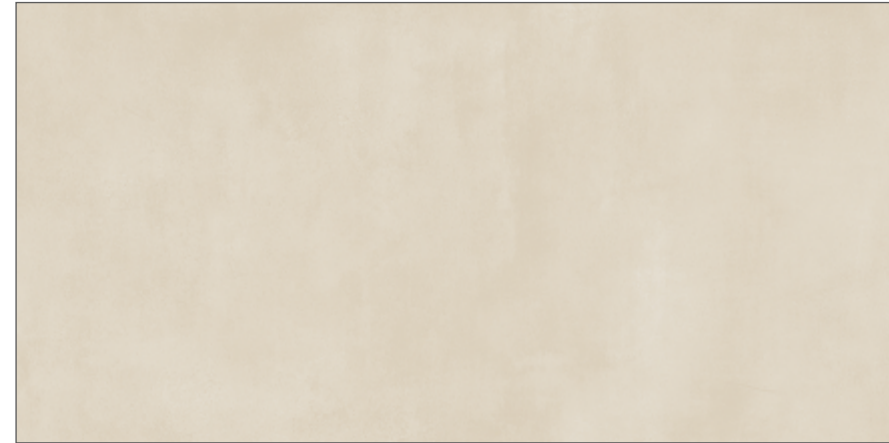
Satin
Matt
Rustic

R10

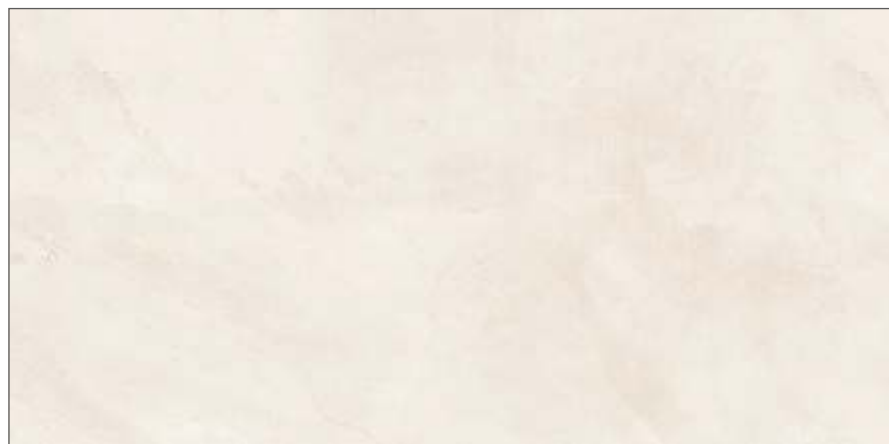




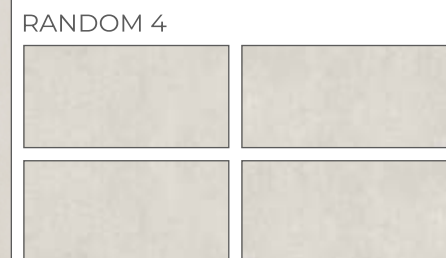
VA MARICI PEARL



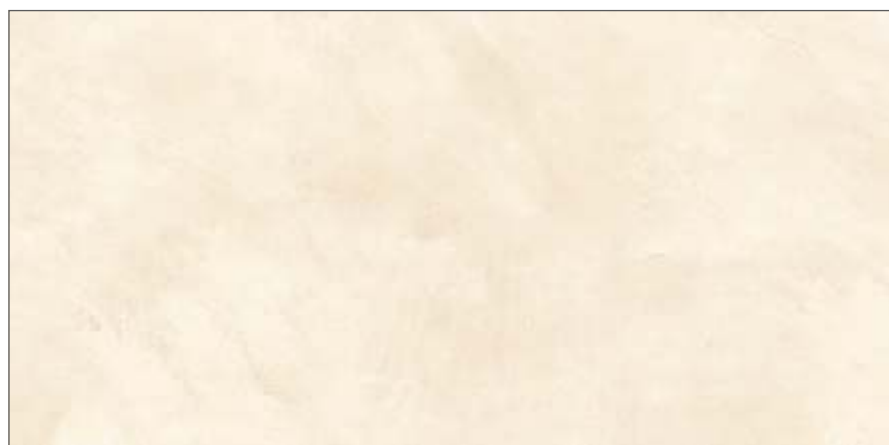
VA WISDOM CREMA



VA OCEAN CREMA



VA WISDOM PEARL






VA THAR CREMA



VA THAR SILVER

Available sizes *in cm*

Available Finishes

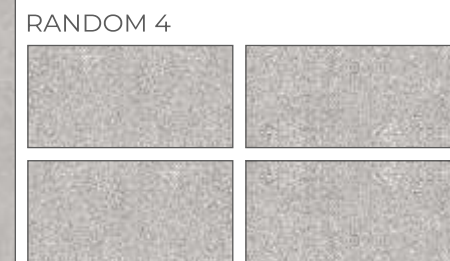
Glazed porcelain		Ceramic		Satin Matt Rustic		
120x240	80x160	30x60	60x60			
120x180	60x120					
120x120	60x60					
100x100	30x60					

CEMENT SELECTION

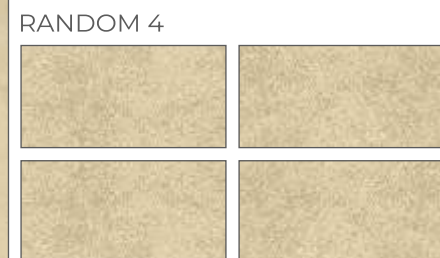
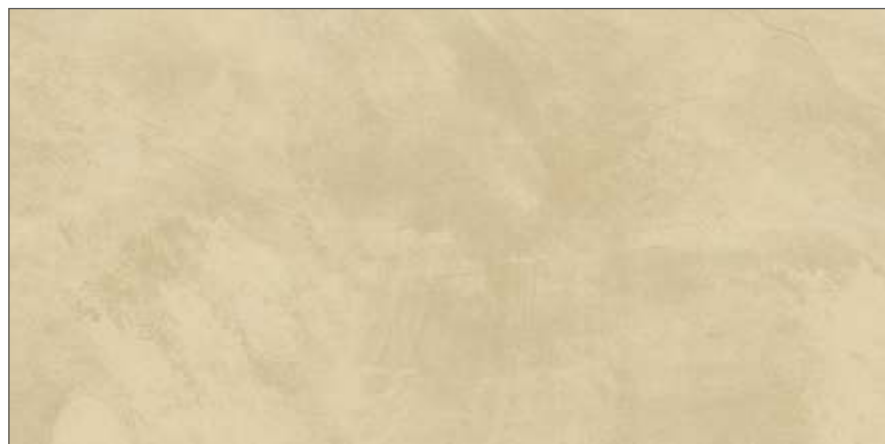
GLAZED PORCELAIN & CERAMIC



VA OCEAN SILVER



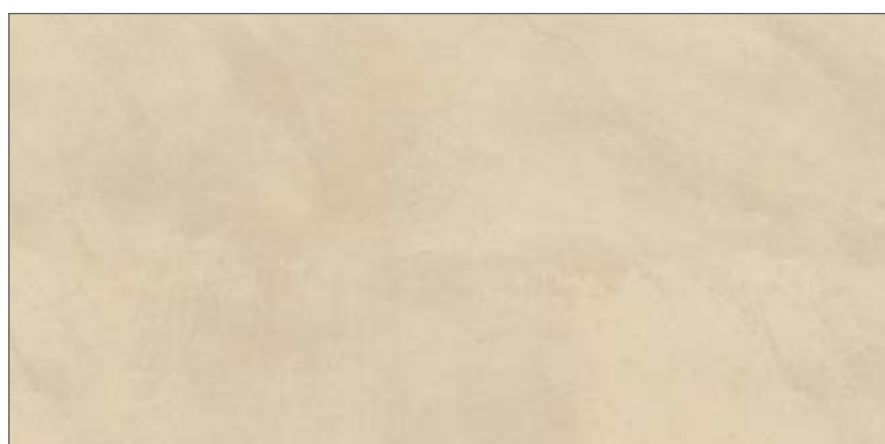
VA CARINA GREY



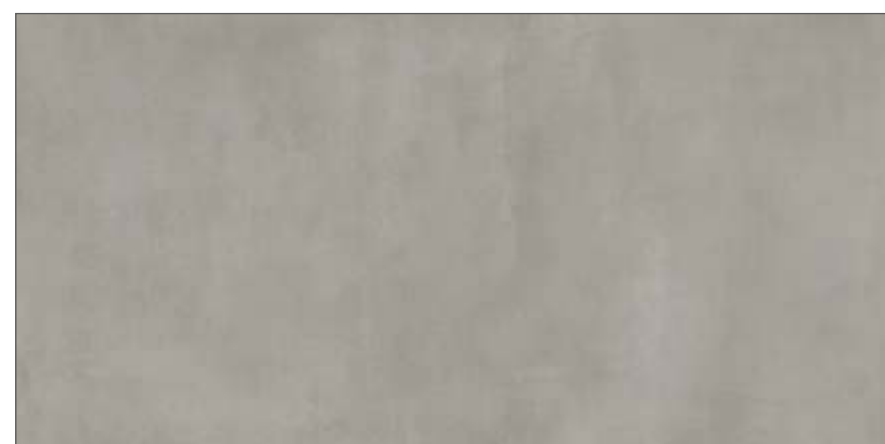
VA THAR BEIGE



VA WISDOM GREEN





VA OCEAN BEIGE



VA WISDOM GREY

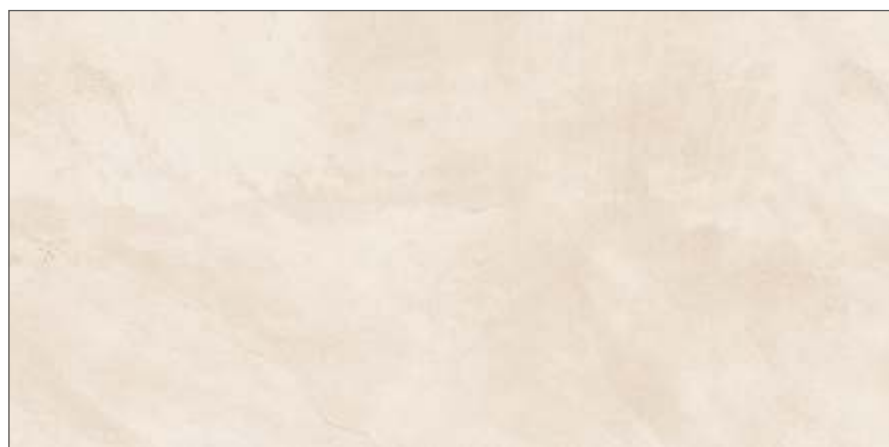
Available sizes *in cm*

Available Finishes

Glazed porcelain		Ceramic		Satin Matt Rustic		
120x240	80x160	30x60	60x60			
120x180	60x120					
120x120	60x60					
100x100	30x60					

CEMENT SELECTION

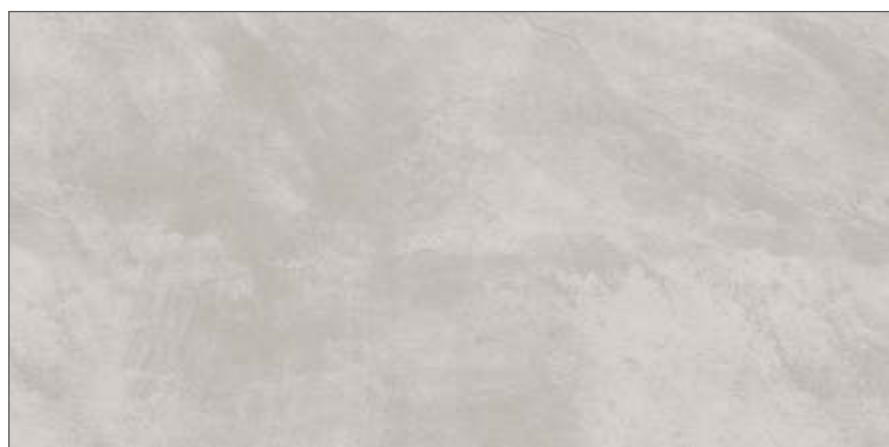
GLAZED PORCELAIN & CERAMIC



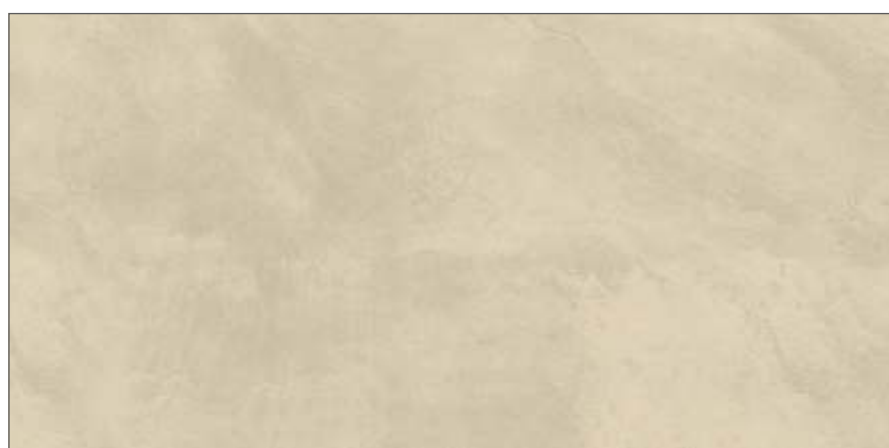
VA NECTAR CREMA



VA ONERY SILVER DECOR



VA NECTAR SILVER



VA NECTAR BEIGE

Available sizes *in cm*

Available Finishes

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Satin
Matt
Rustic



CEMENT SELECTION

GLAZED PORCELAIN & CERAMIC



VA ECCLES BIANCO



VA AMAZON SILVER



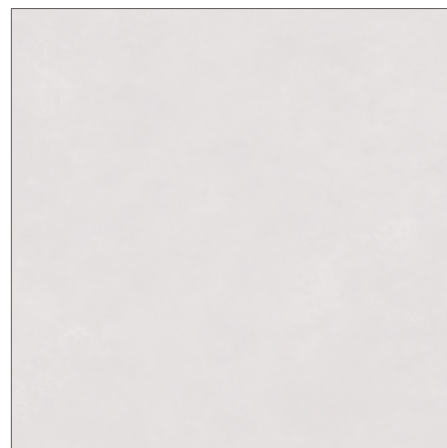
VA ECCLES CREMA



VA AMAZON CEMENTO



VA ALVIN BIANCO



VA AMAZON TAUPE



VA ECCLES GREY



VA ECCLES BROWN



VA PANAMA BEIGE



VA NEIL PISTA



VA AMAZON GRIS



VA ECCLES CHOCO

Available sizes *in cm*

Available Finishes

CEMENT SELECTION

GLAZED PORCELAIN & CERAMIC

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Satin
Matt
Rustic

R10





VA AMAZON ASH



VA AMAZON BLACK



VA ALVIN GREY



VA VENEZIA GREY

RANDOM 3



CEMENT SELECTION

GLAZED PORCELAIN & CERAMIC

Available sizes *in cm*

Glazed porcelain		Ceramic	
120x240	80x160	30x60	60x60
120x180	60x120		
120x120	60x60		
100x100	30x60		

Available Finishes

Satin
Matt
Rustic





artella

STONE SELECTION

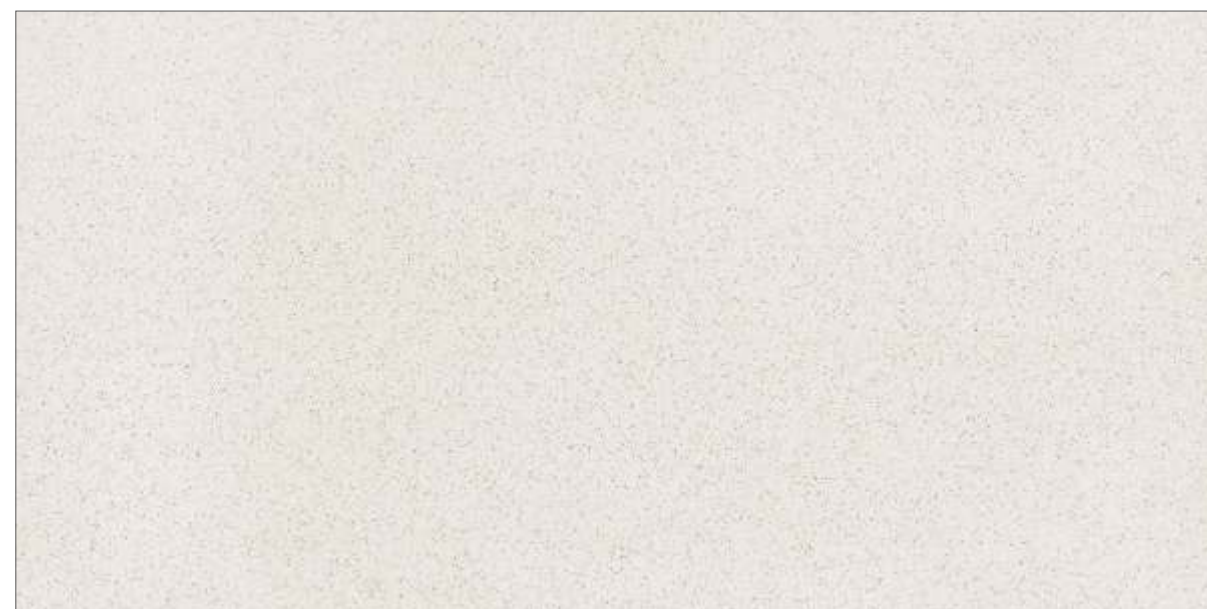
GLAZED & UNGLAZED PORCELAIN

Elevate your interiors with our thoughtfully curated stone palette, where innovation meets craftsmanship. This selection embodies the richness of natural **stone, meticulously crafted for your tastes.**

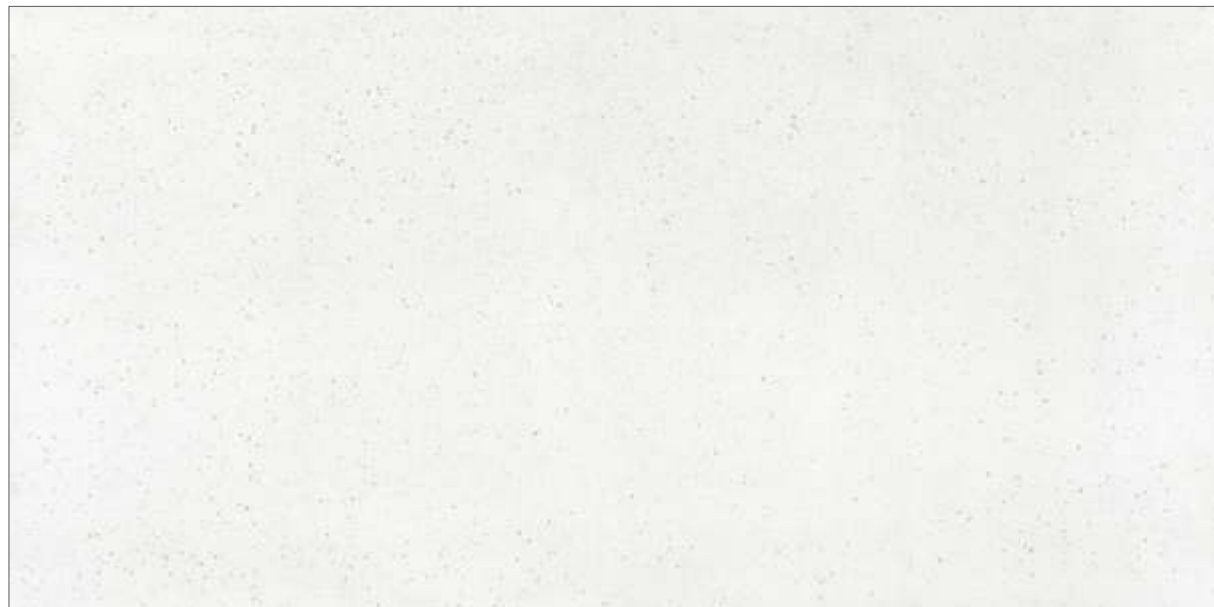




VA SOLITARE BIANCO



VA SP SNOW



VA NATURAL WHITE



VA SOLITARE BEIGE

STONE SELECTION

UNGLAZED PORCELAIN

Available sizes *in cm*

Glazed porcelain

60x120
60x60
30x60

Available Finishes

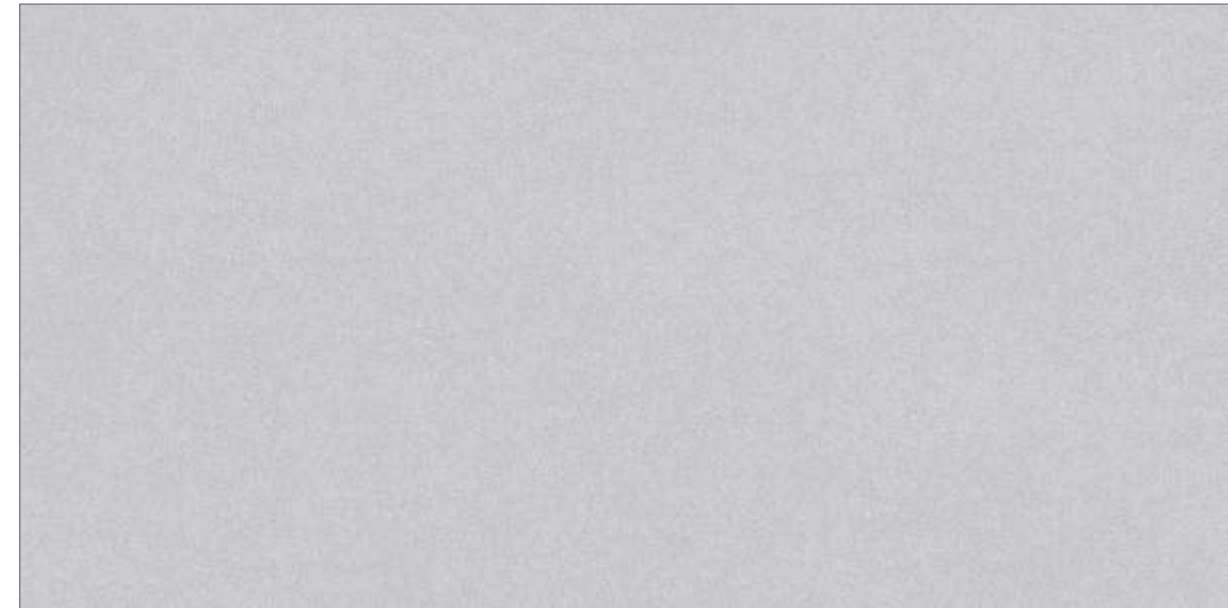
Satin
Matt
Rustic

R10





S&P SILVER



VA SP SILVER



VA SOLITARE OLIVE

STONE SELECTION

UNGLAZED PORCELAIN

Available sizes *in cm*

Glazed porcelain

60x120
60x60
30x60

Available Finishes

Satin
Matt
Rustic

R10





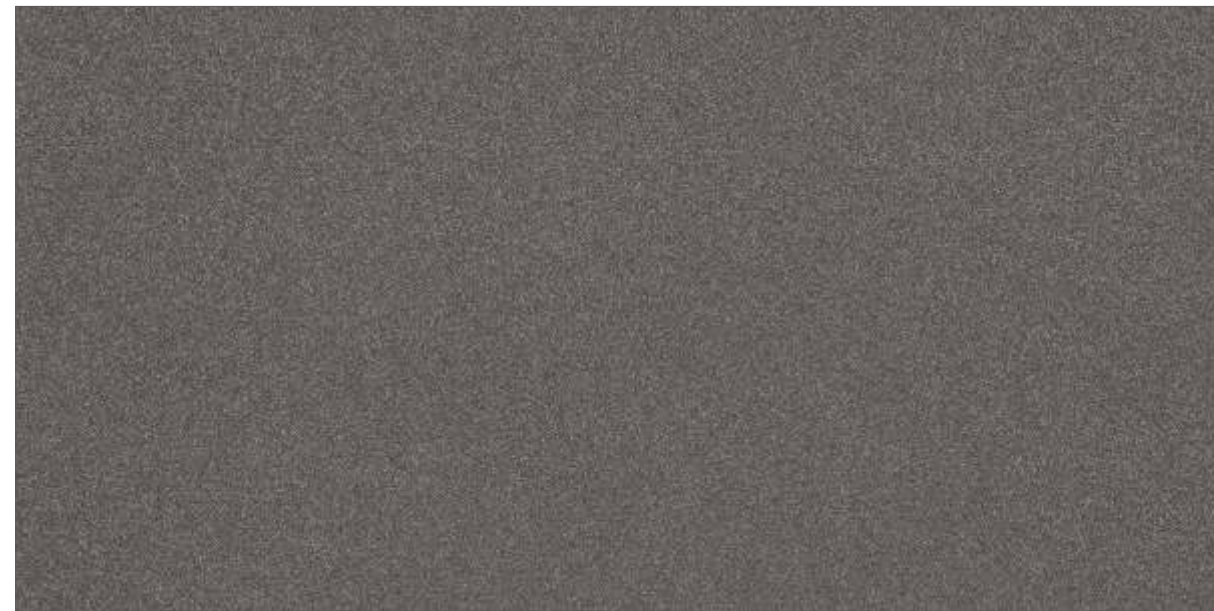
VA SOLITARE BARLEY



VA SMOKE GREY



VA SOLITARE GRAY



VA SP NERO

STONE SELECTION

UNGLAZED PORCELAIN

Available sizes *in cm*

Glazed porcelain

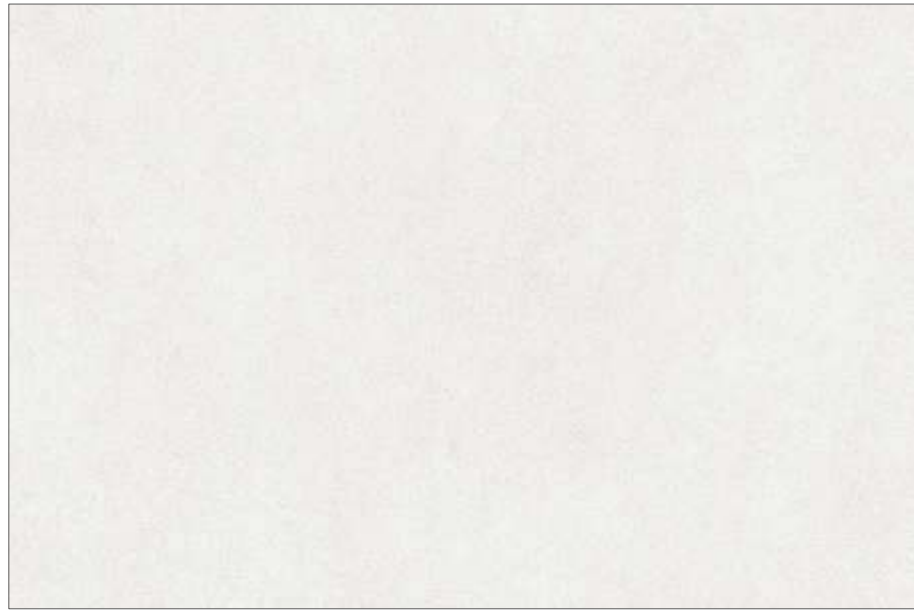
60x120
60x60
30x60

Available Finishes

Satin
Matt
Rustic

R10





RANDOM 4



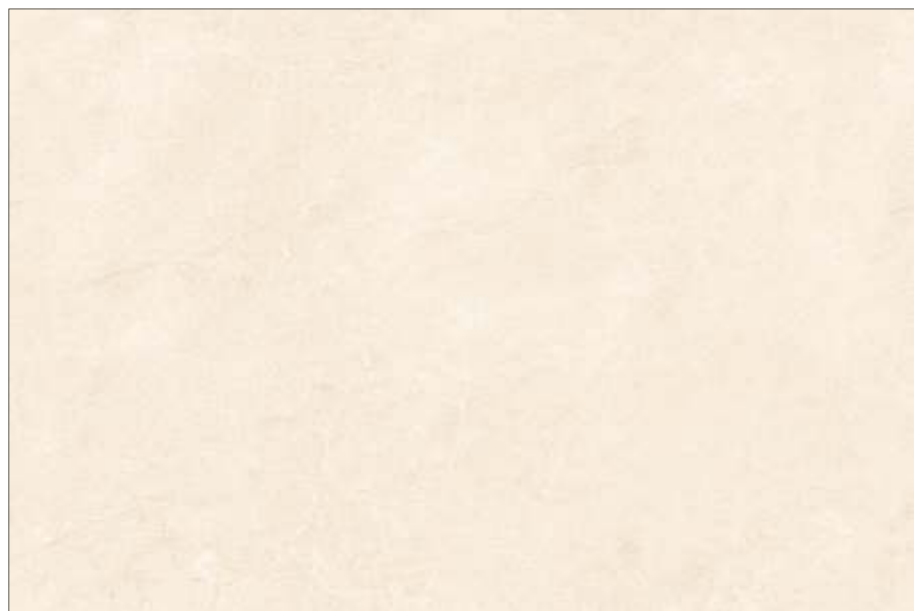
VA SANDY SILVER



RANDOM 4



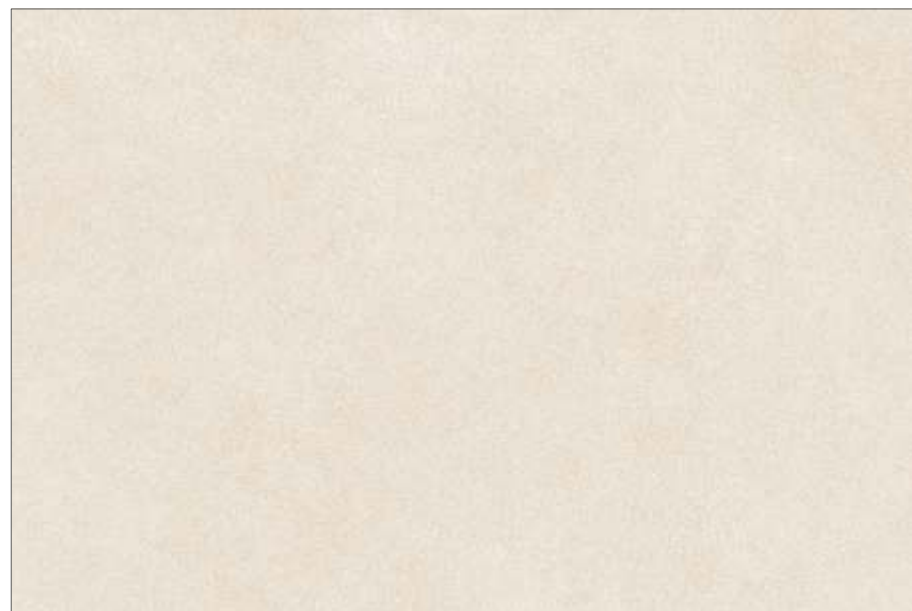
VA SANDY BEIGE



RANDOM 4



VA SISCA CREMA



RANDOM 4



VA SERENE BEIGE

Available sizes *in cm*

Available Finishes

Glazed porcelain

60x120
60x60
30x60

Satin
Matt
Rustic

R10



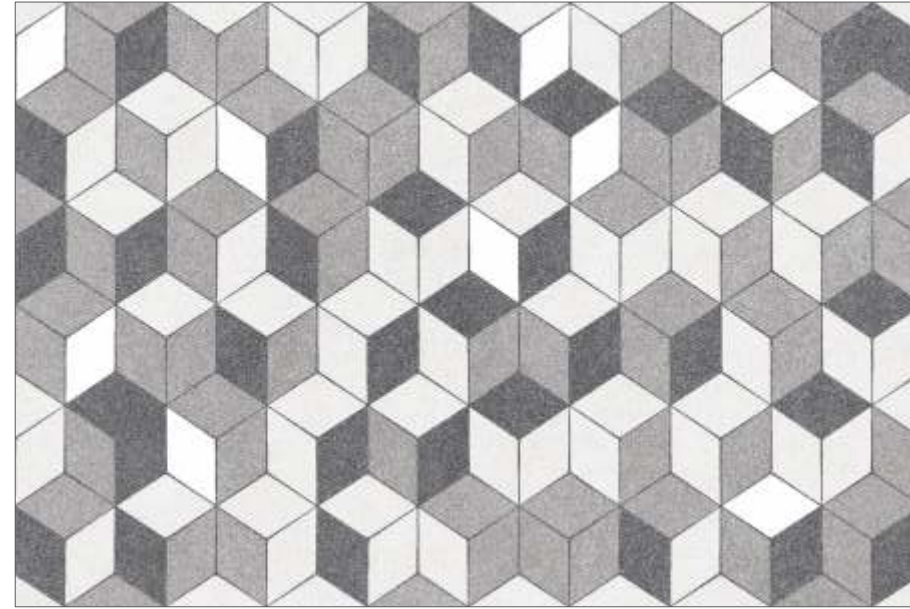
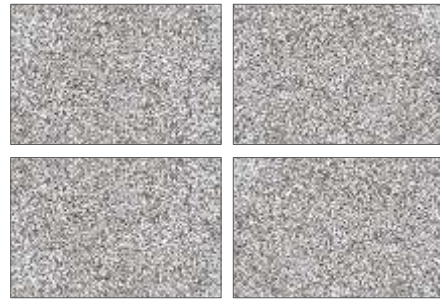
STONE SELECTION

UNGLAZED PORCELAIN



VA SANDY GREY

RANDOM 4

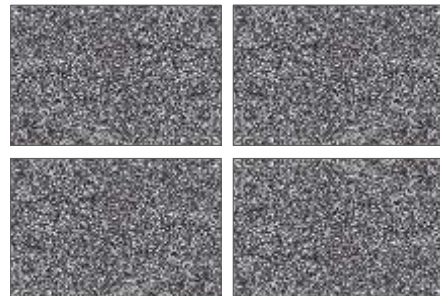


VA HEXION GREY ROCKER



VA SANDY NERO

RANDOM 4



Available sizes *in cm*

Available Finishes

Glazed porcelain

60x120
60x60
30x60

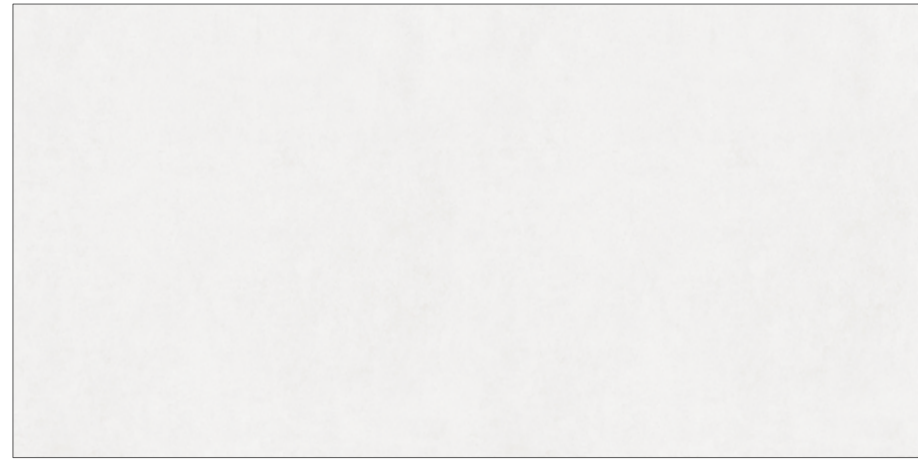
Satin
Matt
Rustic

R10



STONE SELECTION

UNGLAZED PORCELAIN



RANDOM 4



VA CARINA BIANCO



RANDOM 4



VA WISDOM CREMA

STONE SELECTION

UNGLAZED PORCELAIN

Available sizes *in cm*

Glazed porcelain

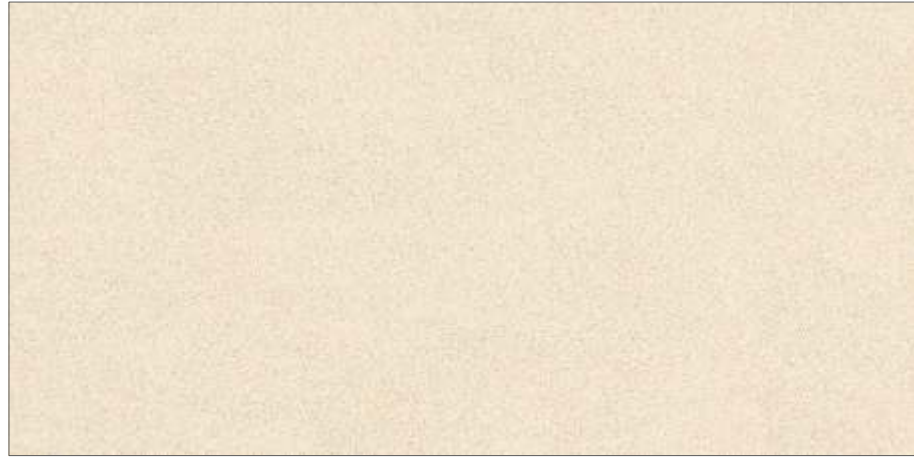
60x120
60x60
30x60

Available Finishes

Satin
Matt
Rustic

R10





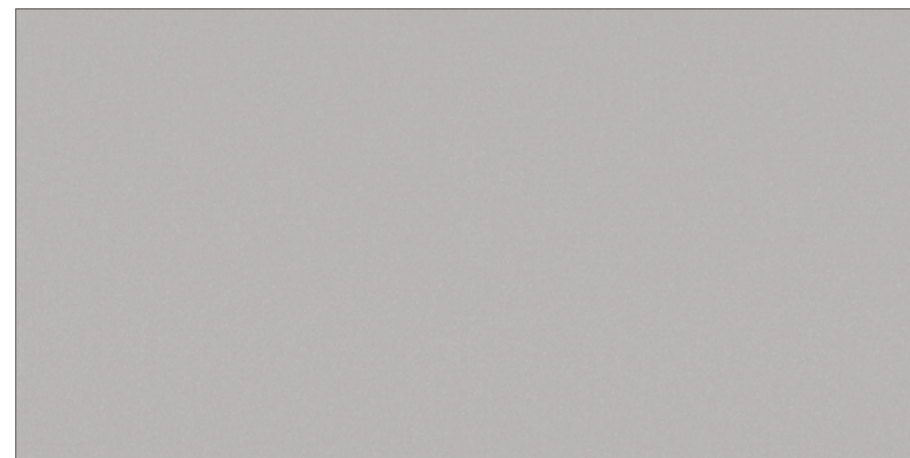
VA S&P CREMA



VA SP SILVER



VA CENTURY CREMA



VA LIGHT GREY

STONE SELECTION

UNGLAZED PORCELAIN

Available sizes *in cm*

Glazed porcelain

60x120
60x60
30x60

Available Finishes

Satin
Matt
Rustic

R10





VA CENTURY NERO



VA SAHARA NERO



VA SP PASTEL BROWN

STONE SELECTION

UNGLAZED PORCELAIN

Available sizes *in cm*

Glazed porcelain

60x120
60x60
30x60

Available Finishes

Satin
Matt
Rustic

R10





VA RENCHER BEIGE

RANDOM 2



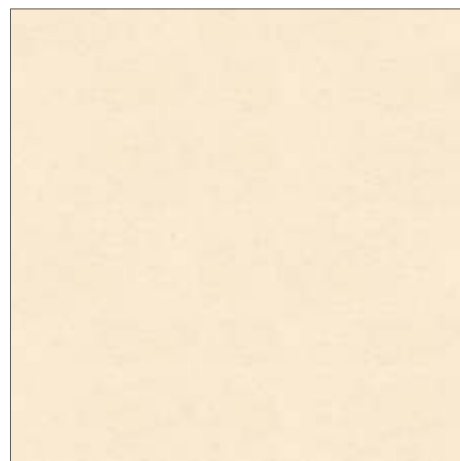
VA ZANE CREME



VA CHICAGO IVORY



VA GRANOLITE WHITE



VA CHICAGO BEIGE



VA SANDUNE CREMA



VA GRANOLITE GREY

Available sizes *in cm*

Available Finishes

STONE SELECTION

GLAZED & UNGLAZED PORCELAIN

Glazed porcelain

60x120
60x60
30x60

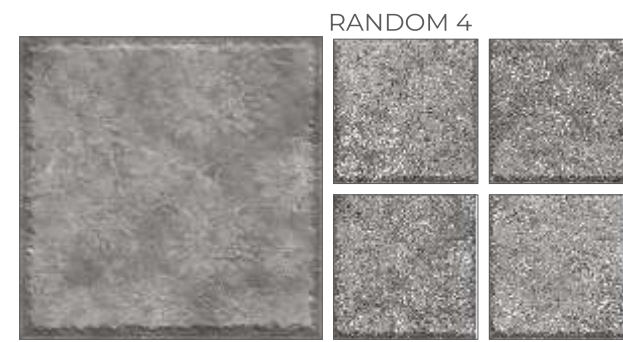
Satin
Matt
Rustic

R10





VA CEDRIC SILVER



VA FLORAL GREY



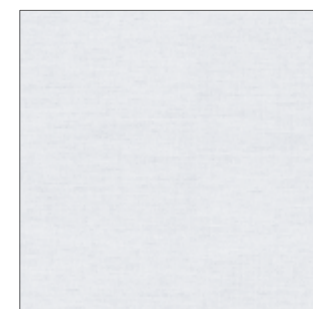
VA CEDRIC BEIGE



VA CEDRIC GREY



VA CEDRIC ASH



VA FABRIC GREY



VA FABRIC CREMA



VA CEDRIC BRONZE



VA BURNS GREY

Available sizes *in cm*

Available Finishes

STONE SELECTION

GLAZED PORCELAIN & CERAMIC

Glazed porcelain

60x120
60x60
30x60

Satin
Matt
Rustic





TEXTURE SELECTION

GLAZED PORCELAIN

Experience the epitome of sophistication with our textured collection. Transform your space with the tactile allure of textures, seamlessly blending contemporary design with a raw aesthetic – a perfect fusion that enhances **your surroundings with timeless elegance**

artella

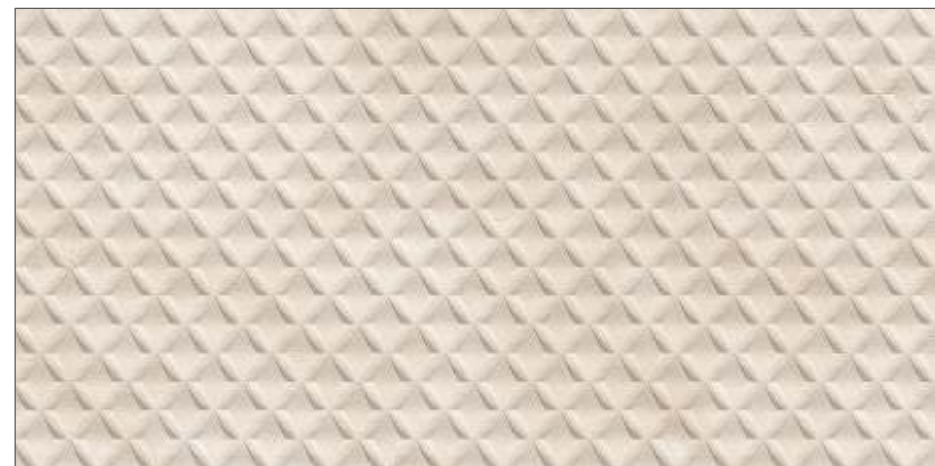
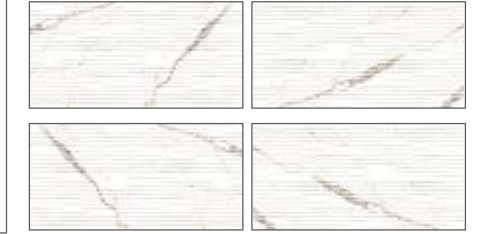


GLITZ WHITE



VA GLITZ WHITE

RANDOM 4



VA SAHARA CREMA DECOR

RANDOM 4



TEXTURE SELECTION

GLAZED PORCELAIN

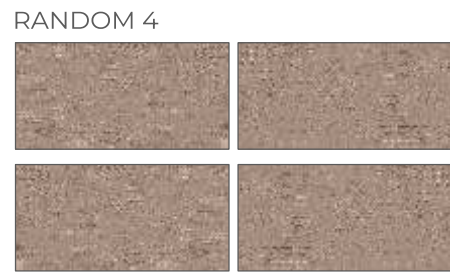
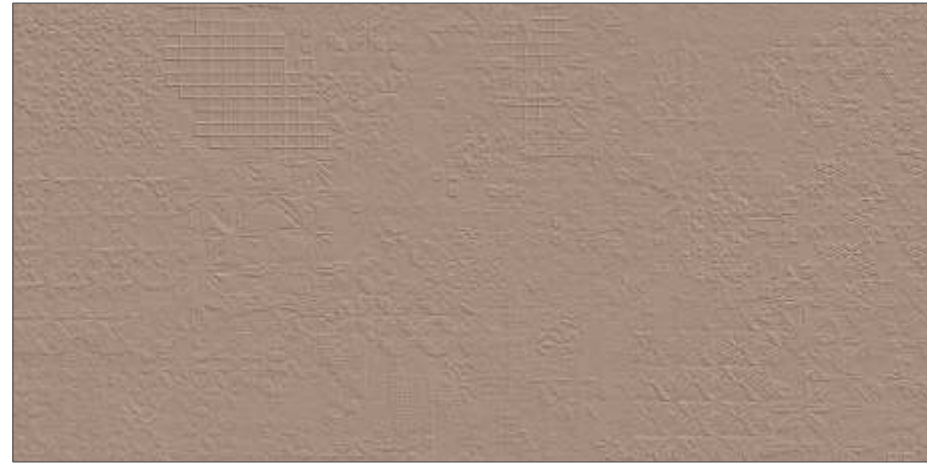
Available sizes

Glazed porcelain
60x120

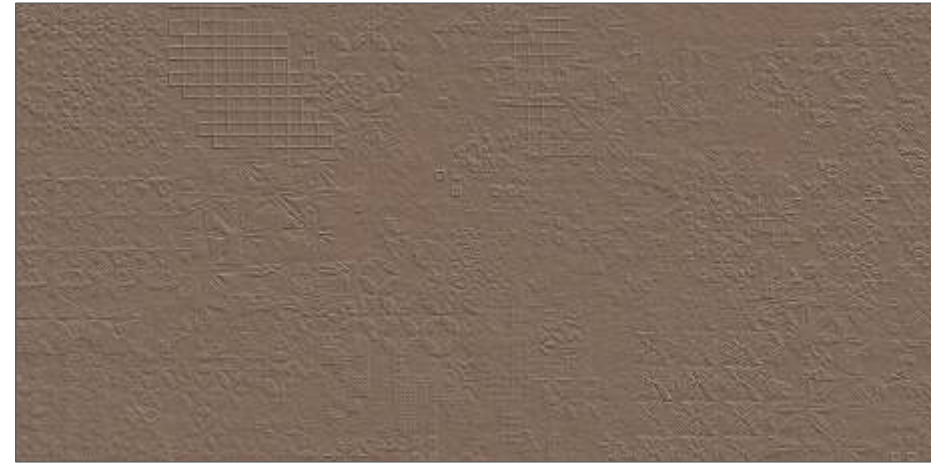
Available Finishes

Matt

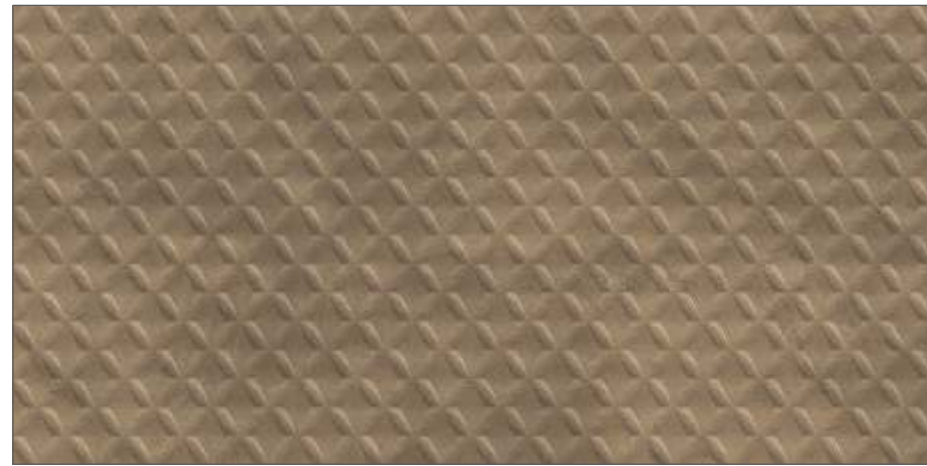




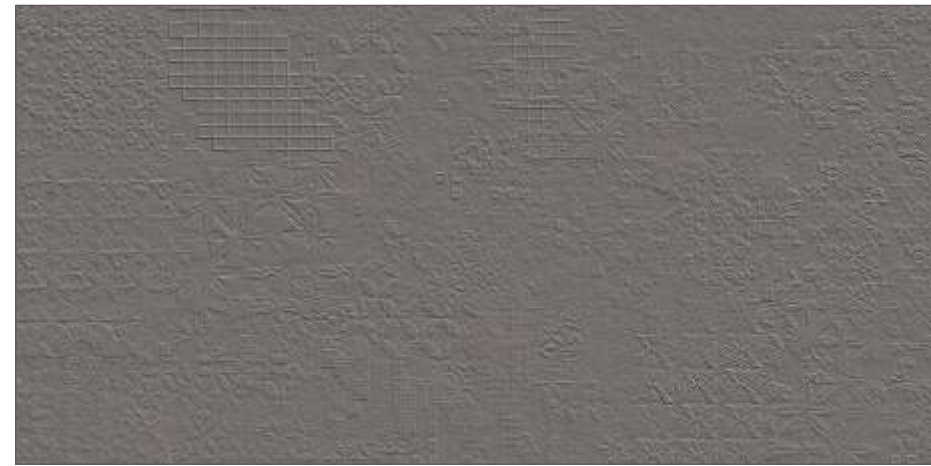
VA ROMAN MUSHROOM



VA ROMAN BELGIUM



VA SAHARA MIST DECOR



VA ROMAN CARBON



Available sizes

Glazed porcelain
60x120

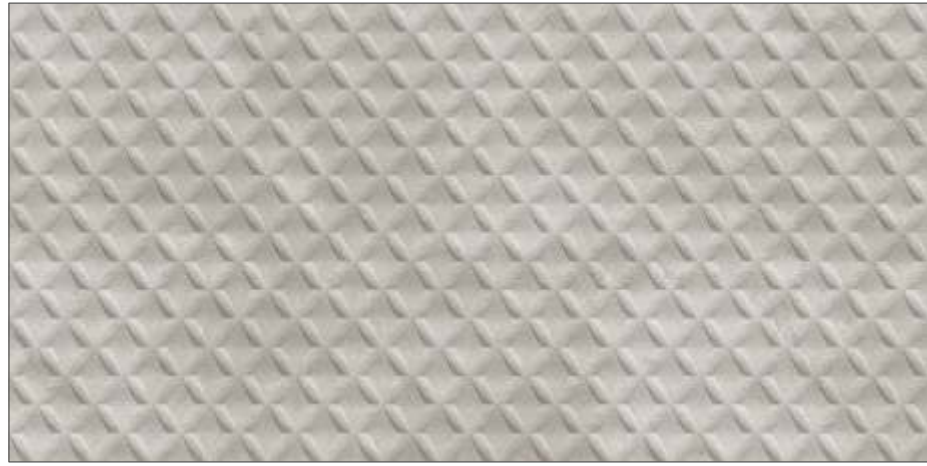
Available Finishes

Matt



TEXTURE SELECTION

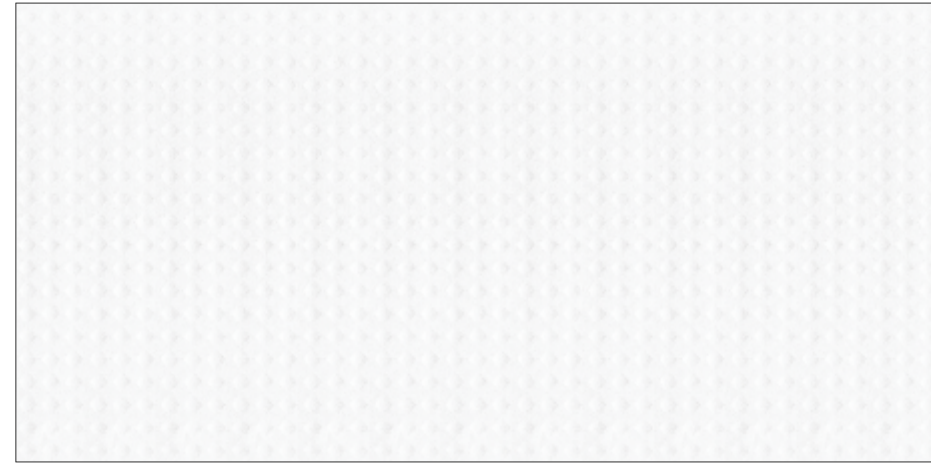
GLAZED PORCELAIN



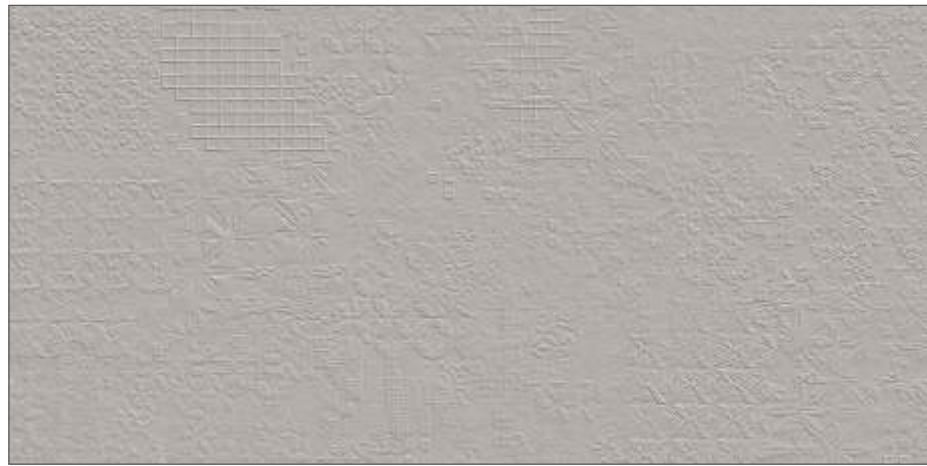
VA SAHARA SILVER DECOR



RANDOM 4



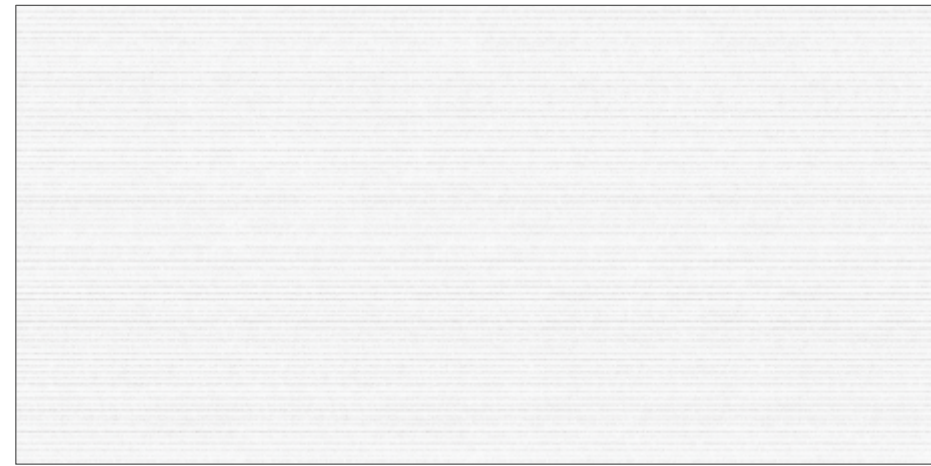
VA SP SNOW SPRINKLE



VA ROMAN CEMENT



RANDOM 4



VA SP SNOW LINEA



Available sizes

Glazed porcelain
60x120

Available Finishes

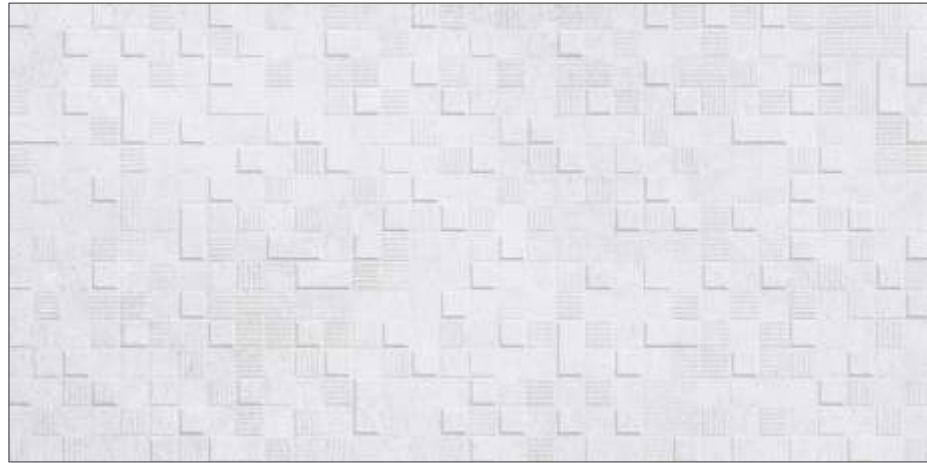
Matt

R10



TEXTURE SELECTION

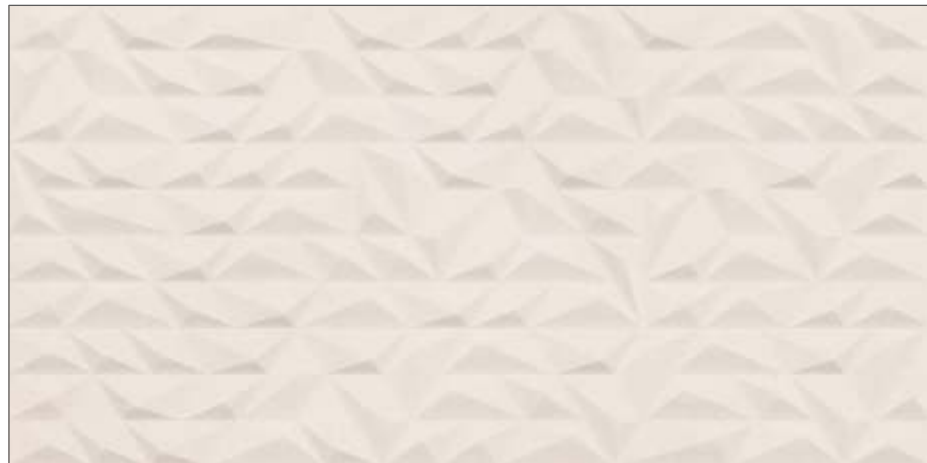
GLAZED PORCELAIN



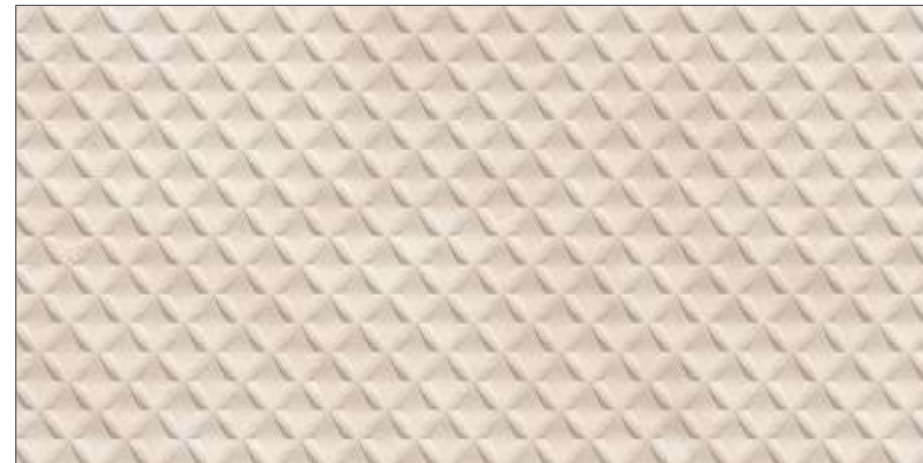
VA CENTURY BIANCO DECOR MT



VA SP SNOW SPRINKLE



VA SENTIENT SAND DECOR MT



VA NECTAR CREMA DECOR



Available sizes

Glazed porcelain
60x120

Available Finishes

Matt

R10



TEXTURE SELECTION

GLAZED PORCELAIN



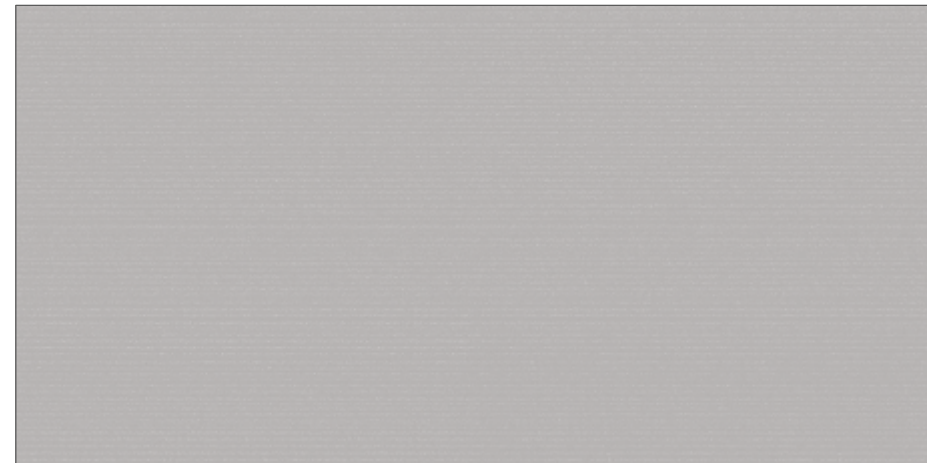
VA CENTURY CREMA DECOR MT



VA NECTAR SILVER DECOR



VA NECTAR BEIGE DECOR



VA LIGHT GREY LINEA



TEXTURE SELECTION

GLAZED PORCELAIN

Available sizes

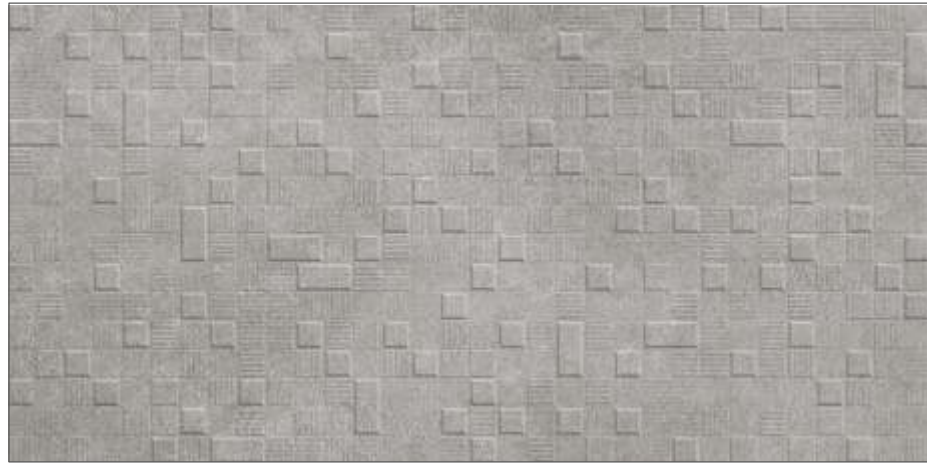
Glazed porcelain
60x120

Available Finishes

Matt

R10





VA PUNCH CENTURY NERO DECOR



VA EMERY GREY DECOR



VA SENTIENT NERO DECOR MT



VA VERDE LINEA



Available sizes

Glazed porcelain
60x120

Available Finishes

Matt

R10

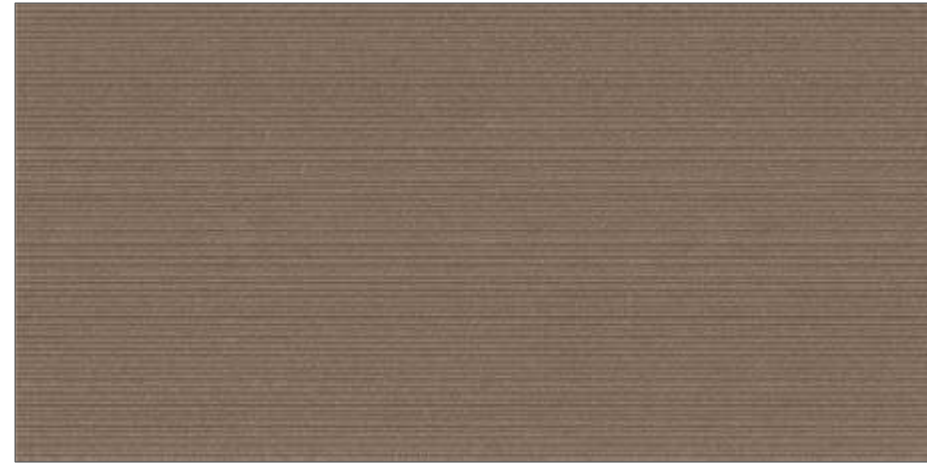


TEXTURE SELECTION

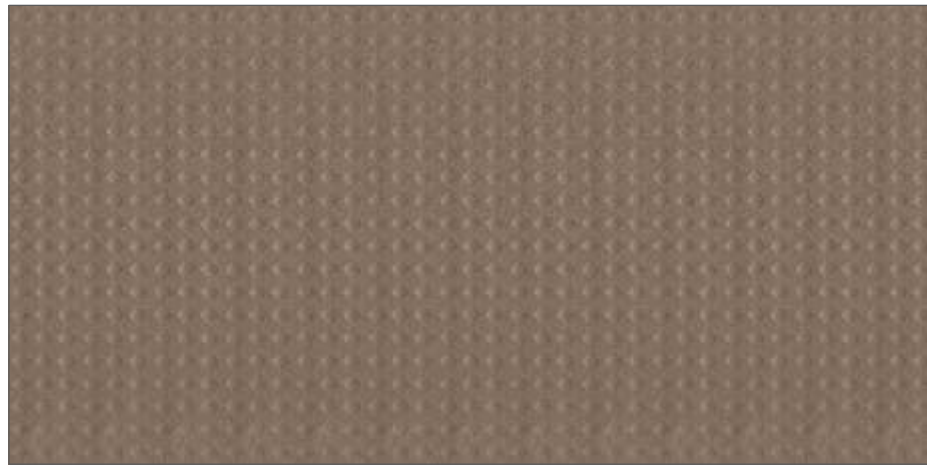
GLAZED PORCELAIN



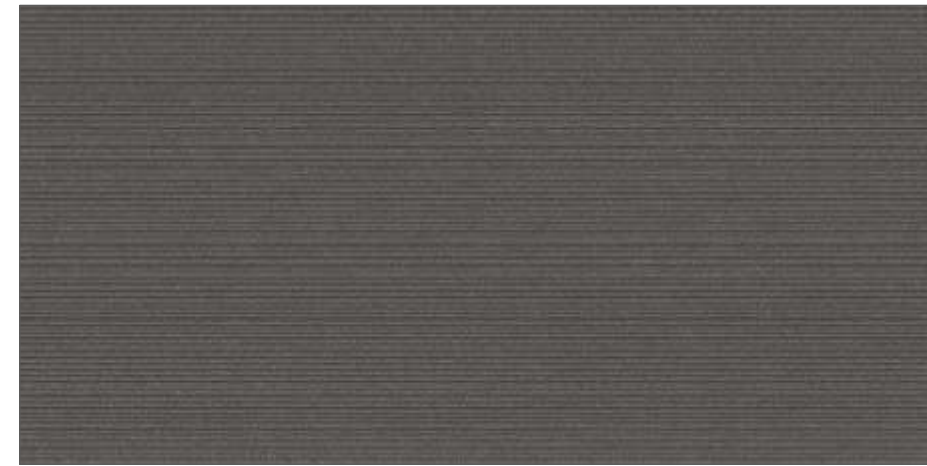
VA VERDE SPRINKLE



VA SP PASTEL BROWN LINEA



VA SP PASTEL BROWN SPRINKLE



VA SP BLACK LINEA



Available sizes

Glazed porcelain
60x120

Available Finishes

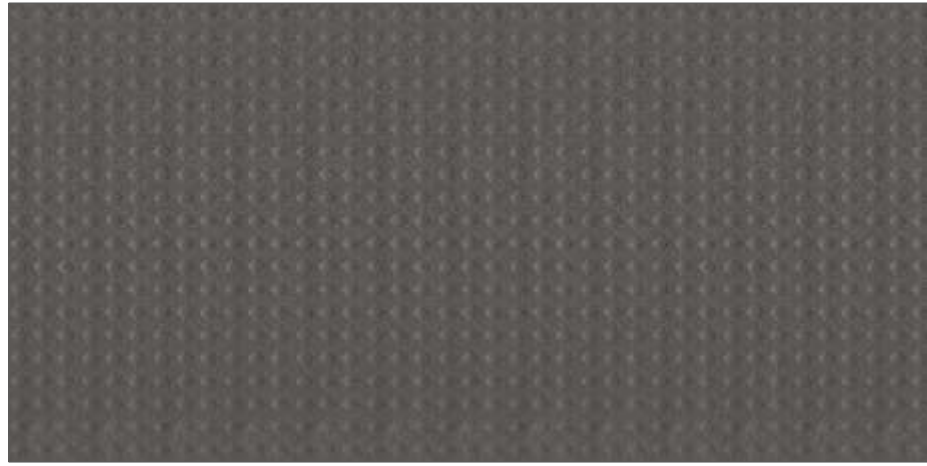
Matt

R10



TEXTURE SELECTION

GLAZED PORCELAIN



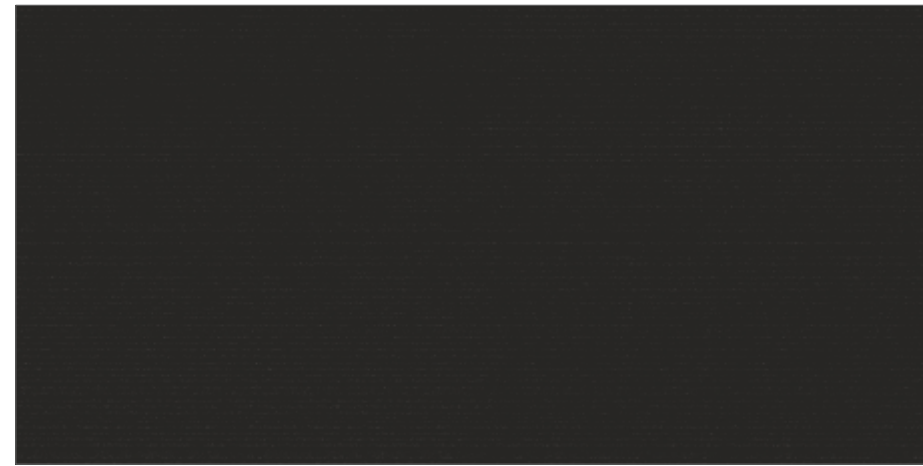
VA SP BLACK SPRINKLE



VA VANTA BLACK SPRINKLE



VA RUSTIC GRODEN BLACK



VA VANTA BLACK LINEA



Available sizes

Glazed porcelain
60x120

Available Finishes

Matt

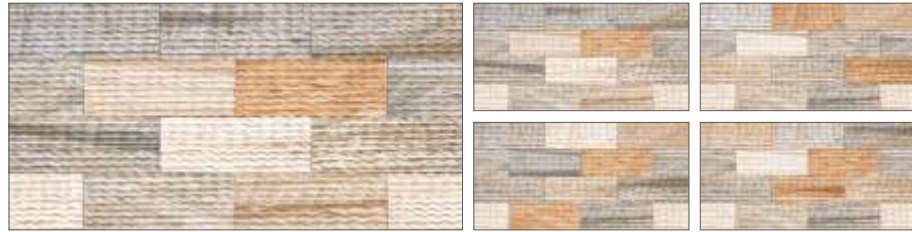
R10



TEXTURE SELECTION

GLAZED PORCELAIN

RANDOM 4



VA RIPPLE STONE MIX



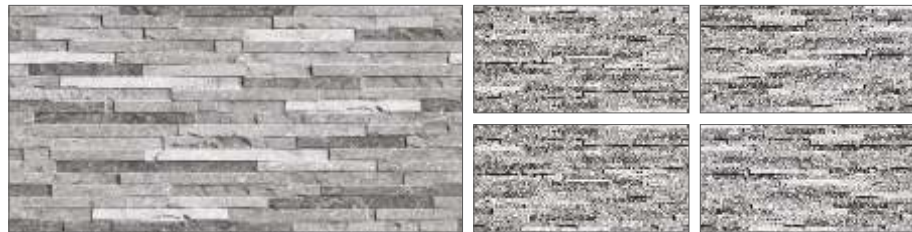
VA EDENSTONE GRIS



VA ALBANO GREY



RANDOM 4



VA ZANE CREME



VA HARMONY GREY



VA FIRE BRICK GREY



VA CASTLESTONE BEIGE



VA EDENSTONE BIANCO



VA MOUNTAIN ROCK BEIGE



VA SQUARE MIX



Available sizes

Glazed porcelain
30x60

Available Finishes

Matt Punch

R10



TEXTURE SELECTION

GLAZED PORCELAIN



WOOD SELECTION

GLAZED PORCELAIN

Embrace nature's tranquility with our wooden selection. Immerse your space in the warmth of rich wood textures, effortlessly blending modern design with the serenity of the outdoors – a refreshing balance that enhances the natural beauty surrounding you.

The background of the entire page is a dense, overlapping pattern of circular wood slices. The slices vary in size and color, ranging from light, warm-toned woods to dark, greyish-brown woods, creating a rich, textured visual effect.

artella



VA PINWOOD



RANDOM 8



VA NAMBIAN WOOD



RANDOM 12

Available sizes

(Glazed porcelain)



20x120

(Gres porcelain)



20x100

Available Finishes

Matt Punch



WOODEN SELECTION

GLAZED PORCELAIN PLANKS



VA SANDLE WOOD



VA CLASSIC OAK



RANDOM 6



RANDOM 5



VA TEAKWOOD



VA ZURICH WOOD ENGLISH



RANDOM 6



RANDOM 6

WOODEN SELECTION

GLAZED PORCELAIN PLANKS

Available sizes

(Glazed porcelain)



20x120

(Gres porcelain)



20x100

Available Finishes

Matt Punch





VA SWEDEN WOOD



VA EGYPTIAN WOOD ALMOND



RANDOM 9



RANDOM 9



VA ARISTO WOOD ALMOND



RANDOM 10

WOODEN SELECTION

GLAZED PORCELAIN PLANKS

Available sizes

(Glazed porcelain)



20x120

(Gres porcelain)



20x100

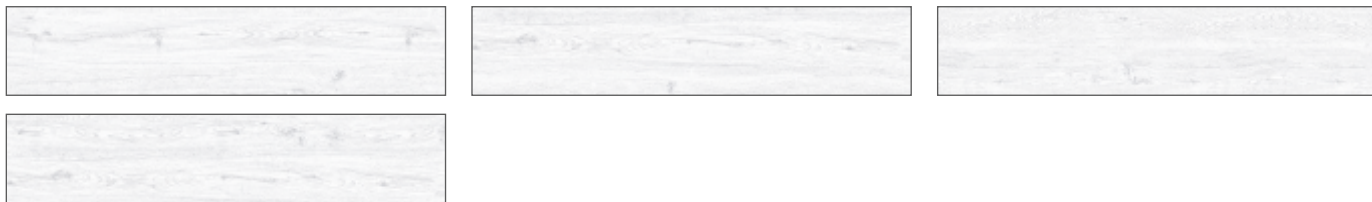
Available Finishes

Matt Punch





VA TEXAN BIANCO WOOD*



RANDOM 4



VA TEXAN GREY WOOD*



RANDOM 4



VA BANER BEIGE WOOD*



RANDOM 4



VA GENZO COFFEE WOOD*



RANDOM 5



VA KENTON PECAN WOOD*



RANDOM 5

Available sizes

(Glazed porcelain)



20x120

(Gres porcelain)



20x100

Available Finishes

Matt Punch



WOODEN SELECTION

GLAZED PORCELAIN PLANKS



SOLID LOOK SELECTION

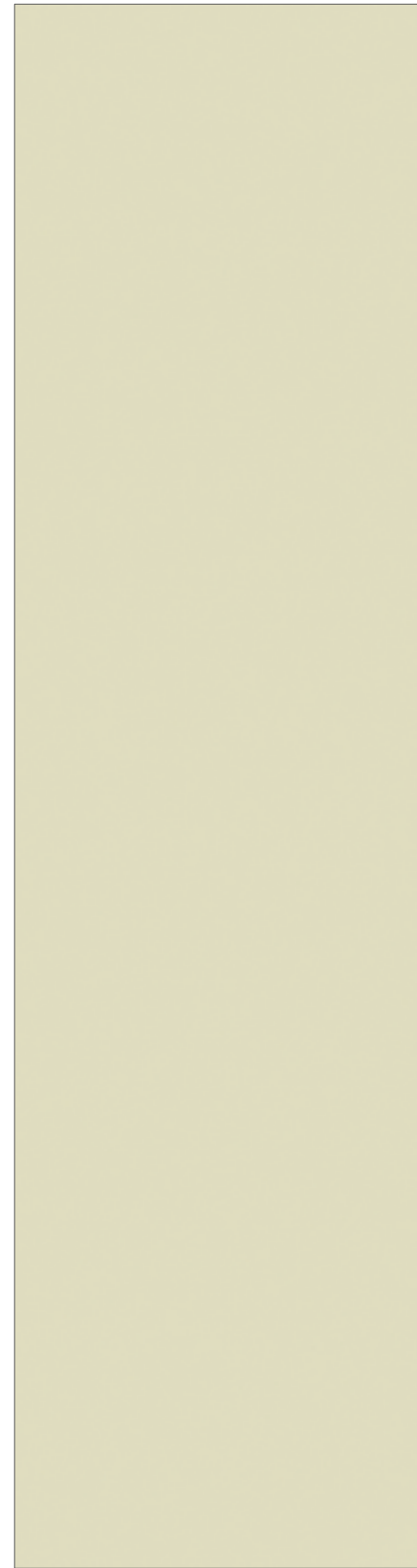
UNGLAZED PORCELAIN

Explore a spectrum of possibilities with our solid-colored tiles. Whether you crave pastels, earthy tones, or vibrant hues, our color portfolio effortlessly caters to your design aspirations, providing a comprehensive palette to elevate every corner of your space.

artella



ROMAN FERN



VA ROMAN FERN

Available sizes

Unglazed porcelain 15 mm
80x300
80x240



VA SAVAGE DK GREY

Available Finishes

Polished
Matt

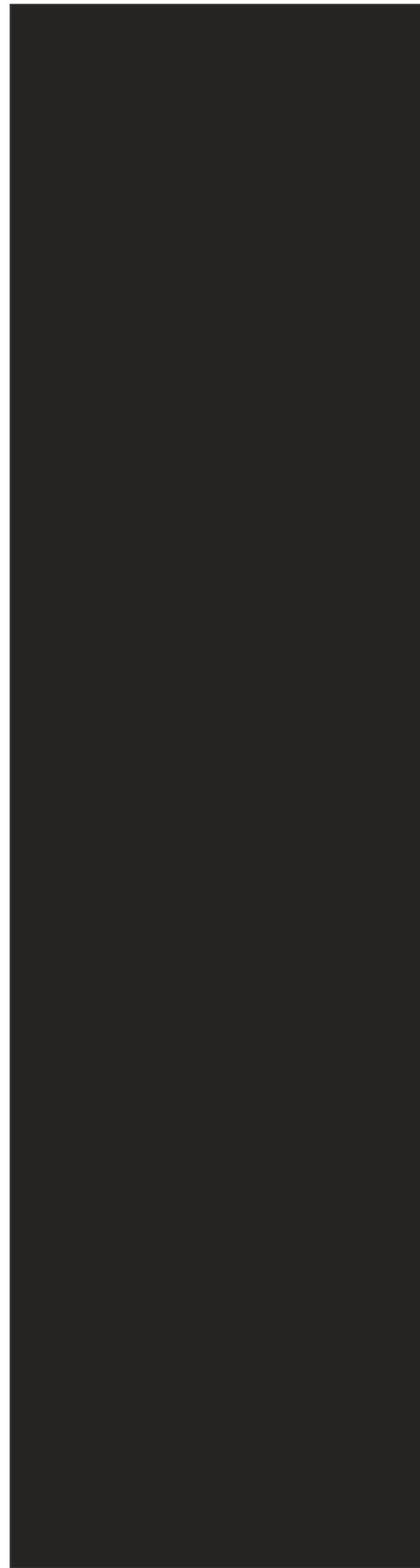


SOLID LOOK SELECTION

UNGLAZED PORCELAIN



VA SAVAGE LT GREY



VA SAVAGE BLACK

Available sizes

Unglazed porcelain 15 mm
80x300
80x240

Available Finishes

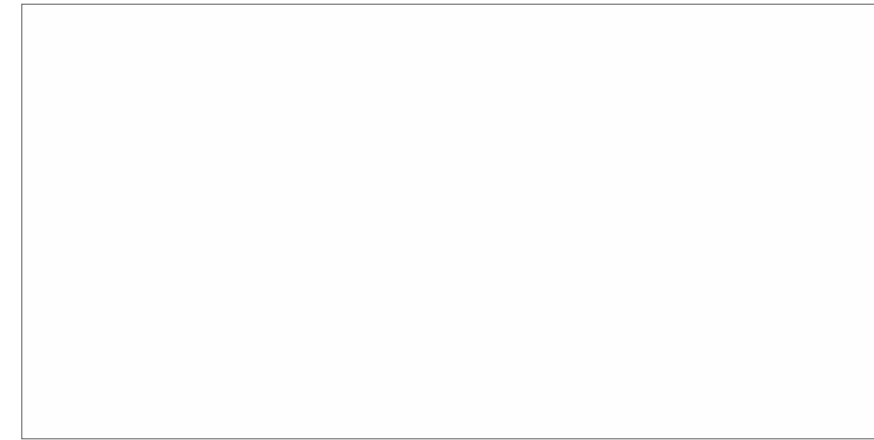
Polished
Matt



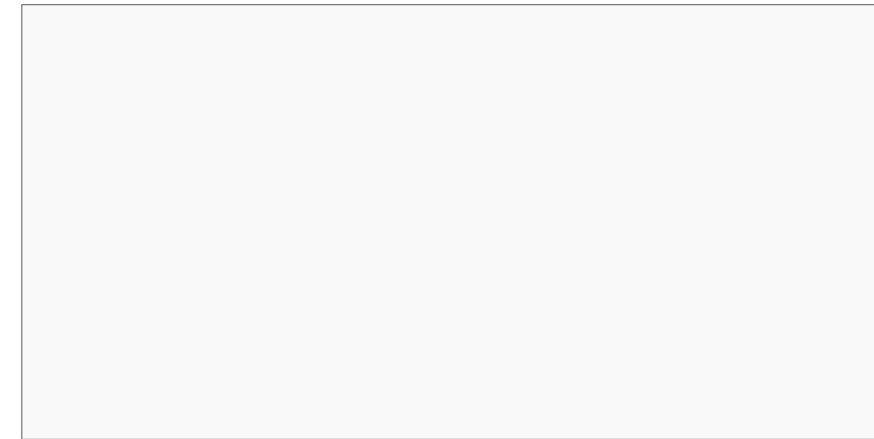
SAVAGE LT GREY

SOLID LOOK SELECTION

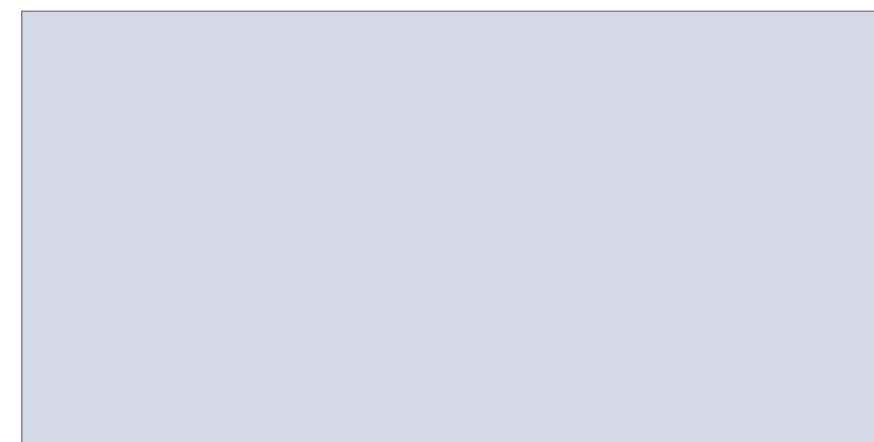
UNGLAZED PORCELAIN



VA SUPER WHITE



VA ALASKA SNOW



VA ROMAN AZUL

Available sizes

Unglazed porcelain
60x120 60x60

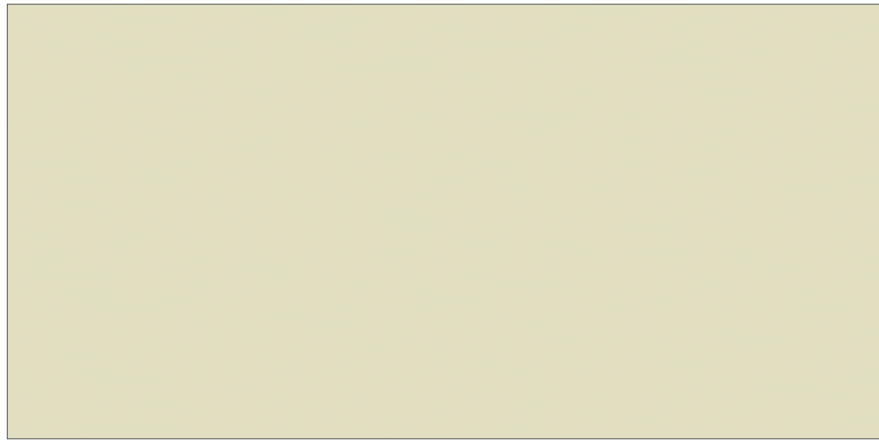
Available Finishes

Polished
Matt



SOLID LOOK SELECTION

UNGLAZED PORCELAIN



VA ROMAN FERN



VA SAVAGE BLACK



VA SAVAGE LT GREY



VA SAVAGE DK GREY

Available sizes

Unglazed porcelain
60x120 60x60

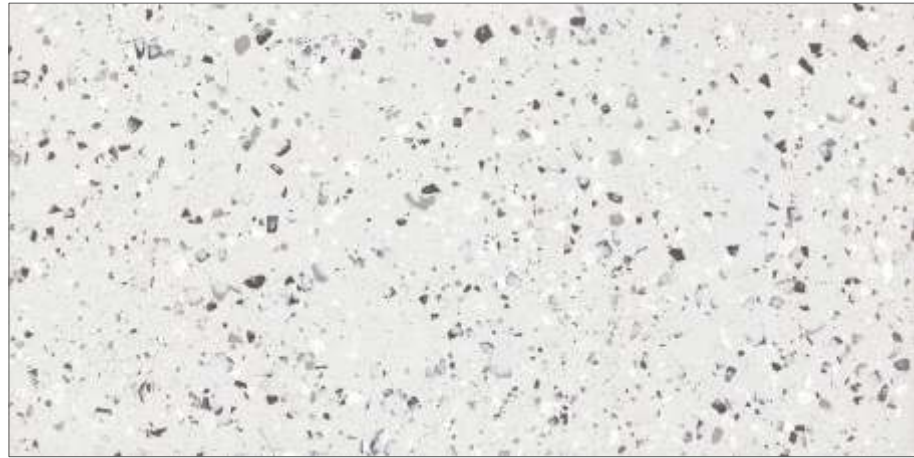
Available Finishes

Polished
Matt

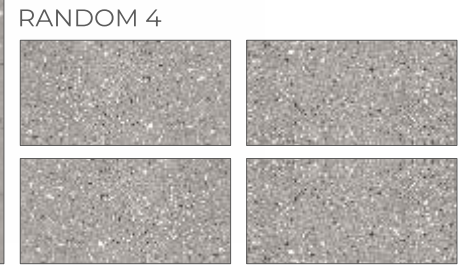
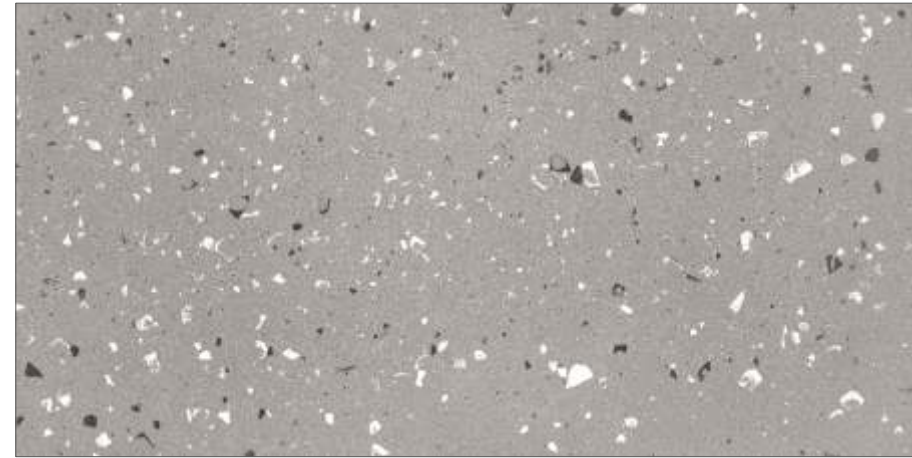


SOLID LOOK SELECTION

UNGLAZED PORCELAIN



VA SILVOR TERAZZO



VA FOSSIL TERAZZO



VA SP BLACK

SOLID LOOK SELECTION

UNGLAZED PORCELAIN

Available sizes

Unglazed porcelain
60x120 60x60

Available Finishes

Polished
Matt

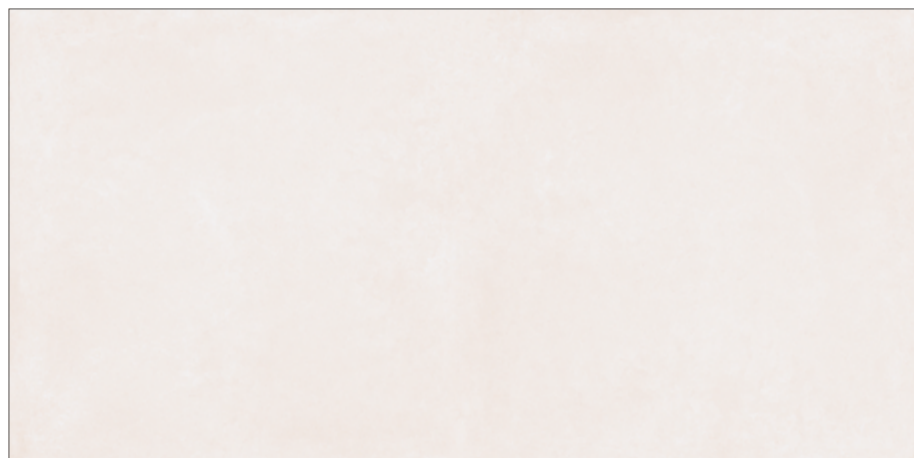




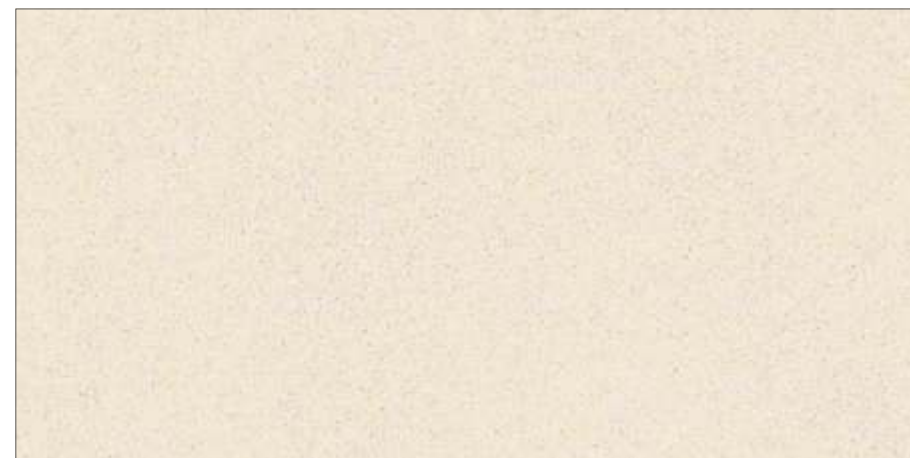
VA SP SNOW



VA CENTURY SAND



VA ONERY CREMA



VA SP IVORY

SOLID LOOK SELECTION

UNGLAZED PORCELAIN

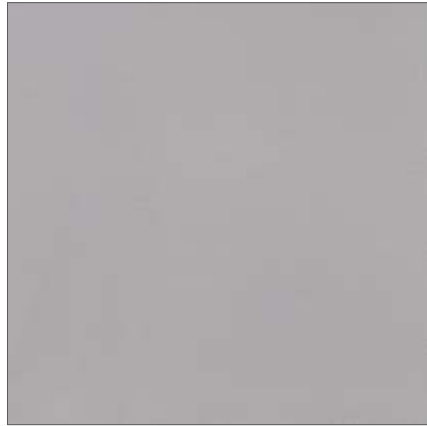
Available sizes

Unglazed porcelain
60x120 60x60

Available Finishes

Polished
Matt

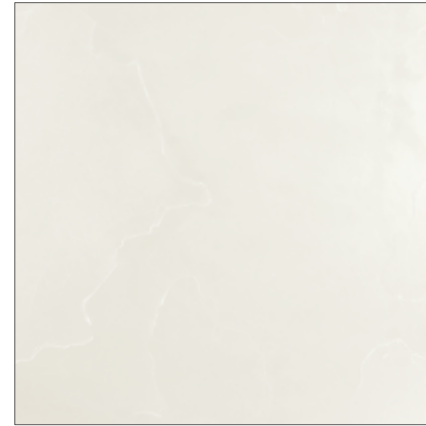




VA KREO GRIS



VA KREO IVORY



VA SLATE BIANCO



VA PLAIN WHITE



VA KORNETO IVORY



VA KORNETO BEIGE



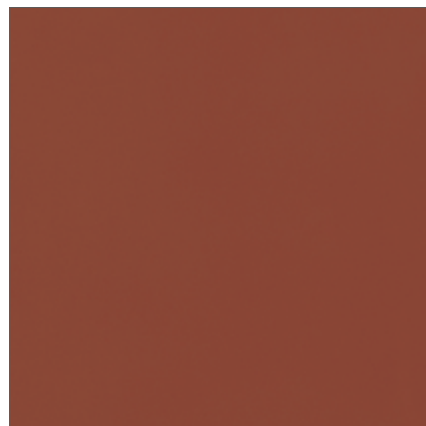
VA PLAIN DONAPAUOLA



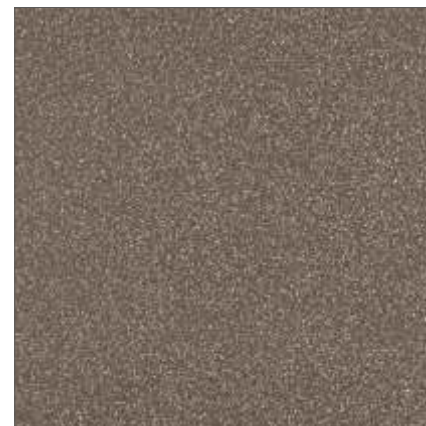
VA RUSTIC GL METALLIC



VA KORNETO GRIS



VA KREO TERRACOTTA



VA PLAIN BENAULIM

Available sizes

Unglazed porcelain
60x60

Available Finishes

Matt
Rustics



SOLID LOOK SELECTION

UNGLAZED PORCELAIN



artella

OUTDOOR/ HI-TRAFFIC SELECTION

GLAZED PORCELAIN | UNGLAZED PORCELAIN

Elevate your outdoor spaces with our outdoor / High-traffic collection, a fusion of craftsmanship and innovation. Unparalleled durability meets refined design, bringing sophistication to high-traffic areas in European landscapes with enduring style





VA MOSAIC GREY - SANDEX



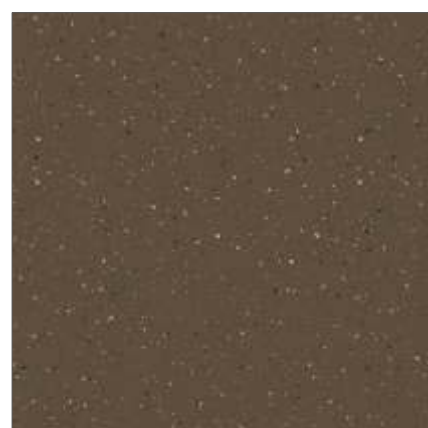
VA MOSAIC NERO - SANDEX



VA MOSAIC DARK GREY - SANDEX



VA MOSAIC BEIGE - SANDEX



VA MOSAIC COFFEE - SANDEX

Available sizes *in cm*

Available Finishes

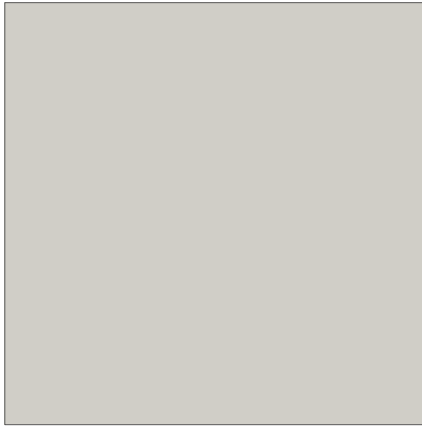
OUTDOOR/HI-TRAFFIC

UNGLAZED PORCELAIN

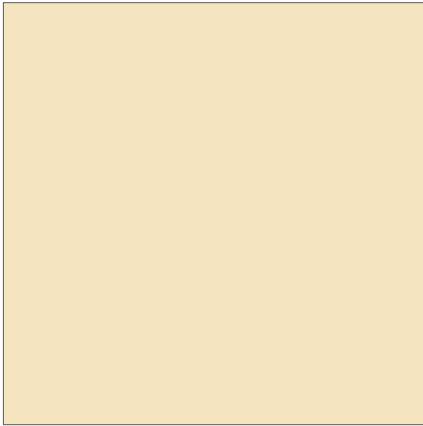
Unglazed porcelain
60x60

Matt

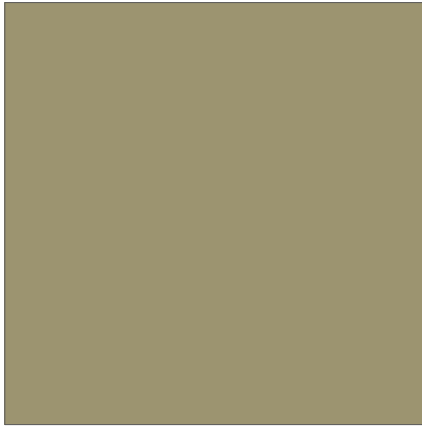




VA COATED
GREY PLUS - HT



VA SUPER
IVORY - HT



VA GREEN - HT*

Available sizes *in cm*

Available Finishes

Unglazed porcelain
60x60

Matt



OUTDOOR/HI-TRAFFIC

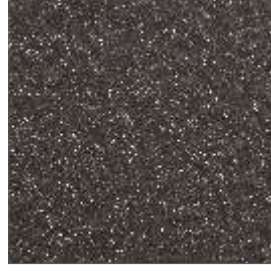
UNGLAZED PORCELAIN



VA SP WHITE
- PAVER



VA SP GREY
- PAVER



VA SP BLACK
- PAVER

SP WHITE - PAVER

Available sizes *in cm*

Available Finishes

Unglazed porcelain
20x20

Matt Punch



OUTDOOR/HI-TRAFFIC

UNGLAZED PORCELAIN



CLAIRE BRICK BEIGE



VA CLAIRE BRICK IVORY

RANDOM 6



VA CLAIRE BRICK BEIGE

RANDOM 6

Available sizes *in cm*

Available Finishes

Glazed porcelain
24x7.5

Matt



CLADDING TILES

GLAZED PORCELAIN CLADDING



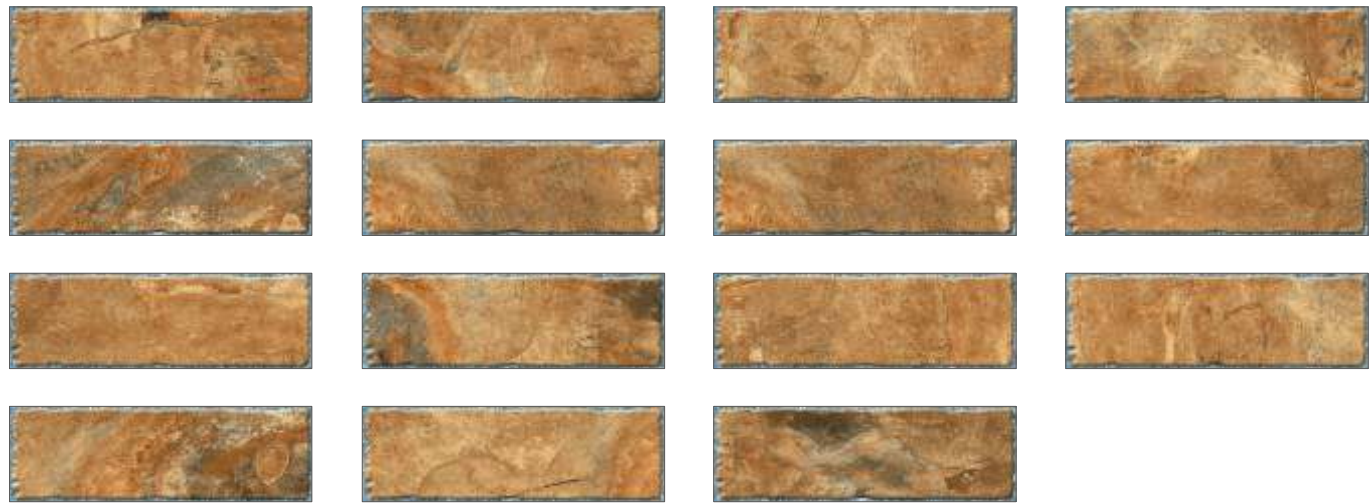
RANDOM 6

VA CLAIRE BRICK CAFÉ



RANDOM 11

VA SLATE ROCK



RANDOM 15

VA OXIDE BRICK



RANDOM 6

VA CLAIRE BRICK NOIR

Available sizes *in cm*

Available Finishes

Glazed porcelain
24x7.5

Matt



CLADDING TILES

GLAZED PORCELAIN CLADDING



VA TRIANGLE GREY 



VA DOTS GREY 



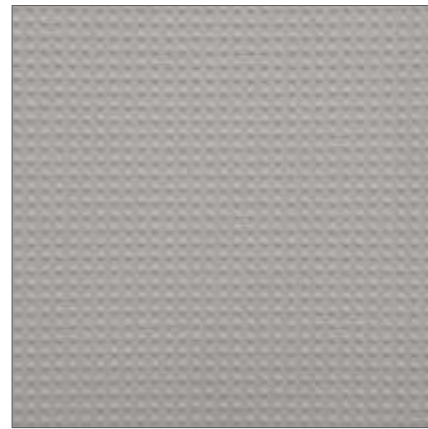
VA TRIANGLE BENALIUM 



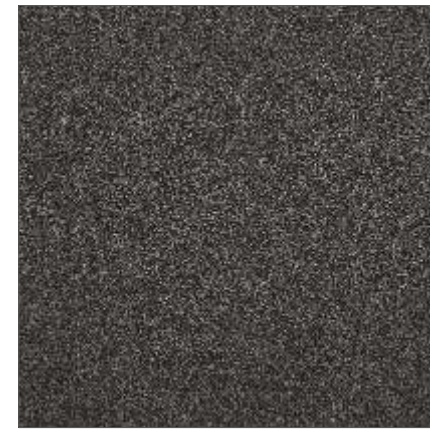
VA DOTS BENALIUM 



VA TRIANGLE BEIGE 



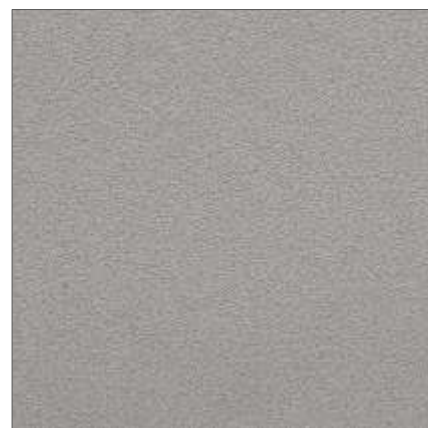
VA DOTS SP GREY 



VA VOLCANO BENALIUM



VA TRIANGLE SP GREY 



VA VOLCANO SP GREY

Available sizes *in cm*

Available Finishes

OUTDOOR/HEAVY DUTY TILES

GLAZED PORCELAIN

Glazed porcelain
60x60 30x30

Matt





VA CLOUD GREY



VA VIVID COOL GREY



VA ALTONA GRIS



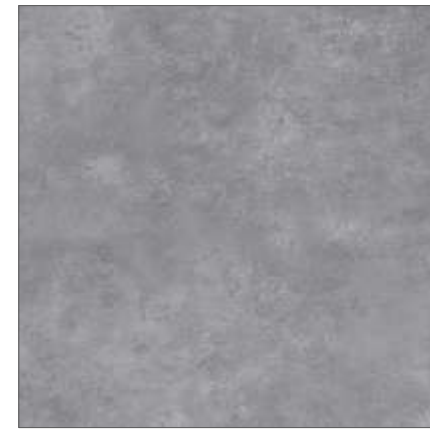
VA ASH GREY



VA AEGIS BEIGE



VA VIVID BURST BEIGE



VA CLOUD NERO



VA DACIA NERO



VA VIVID SPRING



VA TRENTO CREMA

Available sizes *in cm*

Available Finishes

OUTDOOR/HI-TRAFFIC

GLAZED PORCELAIN

Glazed porcelain
60x60 30x30

Matt

R10





VA MAX COTTO



VA MAX STEEL



VA MAX ASH



VA MAX BEIGE



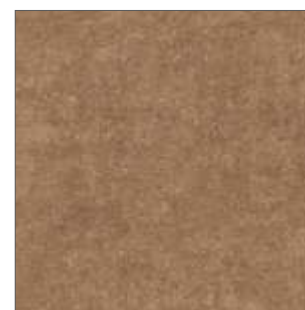
VA MAX COTTO



VA MAX GRIS



VA MAX BRUNO



VA MAX UMBER

Available sizes *in cm*

Available Finishes

Glazed porcelain
60x60 30x30

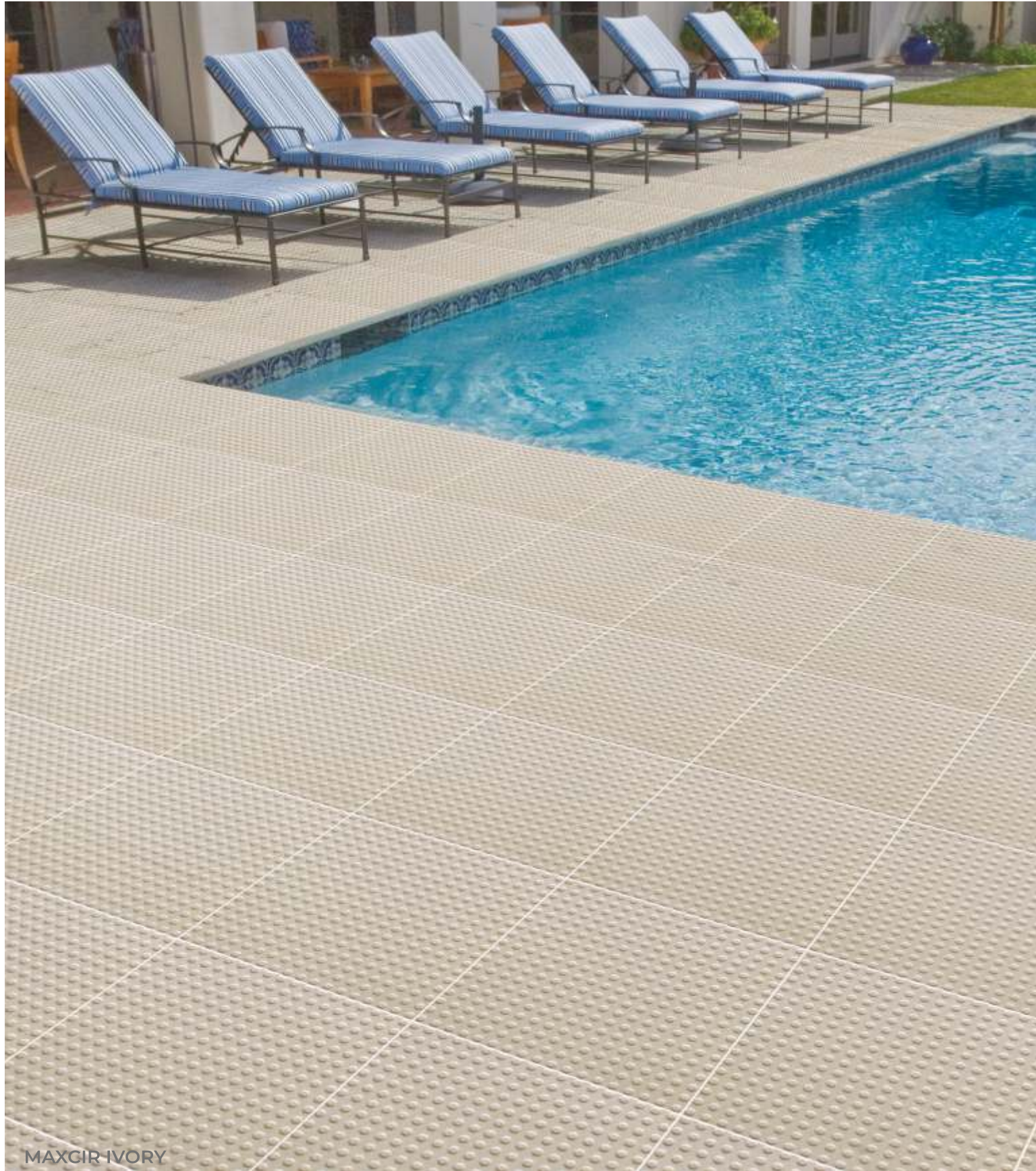
Matt

R12



OUTDOOR/HI-TRAFFIC

GLAZED PORCELAIN



VA MAXTRI
SP WHITE



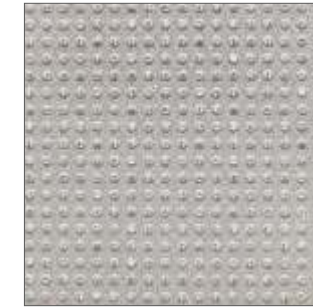
VA MAXCIR
SNP WHITE



VA MAXTRI
IVORY



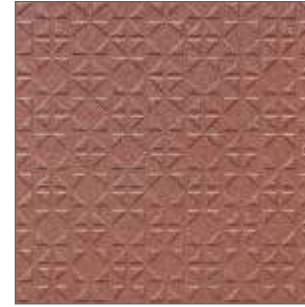
VA MAXCIR
IVORY



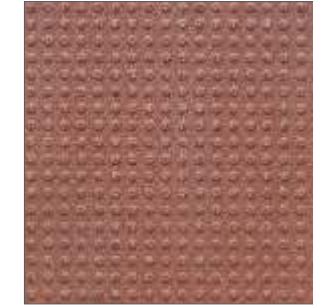
VA MAXCIR
GREY



VA MAX
BRUNO



VA MAXTRI
COTTO



VA MAXCIR
COTTO



VA MAXTRI
SP NOIR



VA MAXCIR
SP NOIR

Available sizes *in cm*

Available Finishes

OUTDOOR/HI-TRAFFIC

UNGLAZED PORCELAIN

Unglazed porcelain
30x30

Matt Textured



R11





WALL TILES SELECTION

CERAMIC

Transform your walls with our ceramic wall tile collection, a testament to craftsmanship and innovation. Impeccably designed, these tiles embody sophistication, creating an artful tapestry for vivacious interiors with timeless allure.



artella

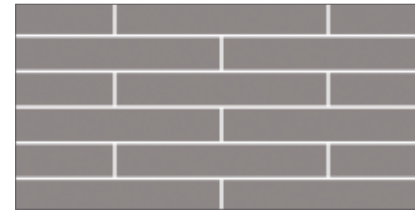


FAINER

WALL TILES

CERAMIC

WALL



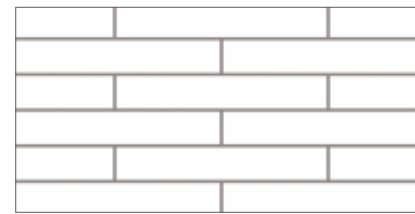
VA MABLE HL 1



VA QUEST LT



VA FAINER LT



VA MABLE HL 2



VA QUEST HL



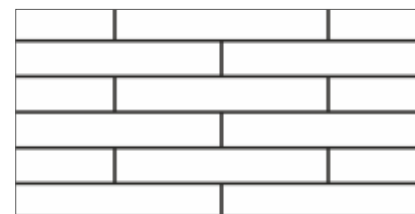
VA FAINERHL 1 (Tapestry)



VA MABLE HL 3



VA FAINER HL 2



VA MABLE HL 4



VA FAINER DK

FLOOR



VA QUEST



VA FAINER DK

Available sizes *in cm*

Ceramic

30x60- Glossy & Matt

30x30- Matt
Coordinate floor tile

Random Phases are available

WALL



VA MIRANDA LT



VA PAGET LT



VA FAINER LT



VA MIRANDA HL



VA PAGET HL



VA FAINER HL



VA MIRANDA DK



VA FAINER DK

WALL



VA FIEST LT



VA EMPRADOR LT



VA LANFOR LT



VA FIEST HL



VA EMPRADOR HL



VA LANFOR HL



VA FIEST DK



VA EMPRADOR DK



VA LANFOR DK

FLOOR



VA FAINER

FLOOR



VA FIEST



VA EMPRADOR



VA LANFOR

Available sizes *in cm*

Ceramic
 30x60- Glossy & Matt
 30x30- Matt
 Coordinate floor tile

Random Phases are available

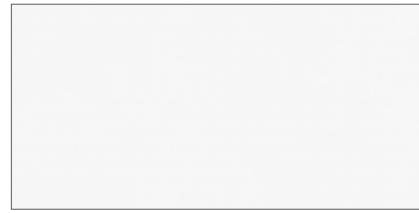
WALL TILES

CERAMIC

WALL



VA LEONG LT



VA SUNBRIGHT LT



VA SAFARI LT



VA LEONG HL



VA SUNBRIGHT
HL1



VA SAFARI HI1



VA SUNBRIGHT
HL2

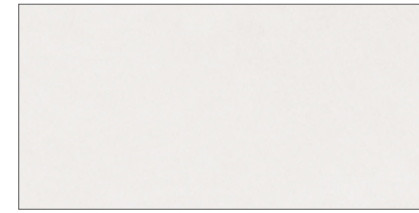


VA SAFARI HI2

WALL



VA EUREKA HL



VA HOUSTON LT



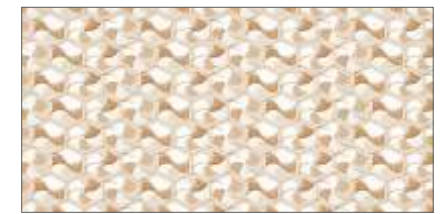
VA GLORIOUS LT



VA EUREKA HL



VA HOUSTON HL



VA GLORIOUS HL



VA EUREKA DK

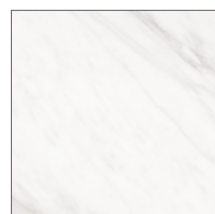


VA HOUSTON DK

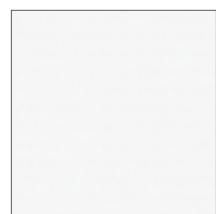


VA GLORIOUS DK

FLOOR



VA LEONG



VA SUNBRIGHT



VA SAFARI

FLOOR



VA QUEST



VA FAINER



VA FAINER

WALL TILES

CERAMIC

Available sizes *in cm*

Ceramic

30x60- Glossy & Matt

30x30- Matt

Coordinate floor tile

Random Phases are available



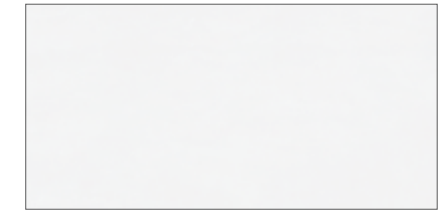
WALL



VA BANTER LT



VA CREEN LT



VA ELLIF LT



VA BANTER HL



VA CREEN HL



VA ELLIF HL
(Tapestry)



VA BANTER DK



VA CREEN DK



VA ELLIF DK

FLOOR



VA BANTER



VA CREEN



VA ELLIF

Available sizes *in cm*

Ceramic

30x60- Glossy & Matt

30x30- Matt

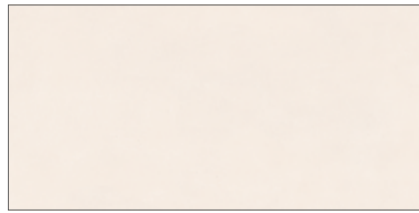
Coordinate floor tile

Random Phases are available

WALL TILES

CERAMIC

WALL



VA SARTIN LT



VA EVERIX LT



VA VINTEN DK



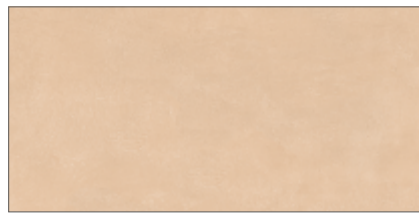
VA SARTIN HL



VA EVERIX HL (Tapestry)



VA VINTEN HL



VA SARTIN DK



VA EVERIX DK

FLOOR



VA SARTIN



VA EVERIX



VA VINTEN

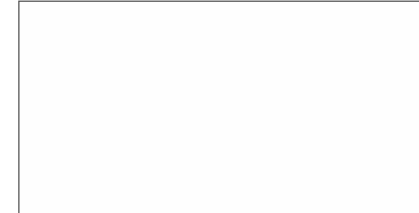
WALL TILES

CERAMIC

WALL



VA ILIOUS LT



VA SATIN WHITE



VA SLEEK BEIGE



VA ILIOUS HL1



VA WADDON HL



VA RIZZUL GREY



VA ILIOUS HL2



VA SLEEK GREY



VA ILIOUS DK

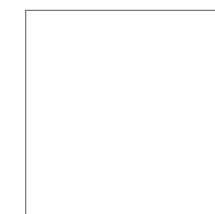


VA SLEEK NERO

FLOOR



VA QUEST

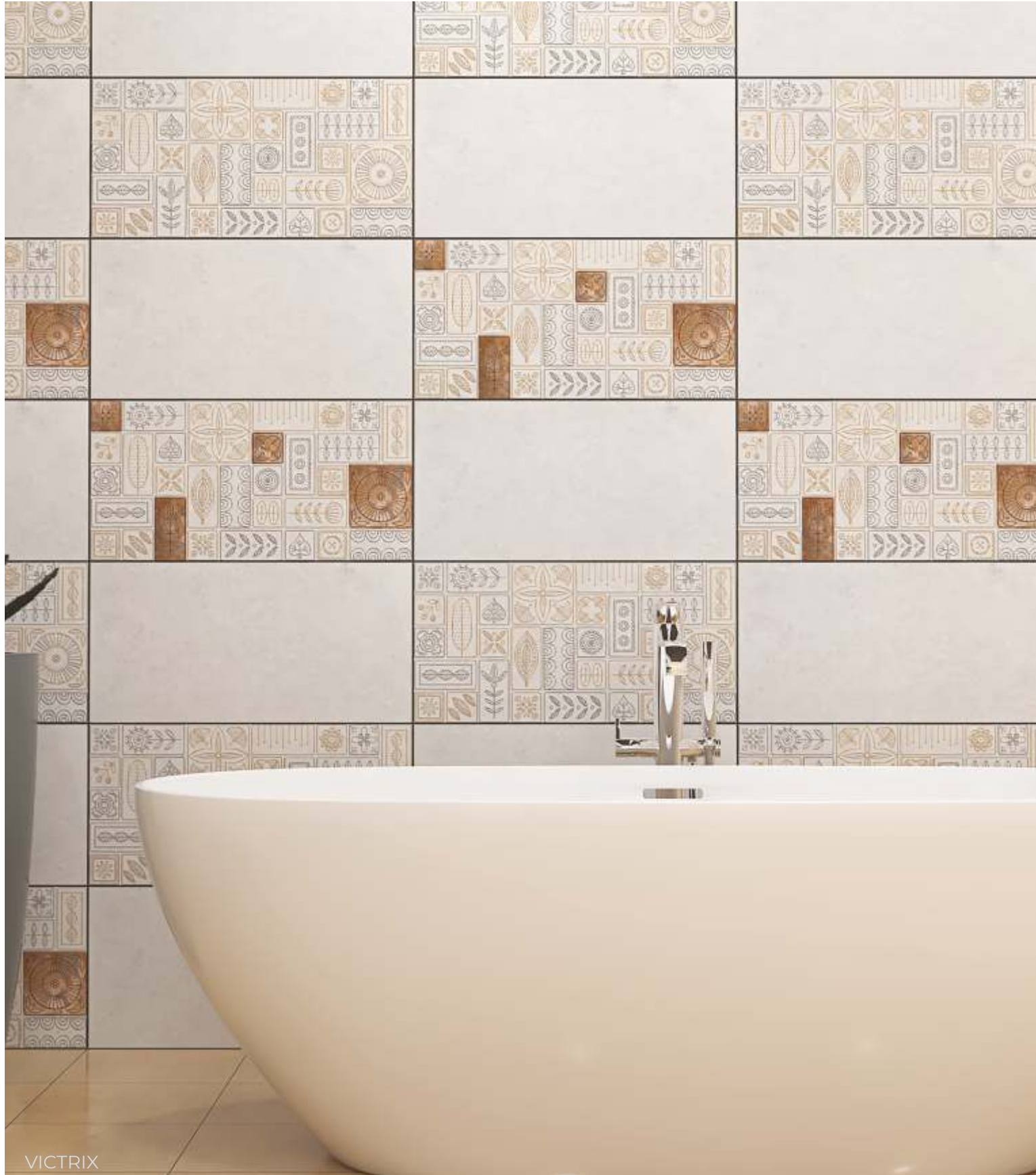


VA FAINER

Available sizes *in cm*

Ceramic
30x60- Glossy & Matt
30x30- Matt
Coordinate floor tile

Random Phases are available



VICTRIX

WALL TILES

CERAMIC

WALL



VA VICTRIX LT



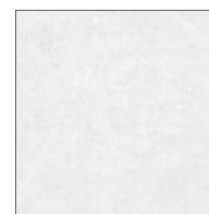
VA VICTRIX HL1



VA VICTRIX HL2



FLOOR



VA VICTRIX

Available sizes *in cm*

Ceramic

30x60- Glossy & Matt

30x30- Matt

Coordinate floor tile

Random Phases are available

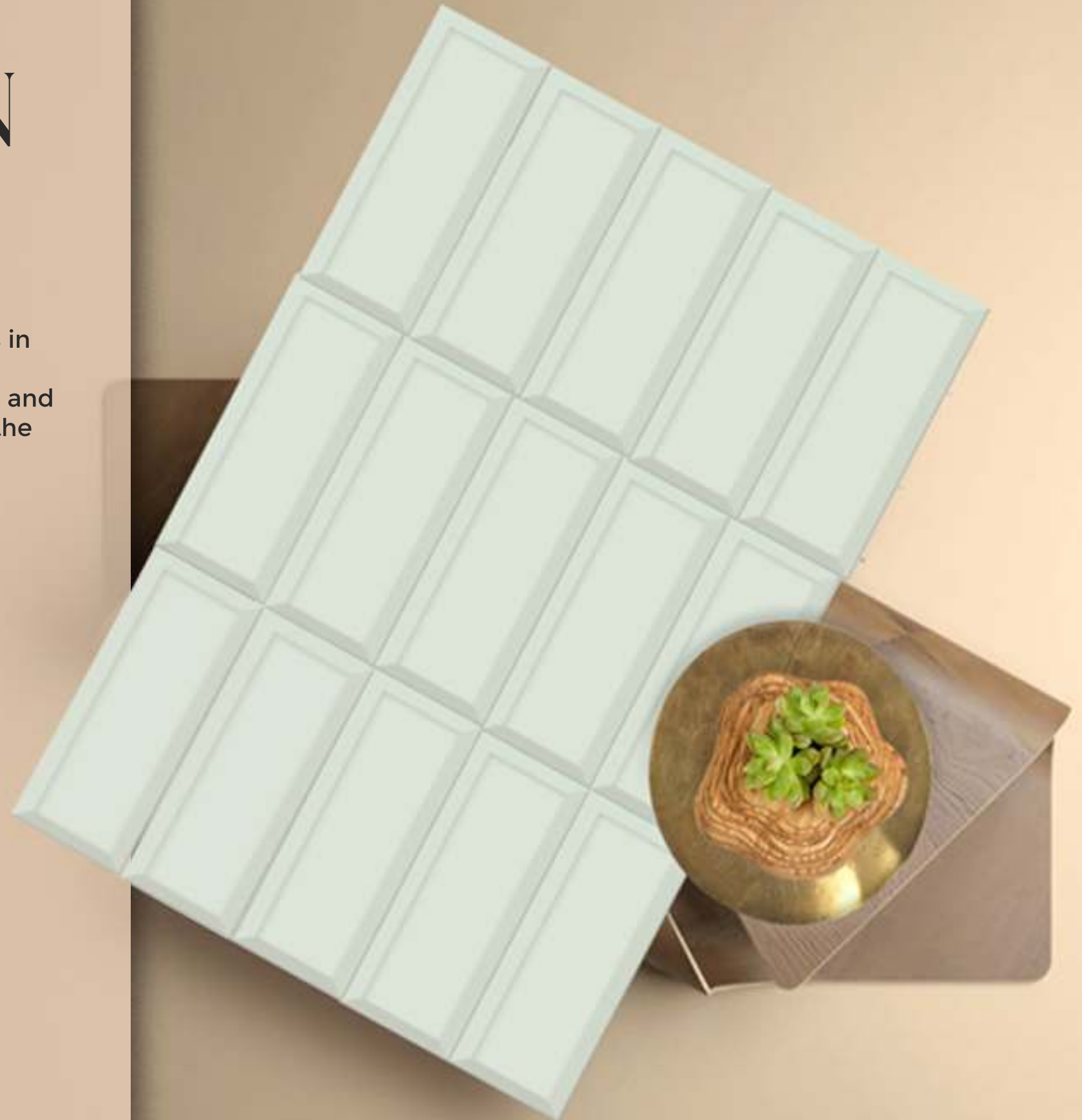


artella

SUBWAY SELECTION

CERAMIC

Revitalize your interiors with our subway ceramics, a fusion of craftsmanship and modern innovation. Immerse your spaces in a classic charm for contemporary living. This collection epitomizes timeless style and durability, delivering sophistication with the perfect blend of technology and artistry.





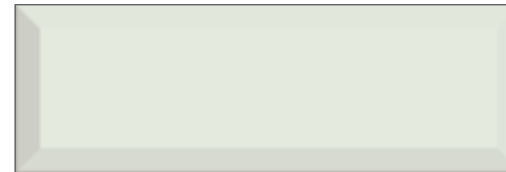
FOG GREY



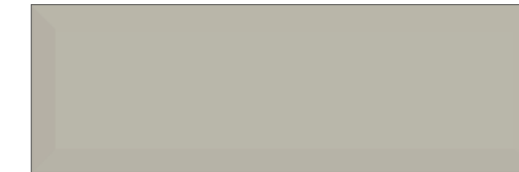
VA MINT PLAIN



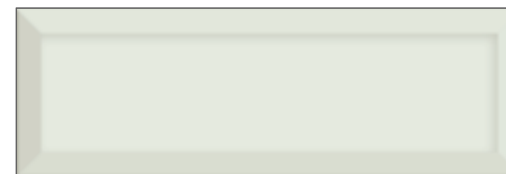
VA OAT MEAL PLAIN



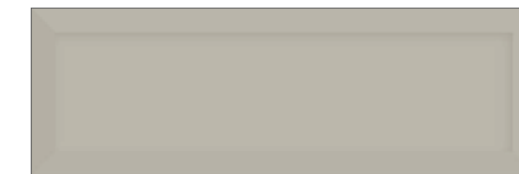
VA MINT BEVEL



VA OAT MEAL BEVEL



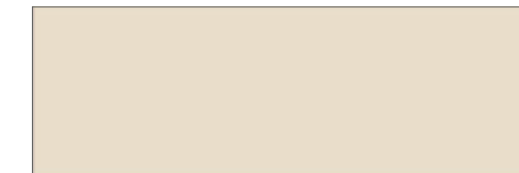
VA MINT FRAME



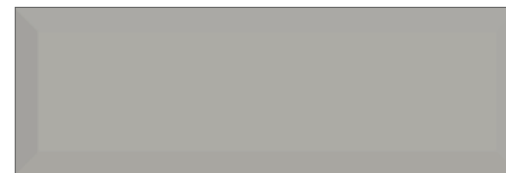
VA OAT MEAL FRAME



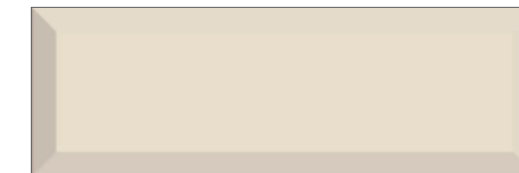
VA GRIS PLAIN



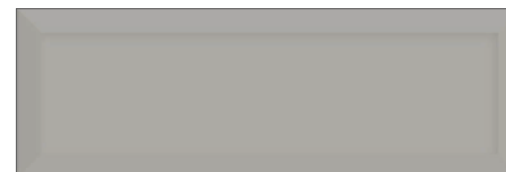
VA IVORY PLAIN



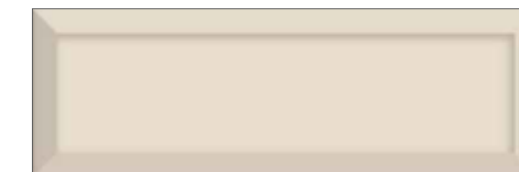
VA GRIS BEVEL



VA IVORY BEVEL



VA GRIS FRAME



VA IVORY FRAME

Available sizes *in cm*

Available Finishes

Ceramic

Matt
Glossy

10x40 10x30 10x20
7.5x15

SUBWAY SELECTION

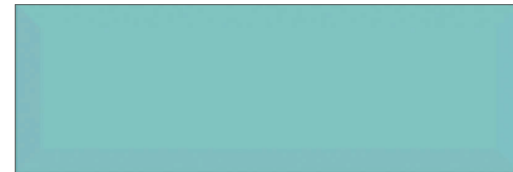
CERAMIC



AQUA



VA AQUA PLAIN



VA AQUA BEVEL



VA AQUA FRAME



VA WHITE PLAIN



VA WHITE BEVEL



VA WHITE FRAME



VA FOG GREY PLAIN



VA FOG GREY BEVEL



VA FOG GREY FRAME



VA BLACK PLAIN



VA BLACK BEVEL



VA BLACK FRAME

Available sizes *in cm*

Available Finishes

Ceramic

Matt
Glossy

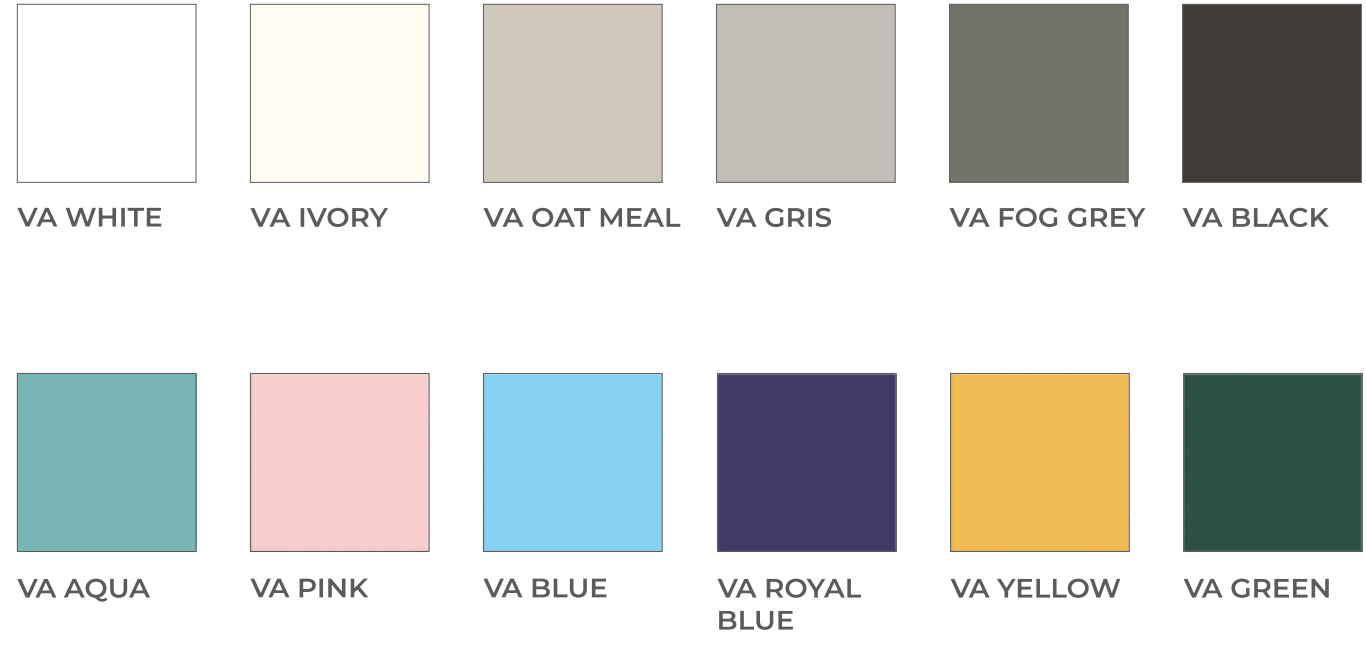
10x40 10x30 10x20
7.5x15

SUBWAY SELECTION

CERAMIC



YELLOW



VA WHITE VA IVORY VA OAT MEAL VA GRIS VA FOG GREY VA BLACK

VA AQUA VA PINK VA BLUE VA ROYAL BLUE VA YELLOW VA GREEN

SUBWAY SELECTION

CERAMIC

Available sizes *in cm*

Ceramic
10.8x10.8

Available Finishes

Matt
Glossy



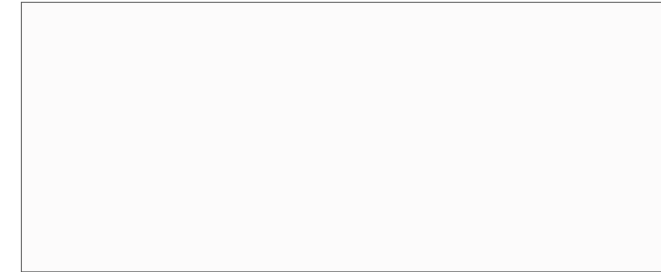
ENGINEERED MARBLE

**ENGINEERED MARBLE
ENGINEERED QUARTZ**

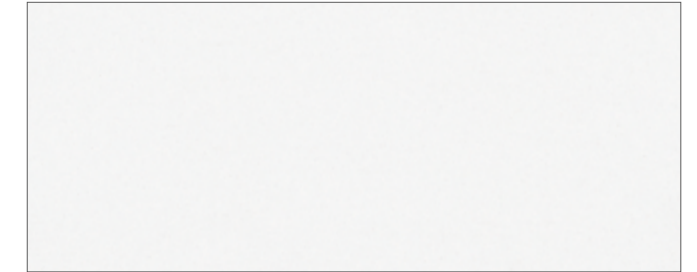
Crafted with precision, our engineered surfaces redefine sophistication. Discover how innovation meets artistry, offering a luxurious touch to European aesthetics.

The 'artella' logo in a lowercase, serif font, positioned in the bottom right corner of the image. The background of the entire page is a collage of various tile samples, including a terrazzo tile with colorful speckles, a dark textured tile, and a light-colored tile with a subtle pattern. There are also some green and yellow plants in the bottom left corner and some grey leaves in the top left corner.

artella



VA ELEGANCE ALASKA *



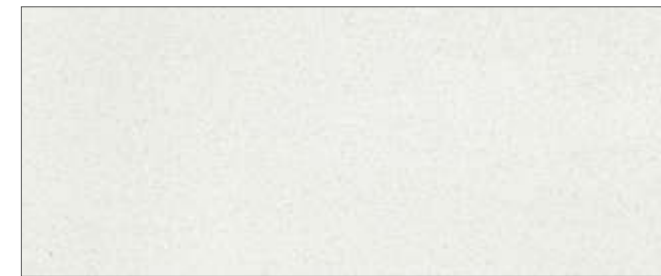
VA BIANCO ALTHEA *



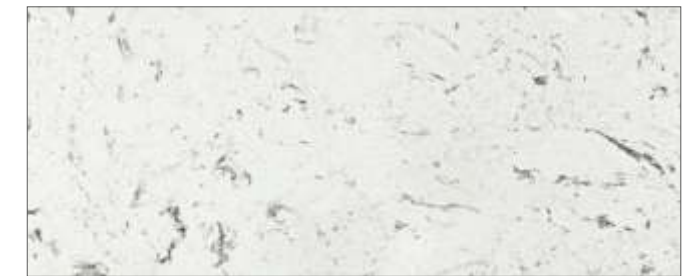
VA NILE *



VA SNOW FLAKES PLUS *



VA REGAL WHITE *



VA RIO WHITE *



VA LIGHT EMPREDOR *



VA ELEGANCE POLARIS *

Available sizes *in cm*

Engineered Quartz

304x122.5 cm
30x120 cm*

Available Finishes

Polished



ENGINEERED SELECTION

ENGINEERED MARBLE & QUARTZ



VA ARIZONA *



VA GREY WILLIAM *



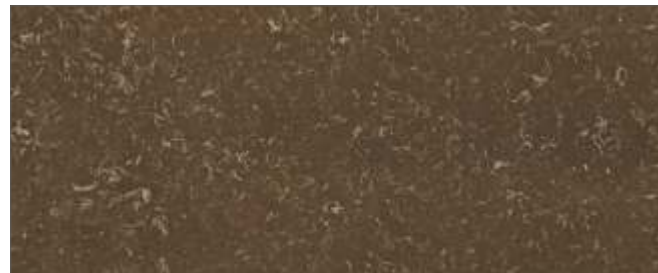
VA GINGER TAN #



VA ZODIAC LIGHT BROWN #



VA ATLANTA *



VA FRENCH BROWN *



VA STELLAR GREY #



VA ZODIAC GREY #



VA KROMA SANDSTONE #



VA ICED WHITE #



VA ZODIAC BLACK #



VA JET BLACK #



VA ZODIAC CASTA MAPLE #



VA KROMA SANDSTONE #

Available sizes *in cm*

Available Finishes

Engineered Quartz

Polished



304x122.5 cm
320x160 cm#
30x120 cm*

ENGINEERED SELECTION

ENGINEERED MARBLE & QUARTZ

TECHNICAL SPECIFICATIONS

Glazed Porcelain

S. No	Property	International Standard ISO 13006 / EN 14411 Group Bla Requirement	Indian Standard IS 15622:2017 Group Bla Requirement	Glazed Porcelain Value (Matt)	Glazed Porcelain Value (Polished)	Test Method
	Dimensions & Surface Quality	whichever is less applicable. Rectified edge	Rectified edge			
1	Deviation in Length & Width	± 0.3% or ±1.0mm	± 0.1 %	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ± 0.5mm	± 5 %	± 4%	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ± 1.5mm	± 0.1 %	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness	± 0.4% or ±1.8mm	± 0.5 %	± 0.2%	± 0.2%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	>95% free from visible defects	>95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property					
7	Water Absorption	< 0.5% individual Max 0.6%.	Average ≤0.08%, Individual 0.1%, Max	< 0.05%	< 0.05%	ISO 10545-3/ IS 13630-2
8	Modulus of Rupture	> 35 N/mm2 Individual 32N/mm2, Min	Average 35 N/mm2 Individual 32N/mm2, Min	> 38 N/mm2	> 38 N/mm2	ISO 10545-4/ IS 13630-6
9	Breaking Strength	700 N Min for thickness < 7.5 mm, 1300 Min for thickness ≥ 7.5 mm	700 N Min for thickness <7.5 mm, 1300 Min for thickness >7.5 mm	> 1500 N	> 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	Report value	0.02 mm/m, Max	< 0.02 mm/m	< 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	Not Required	5, Min	> 6 (Matt surface)	> 5 (Polished surface)	IS 13630 -13
12	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	report abrasion class & Cycle passed	Class II , Min	PEI III-V	PEI II- III	ISO 10545-7 /IS 13630 -11
13	Coefficient of Linear Thermal Expansion	Report value	Max, 6 x 10-6 K-1	< 6 x 10-6 K-1	< 6 x 10-6 K-1	ISO 10545-8/ IS 13630-4
14	Thermal Shock Resistance	Report result	10 cycles Min	No Damage	No damage	ISO 10545-9 / IS 13630 -5
15	Crazing Resistance of Glazed Tiles	Report result	4 cycles @7.5 bar Min	No Damage	No Damage	ISO 10545-11/ IS 13630-9
16	Impact Resistance	Report value	0.55, Min	> 0.55	> 0.55	ISO 10545-5 / IS 13630-14
17	Slip Resistance for Floor Application	Report value	Manufacturer to declare	> 0.45	> 0.4	ANSI B101.3
18	Frost Resistance	Report result	Required if requested by purchaser	No damage	No Damage	ISO 10545-12 / IS 13630-10
19	Bulk Density (g/cc)	Report value	2.2, Min	> 2.2	> 2.2	ASTM C373-16 / IS 13630-2
20	Color Resistance to UV light	Report result	-	No change in color	No change in color	DIN 51094
21	Chemical Property (cleansers except to cleansing agents containing Hydrofluoric acids and its compounds)					
a	Resistance to Staining - Glazed Tiles	Min Class 3	Class I, Min	Class 3 (ISO) / Class 1(BIS)	Class 3 (ISO) / Class 1(BIS)	ISO 10545-14 / IS 13630-8
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Glazed tiles	GB	AA Min	GA/AA	GA/AA	ISO 10545-13 / IS 13630-8
c	Resistance to acids and alkalis (glazed Tiles)	Report resistance class	Report resistance class	GA	GA	ISO 10545-13 /IS 13630 -8
22	Lead & Cadmium Release- for Glazed Tiles, where required	Report value	-	Nil	Nil	ISO 10545-15

* ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile
Please inspect all tiles prior to installation, company will not entertain any complaints once tiles are laid / fixed

TECHNICAL SPECIFICATIONS

Full Body-Porcelain

S. No	Property	ISO 13006 :2018 / EN 14411 Group Bla Requirement	Indian Standard IS 15622:2017 Group Bla, Requirement	Full Body Value	Test Method
i)	Dimensions & Surface Quality	Whichever is less	Rectified edge		
1	Deviation in Length & Width	± 0.3% or ±2.0mm	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ± 0.5mm	± 5%	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness (Center Curvature, Edge Curvature & Warpage)	± 0.4% or ± 1.8mm	± 0.5%	± 0.15%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	>95% free from visible defects	ISO 10545-2 / IS 13630-1
ii)	Physical Property				
7	Water Absorption	> 0.5%	Average > 0.08%, Individual Max 0.1%	< 0.05%	ISO 10545-3 / IS 13630-2
8	Modulus of Rupture	> 35 N/mm2	Average 35 N/mm2, Individual 32 N/mm2, Min	> 38 N/mm2	ISO 10545-4 / IS 13630-6
9	Breaking Strength	> 1300 N	Min 1300 N	> 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	Report value	0.02 mm/m, Max	< 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	Not Required	5, Min	> 5	IS 13630 -13
12	Coefficient of Linear Thermal Expansion	Report value	Max, 9 x 10-6 K-1	< 9 x 10-6 K-1	ISO 10545-8 / IS 13630-4
13	Thermal Shock Resistance	Report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630-5
14	Impact Resistance	Report value	0.55, Min	> 0.55	ISO 10545-5 / IS 13630-14
15	Slip Resistance for Floor Application	Report value	Manufacturer to declare	> 0.4	ANSI B101.3
16	Frost Resistance	Report result	Required if requested by purchaser	No Damage	ISO 10545-12 / IS 13630-10
17	Resistance to Deep Abrasion of Unglazed Tiles	< 175 mm3	Max 140 mm3	< 140 mm3	ISO 10545-6 / IS 13630-12
18	Bulk Density (g/cc)	Report value	2.2, Min	> 2.2	ISO 10545-3 / IS 13630-2
19	Color Resistance to UV light	Report result	-	No change in color	DIN 51094
20	Chemical Property (Cleansers except to cleansing agents containing Hydrofluoric acids and its compounds)				
a	Resistance to Staining - Unglazed Tiles	Report resistance class	Class 2, Min	Class 3, (ISO) / Class 2 (BIS)	ISO 10545-14 / IS 13630-7
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Unglazed tiles	UB	Report resistance class	UA	ISO 10545-13 / IS 13630-7
c	Resistance to acids and alkalis (Unglazed Tiles)	Report resistance class	Report resistance class	UA	ISO 10545-13 / IS 13630-7

* ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile
Please inspect all tiles prior to installation, company will not entertain any complaints once tiles are laid/ fixed

TECHNICAL SPECIFICATIONS

Hi-Traffic Sandex Series

S. No.	Property	I.S. 15622:2017 Group B1a Requirement	Hi-Traffic Sandex Series	Test Method
A) Dimensions & Surface Quality				
1	Deviation in Length & Width	± 0.1 %	± 0.1 %	IS 13630-1
2	Deviation in Thickness	± 5 %	± 4 %	
3	Straightness of Sides	± 0.1 %	± 0.1 %	
4	Rectangularity	± 0.1 %	± 0.1 %	
5	Surface Flatness	± 0.5 %	± 0.2 %	
6	Surface Quality	Min 95% free from visible defects	>95% free from visible defects	
B) Physical Property				
1	Water Absorption	Average <0.08, Individual 0.1%, Max	≤0.05%	IS 13630-2
2	Modulus of Rupture	Average 35N/mm ² , Individual 32N/mm ² , Min	≥38 N/mm ²	IS 13630-6
3	Breaking Strength	1300N Min for thickness ≥ 7.5 mm	≥2000 N	
4	Moisture Expansion	0.02 mm/m, Max	≤0.02 mm/m	IS 13630-3
5	Scratch Hardness of Surface (Moh's scale)	5, Min	≥7	IS 13630 -13
6	Deep Abrasion Resistance (Unglazed tile)	<140mm ³	<120 mm ³	IS 13630-12
7	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	Class II, Min	PEI III-IV	IS 13630 -11
8	Impact Resistance	0.55, Min	≥0.55	IS 13630-14
10	# Skid Resistance			
	a) Skid Resistance - Ramp Test	Manufacturer to declare	>R9	DIN 51130
	b) Coefficient of Friction	Manufacturer to declare	>0.42	ISO 10545 -17 /ANSI A 326.3
11	Frost Resistance	Required if requested by purchaser	No damage	IS 13630-10
12	Bulk Density (g/cc)	2.2, Min	≥2.2	ASTM C373-16 / IS 13630-2
13	Color Resistance to UV Light	-	No change in color	DIN 51094
C) Chemical Properties				
1	Resistance to Concentrated HNO ₃ & H ₂ SO ₄ Acid (wt. Loss)	<1.5 %	<0.8 %	IS 4457:2007 Annex G
	Resistance to Chemicals			IS 13630 -8/7
2	a) Resistance to Low concentrations of acids & alkalies	Manufacturer to declare	AA/UHA	
	b) Resistance to High concentrations of acids & alkalies	Manufacturer to declare	AA/UHA	
	c) Resistance to household chemicals and swimming pool salts	AA min	AA min	
3	Stain Resistance	Glazed tile- Class 1 min, Unglazed tile -Class 2 min	Glazed tile- Class 1 min, Unglazed tile -Class 2 min	IS 13630 -8/7
D) Thermal Properties				
1	Coefficient of Linear Thermal Expansion	Max, 6 x 10 ⁻⁶ K ⁻¹	≤6 x 10 ⁻⁶ K ⁻¹	IS 13630-4
2	Thermal Shock Resistance	10 cycles Min	No Damage	IS 13630 -5

Ramp Test: Suitable for all kind of surfaces (Plain, structural..etc)

Slider (BOT -3000E Digital Tribometer): Suitable for plain / smooth surface and not working for structural / profiled surface

TECHNICAL SPECIFICATIONS

Hi-Traffic & Industrial Tiles

S. No.	Test Description	I.S.- 4457:2007	IS - 15622:2017 Group B1b	Hi-Traffic Colours Series	Test Method
A) Dimension Quality					
				30X30X1.0 CM	
1	Deviation in Length & Width (Rectified)	±0.5%	±0.1%	±0.1%	IS 4457:2007 Annex B / IS 13630-1
2	Deviation in Thickness	±5%	±5%	±4%	
3	Straightness of Sides (Rectified)	±0.2%	±0.1%	±0.1%	
4	Rectangularity (Rectified)	±0.2%	±0.1%	±0.1%	
5	Surface Flatness	±0.3%	±0.5%	±0.3%	
6	Surface Quality	Min 95%	Min 95%	Min 95%	
B) Physical Properties					
1	Water Absorption	<0.5%	0.08<E≤3	<0.5%	IS 13630-2
2	a) Scratch hardness of surface (Moh's scale) - Unglazed tile	-	≥5	>7	IS 13630 part 13
	b) Scratch hardness of surface (Moh's scale) - Glazed tile	-	≥5	≥6	
3	Flexural Strength (Average MOR)	>35N/mm ²	>30N/mm ²	>35N/mm ²	IS 13630 - 6
4	Breaking Strength	≥1300N	≥1100N	>1800 N	IS 13630 - 6
5	Impact Resistance	Manufacturer to declare	≥0.55	≥0.55	IS 13630 -14
6	Deep Abrasion resistance (Unglazed tile)	<175mm ³	<175mm ³	<120 mm ³	IS 13630 -12
7	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	-	Class II, Min	Min PEI IV - V	IS 13630 - 11
	# Skid Resistance				
8	a) Skid Resistance - Ramp Test	-	-	>R9	DIN 51130
	b) Coefficient of Friction	-	-	>0.42	ISO 10545 -17 / ANSI A 326.3
9	Frost Resistance	-	Manufacturer to declare	No damage	IS 13630 -10
10	Density (gm/cc)	-	≥2	>2.2	IS 13630 part 2
11	Moisture Expansion	Manufacturer to declare	-	≤0.3 mm/m	IS 13630-part 3
12	Color Resistance to UV Light	-	-	No change in color	DIN 51094
C) Chemical Properties					
1	Resistance to Concentrated HNO ₃ & H ₂ SO ₄ Acid (wt. Loss)	<1.5 %	-	<0.8%	IS 4457:2007 Annex G
	Resistance to Chemicals				ISO 10545-13
2	a) Resistance to Low concentrations of acids & alkalies	Manufacturer to declare	Manufacturer to declare	ULA/GLA	
	b) Resistance to High concentrations of acids & alkalies	Manufacturer to declare	Manufacturer to declare	UHA/GHA	
	c) Resistance to household chemicals and swimming pool salts	Manufacturer to declare	AA min	AA min	
3	Stain Resistance	-	Class 1 min	Class 1 min	IS 13630 part 8
D) Thermal Properties					
1	Linear Thermal Expansion	-	<7 x10 ⁻⁶ K ⁻¹	<7 x10 ⁻⁶ K ⁻¹	IS 13630 part 4 / ISO 10545-8
2	Thermal Shock Resistance	-	10 cycle, Min	No damage	IS 13630 part 5 / ISO 10545-9

Ramp Test: Suitable for all kind of surfaces (Plain, structural..etc)

Slider (BOT -3000E Digital Tribometer): Suitable for plain / smooth surface and not working for structural / profiled surface

TECHNICAL SPECIFICATIONS

Industrial Tiles

S. No.	Test Description	Industrial Tile					Test Method	
		I.S. - 4457:2007	20X10CM (UR)	IS - 15622:2017 Group B1b	30X30 CM (R)			
A) Dimension Quality			2.0cm		1.2cm	1.5cm	2.0cm	IS 4457:2007 Annex B / IS 13630-1
1	Deviation in Length & Width	±0.75%	±0.6%	±0.1%	±0.1%	±0.1%	±0.1%	
2	Deviation in Thickness	±5%	±4%	±5%	±4%	±4%	±4%	
3	Straightness of Sides	±0.5%	±0.5%	±0.1%	±0.1%	±0.1%	±0.1%	
4	Rectangularity	±0.6%	±0.6%	±0.1%	±0.1%	±0.1%	±0.1%	
5	Surface Flatness	±0.5%	±0.4%	±0.5%	±0.3%	±0.3%	±0.3%	
6	Surface Quality	Min 95%	Min 95%	Min 95%	Min 95%	Min 95%	Min 95%	
B) Physical Properties								
1	Water Absorption	<0.5%	<0.5%	0.08<E≤3	<0.5%	<0.5%	<0.5%	IS 4457:2007 Annex C / IS 13630-2
2	a) Scratch hardness of surface (Moh's scale) - Unglazed tile	-	>7	>5	>7	>7	≥7	IS 13630 part 13
	b) Scratch hardness of surface (Moh's scale) - Glazed tile	-	>6	≥5	≥6	≥6	≥6	
3	Flexural Strength (Average MOR)	>35N/mm ²	>38 N/mm ²	>30N/mm ²	>38 N/mm ²	>38 N/mm ²	>38 N/mm ²	IS 4457:2007 Annex D / IS 13630-6
4	Breaking Strength	≥1300N	>8000N	≥1100N	>3000N	>5500N	>8000N	IS 4457:2007 Annex D / IS 13630-6
5	Impact Resistance	Manufacturer to declare	≥0.55	≥0.55	≥0.55	≥0.55	≥0.55	IS 13630 -14
6	Deep Abrasion Resistance (Unglazed tile)	<175mm ³	<120 mm ³	<175mm ³	<120 mm ³	<120 mm ³	<120 mm ³	IS 4457:2007 Annex E / IS 13630-12
7	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	-	Min PEI IV - V	Class II, Min	Min PEI IV - V	Min PEI IV - V	Min PEI IV - V	IS 13630 - 11
# Skid Resistance								
8	a) Skid Resistance - Ramp Test	-	>R9	-	>R9	>R9	>R9	DIN 51130
	b) Coefficient of Friction	-	>0.42	-	>0.42	>0.42	>0.42	ISO 10545 -17 / ANSI A 326.3
9	Frost Resistance	-	No damage	Manufacturer to declare	No damage	No damage	No damage	IS 13630-10
10	Density (gm/cc)	-	>2.2	>2	>2.2	>2.2	>2.2	IS 13630 part 2
11	Moisture Expansion	Manufacturer to declare	≤0.02mm/m	Max0.02mm/m	≤0.02mm/m	≤0.02mm/m	≤0.02mm/m	IS 13630-part 3
12	Color Resistance to UV Light	-	No change in color	-	No change in color	No change in color	No change in color	DIN 51094
C) Chemical Properties								
1	Resistance to Concentrated HNO ₃ & H ₂ SO ₄ Acid (wt. Loss)	<1.5 %	<0.8 %	-	<0.8 %	<0.8 %	<0.8 %	IS 4457:2007 Annex G
Resistance to Chemicals								
2	a) Resistance to Low concentrations of acids & alkalies	Manufacturer to declare	ULA/GLA	Manufacturer to declare	ULA/GLA	ULA/GLA	ULA/GLA	ISO 10545-13 / IS 13630 part 8
	b) Resistance to High concentrations of acids & alkalies	Manufacturer to declare	UHA/GHA	Manufacturer to declare	UHA/GHA	UHA/GHA	UHA/GHA	
	c) Resistance to household chemicals and swimming pool salts	Manufacturer to declare	AA min	AA min	AA min	AA min	AA min	
3	Stain Resistance		Class 1 min	Class 1 min	Class 1 min	Class 1 min	Class 1 min	IS 13630 part 8
D) Thermal Properties								
1	Linear Thermal Expansion	-	<7x10 ⁻⁶ K ⁻¹	<7x10 ⁻⁶ K ⁻¹	<7x10 ⁻⁶ K ⁻¹	<7x10 ⁻⁶ K ⁻¹	<7x10 ⁻⁶ K ⁻¹	IS 13630 part 4 / ISO 10545-8
2	Thermal Shock Resistance	-	No damage	10 cycle, Min	No damage	No damage	No damage	IS 13630 part 5 / ISO 10545-9

Ramp Test: Suitable for all kind of surfaces (Plain, structural, etc.)

Slider (BOT-3000E Digital Tribometer): Suitable for plain / smooth surface and not working for structural / profiled surface

TECHNICAL SPECIFICATIONS

Hi-Traffic Pavers Series

S. No.	Test Description	I.S.- 4457:2007	Hi-Traffic Pavers Series	Test Method
A) Dimension Quality				
1	Deviation in Length & Width	±0.75%	±0.4%	IS 4457:2007 Annex B
2	Deviation in Thickness	±5%	±4%	
3	Straightness of Sides	±0.5%	±0.3%	
4	Rectangularity	±0.6%	±0.3%	
5	Surface Flatness	±0.5%	±0.3%	
6	Surface Quality	Min 95%	Min 95%	
B) Physical Properties				
1	Water Absorption	<0.5%	<0.5%	IS 4457:2007 Annex C
2	Scratch Hardness of Surface (Moh's scale)	-	>7	IS 13630 part 13
3	Flexural Strength (Average MOR)	>35N/mm ²	>35N/mm ²	IS 4457:2007 Annex D
4	Breaking Strength	≥1300N	>1800N	IS 4457:2007 Annex D
5	Impact Resistance	Manufacturer to declare	≥0.55	IS 13630-14
6	Deep Abrasion resistance (Unglazed tile)	<175mm ³	<120mm ³	IS 4457:2007 Annex E
# Skid Resistance				
7	a) Skid Resistance - Ramp Test	Manufacturer to declare	>R9	DIN 51130
	b) Coefficient of Friction		>0.42	ISO 10545 -17 / ANSI A 326.3
8	Frost Resistance	-	No damage	IS 13630-10
9	Density (gm/cc)	>2.0	>2.2	IS 13630 part 2
10	Moisture Expansion	Manufacturer to declare	≤0.3mm/m	IS 13630-part 3
11	Color Resistance to UV Light	-	No change in color	DIN 51094
C) Chemical Properties				
1	Resistance to Concentrated HNO ₃ & H ₂ SO ₄ Acid (wt. Loss)	< 1.5 %	< 0.8 %	IS 4457:2007 Annex G
Resistance to Chemicals				
2	a) Resistance to Low concentrations of acids & alkalies	Manufacturer to declare	ULA	IS 4457:2007 Annex F / ISO 10545-13
	b) Resistance to High concentrations of acids & alkalies		UHA	
	c) Resistance to household chemicals and swimming pool salts		UB	
3	Stain Resistance	Resistant	Resistant	IS 13630 part 7 / ISO 10545-14
D) Thermal Properties				
1	Linear Thermal Expansion	<7x10 ⁻⁶ K ⁻¹	<7x10 ⁻⁶ K ⁻¹	IS 13630 part 4 / ISO 10545-8
2	Thermal Shock Resistance	10 Cycle, Min	No damage	IS 13630 part 5 / ISO 10545-9

Ramp Test: Suitable for all kind of surfaces (Plain, structural...etc)

Slider (BOT -3000E Digital Tribometer): Suitable for plain / smooth surface and not working for structural / profiled surface

TECHNICAL SPECIFICATIONS

Glazed / Unglazed Tiles

S. No.	Test Description	ISO 13006:2018 / EN 14411 Group Bla Requirement	IS - 15622:2017 Group B1b	Unglazed		Test Method
				1.5 cm	2.0 cm	
A) Dimension Quality						
		Whichever is less applicable. Rectified	Rectified			ISO 10545-2 / IS 13630-1
1	Deviation in Length & Width	± 0.3% or ± 1.0mm	±0.1%	±0.1%	±0.1%	
2	Deviation in Thickness	± 5% or ± 0.5mm	±5%	±4%	±4%	
3	Straightness of Sides	± 0.3% or ±0.8mm	±0.1%	±0.1%	±0.1%	
4	Rectangularity	± 0.3% or ± 1.5mm	±0.1%	±0.1%	±0.1%	
5	Surface Flatness	± 0.4% or ± 1.8mm	±0.5%	±0.3%	±0.3%	
6	Surface Quality	Min 95%	Min 95%	Min 95%	Min 95%	
B) Physical Properties						
1	Water Absorption	≤ 0.5%, individual Max 0.6%	0.08%<E≤3	≤0.5%	≤0.5%	ISO 10545-3 / IS 13630-2
2	Scratch Hardness of Surface (Moh's scale)	-	≥5	>6	>6	IS 13630 part 13
3	Flexural Strength (Average MOR)	≥35 N/mm ² , Individual 32N/mm ² , Min	>30N/mm ² , Individual 27 min	>38N/mm ²	>38N/mm ²	ISO 10545-4 / IS 13630-6
4	Breaking Strength	≥1300 N	≥1100 N	>5500 N	>8000 N	
5	Impact Resistance	Report value	≥0.55	≥0.55	≥0.55	ISO 10545-5 / IS 13630-14
6	Surface Abrasion Resistance (PEI Rating) Glazed	Report cycle	Class II, Min	Min PEI IV - V	Min PEI IV - V	ISO 10545-7 / IS 13630-11
7	Deep Abrasion Resistance (Unglazed)	Report abrasion class	<175mm ³	<120mm ³	<120mm ³	ISO 10545-6 / IS 13630-12
# Skid Resistance						
8	a) Skid Resistance - Ramp Test	Manufacturer to declare	Manufacturer to declare	>R9	>R9	DIN 51130
	b) Coefficient of Friction	Manufacturer to declare	Manufacturer to declare	>0.42	>0.42	ISO 10545-17 / ANSI A 326.3
9	Bulk Density, in (g/cc)	≥2.0	≥2.0	>2.2	>2.2	ASTM C373-16 / IS 13630-2
10	Moisture Expansion	Manufacturer to declare	Max 0.02 mm/m	≤0.02 mm/m	≤0.02 mm/m	IS 13630-part 3 / ISO 10545-10
11	Frost Resistance	Manufacturer to declare	Manufacturer to declare	No damage	No damage	ISO 10545-12 / IS 13630-10
12	Color Resistance to UV Light	Manufacturer to declare	report result	No change in color	No change in color	DIN 51094
C) Chemical Properties						
1	Resistance to Concentrated HNO ₃ & H ₂ SO ₄ Acid (wt. Loss)	-	<1.5 %	<0.8%	<0.8 %	IS 4457:2007 Annex G
Resistance to Chemicals						
2	a) Resistance to Low concentrations of acids & alkalis	Manufacturer to declare	Manufacturer to declare	ULA/GLA	ULA/GLA	ISO 10545-13 / IS 13630-8
	b) Resistance to High concentrations of acids & alkalis	Manufacturer to declare	Manufacturer to declare	UHA/GHA	UHA/GHA	
	c) Resistance to household chemicals and swimming pool salts	Min B	AA min	B(ISO)/AA (IS)	B(ISO)/AA (IS)	
3	Stain Resistance	Min Class 3	Class 1 min	Class 3 (ISO)/ Class 1 (IS)	Class 3 (ISO)/ Class 1 (IS)	ISO 10545-14 / IS 13630-8
D) Thermal Properties						
1	Linear Thermal Expansion	Report value	≤7x10 ⁻⁶ K ⁻¹	≤7x10 ⁻⁶ K ⁻¹	≤7x10 ⁻⁶ K ⁻¹	ISO 10545-8 / IS 13630-4
2	Thermal Shock Resistance	-	10 Cycle, Min	No damage	No damage	ISO 10545-9 / IS 13630-5

Ramp Test: Suitable for all kind of surfaces (Plain, structural...etc)

Slider (BOT -3000E Digital Tribometer): Suitable for plain / smooth surface and not working for structural / profiled surface

TECHNICAL SPECIFICATIONS

Maxgrip Porcelain

S. No.	Test Description	I.S.- 4457:2007	IS - 15622:2017 Group B1b	Endura Maxgrip	Test Method
A) Dimension Quality					
1	Deviation in Length & Width	±0.6%	±0.1%	±0.1%	IS 4457:2007 Annex B / IS 13630-1
2	Deviation in Thickness	±5%	±5%	±4%	
3	Straightness of Sides	±0.2%	±0.1%	±0.1%	
4	Rectangularity	±0.2%	±0.1%	±0.1%	
5	Surface Flatness	±0.3%	±0.5%	±0.3%	
6	Surface Quality	Min 95%	Min 95%	Min 95%	
B) Physical Properties					
1	Water Absorption	<0.5%	0.08<E9	<0.5%	IS 4457:2007 Annex C / IS 13630-2
2	a) Scratch hardness of surface (Moh's scale) - Unglazed tile	-	≥5	>7	IS 13630 part 13
	b) Scratch hardness of surface (Moh's scale) - Glazed tile	-	≥5	≥6	
3	Flexural Strength (Average MOR)	>35N/mm ²	>30N/mm ²	>38N/mm ²	IS 4457:2007 Annex D / IS 13630-6
4	Breaking Strength	≥1300N	≥1100N	≥1800 N	IS 4457:2007 Annex D / IS 13630-6
5	Impact Resistance	Manufacturer to declare	≥0.55	≥0.55	IS 13630 -14
6	Deep Abrasion resistance (Unglazed tile)	<175mm ³	<175mm ³	<120 mm ³	IS 4457:2007 Annex E / IS 13630-12
7	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	-	Class II, Min	Min PEI IV - V	IS 13630 - 11
# Anti-Slip Properties					
8	a) Ramp Test @ Value)	-	-	R10/R11/R12	DIN 51130
	b) Barefeet on Wet Area (A/B/C) Scale	-	-	A/B/C	DIN 51097
9	Frost Resistance	-	Manufacturer to declare	No damage	IS 13630-10
10	Density (gm/cc)	-	≥2	>2.2	IS 13630 part 2
11	Moisture Expansion	Manufacturer to declare	-	≤0.3 mm/m	IS 13630-part 3
12	Color Resistance to UV Light	-	-	No change in color	DIN 51094
C) Chemical Properties					
Resistance to Chemicals					
1	a) Resistance to Low Concentrations of Acids 6 Alkalies	Manufacturer to declare	Manufacturer to declare	ULB /GLB	ISO 10545-13
	b) Resistance to High Concentrations of Acids 6 Alkalies	Manufacturer to declare	Manufacturer to declare	UHB/GHB	
	c) Resistance to Household Chemicals and Swimming Pool Salts	Manufacturer to declare	UB/GB	UB /GB	
2	Stain Resistance	-	Resistant	Resistant	ISO 10545-14
D) Thermal Properties					
1	Linear Thermal Expansion	-	≤7 x10 ⁻⁶ K ⁻¹	≤7 x10 ⁻⁶ K ⁻¹	IS 13630 part 4 / ISO 10545-8
2	Thermal Shock Resistance	-	10 cycle, Min	No damage	IS 13630 part 5 / ISO 10545-9

TECHNICAL SPECIFICATIONS

Glazed Porcelain Cladding Tiles

S. No.	Test Description	IS 15622:2017 Group Blb	ISO 13006:2018 / EN 14411 Group Bla Requirement	Glazed Porcelain Cladding Tiles - Unrectified	Test Method
A	Dimensional Properties	whichever is less applicable.			
1	Deviation in Length & Width	±0.4%	±0.6% , ± 2.0 mm	±0.4%	IS 4457:2007 Annex B / ISO 10545-2
2	Deviation in Thickness	±5%	±5% , ± 0.5 mm	±4%	IS 4457:2007 Annex B/ ISO 10545-2
3	Straightness of Sides	±0.3%	±0.5%, ±1.5mm	±0.3%	IS 4457:2007 Annex B / ISO 10545-2
4	Rectangularity	±0.3%	±0.5%, ± 2.0 mm	±0.3%	IS 4457:2007 Annex B / ISO 10545-2
5	Surface Flatness	±0.5%	±0.5%, ± 2.0 mm	±0.3%	IS 4457:2007 Annex B / ISO 10545-2
6	Surface Quality	Min 95%	Min 95%	Min 95%	IS 4457:2007 Annex B / ISO 10545-2
B	Physical Properties				
1	Water Absorption	0.08% < E ≤ 3	< 0.5%, Individual Max 0.6%	< 0.5%	IS 4457:2007 Annex C /ISO 10545-3
2	Scratch hardness of surface (Moh's scale)	≥5	-	≥5	IS 13630 part 13
3	Flexural Strength (Average MOR)	Average 30 N, Individual 27 N/mm ²	≥ 35 N/mm ² , Individual 32N/mm ² , Min	>38N/mm ²	IS 4457:2007 Annex D /ISO 10545-4
4	Breaking Strength	≥700N	≥700N	≥700N	IS 4457:2007 Annex D /ISO 10545-4
5	Surface Abrasion Resistance (PEI Rating) Glazed	Class II, Min	Report abrasion class	Min PEI IV - V	ISO 10545-7 /IS 13630-11
6	Bulk Density, in (g/cc)	>2.0	report value	>2.2	ASTM C373-16 / IS 13630-2
7	Moisture Expansion	≤ 0.02 mm/m	Manufacturer to declare	≤ 0.02 mm/m	IS 13630-part 3 /ISO 10545-10
8	Frost resistance	Manufacturer to declare	Manufacturer to declare	No damage	ISO 10545-12 / IS 13630-10
C	Chemical Properties				
1	Resistance to Chemicals				
	a) Resistance to household chemicals and swimming pool salts	AA	Minimum B	AA (IS)/GB (ISO)	ISO 10545 part 13
	b) Resistance to acids & alkalis		Manufacturer to declare	Class GLA/GHA	
2	Stain resistance	'Min Class 1	Min Class 3	Class 1(IS)/Class 3 (ISO)	IS 13630 part 7 /ISO 10545-14
D	Thermal Properties				
1	Linear Thermal Expansion	Max 7 x 10-6 K-1		< 7 x 10-6 K-1	ISO 10545-8/ IS 13630-4
2	Thermal shock resistance	No damage	No damage	No damage	ISO 10545-9 / IS 13630 -5

TECHNICAL SPECIFICATIONS

Ceramic Wall Tiles

S. No	Property	ISO 13006:2018 / EN 14411 Group BIII Requirement	Indian Standard IS 15622:2017 Group B III Requirement	Gres Porcelain Tiles (Rectified) Value	Test Method
	Dimensions & Surface Quality	whichever is less applicable. Rectified edge		Rectified	
1	Deviation in Length & Width	± 0.3% or ±1.0mm	± 0.2 %	± 0.2 %	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 10% or ±0.5mm	± 5 %	± 5 %	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.15 %	± 0.15 %	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.2 %	± 0.2 %	ISO 10545-2 / IS 13630-1
5	Surface Flatness	± 0.4% or ±1.8mm	± 0.3 %	± 0.3 %	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	> 95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property				
7	Water Absorption	Average > 10%, when the average exceeds 20%, this should be indicated by manufacturer. Individual min value 9%.	Average > 10%, when the average exceeds 20%, this should be indicated by manufacturer. Individual min value 9%.	E > 10%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture	12 N/mm ² , Min for Thickness. ≥ 7.5mm and 15N/mm ² Min for thickness < 7.5 mm	12 N/mm ² , Min for Thickness ≥ 7.5mm and 15N/mm ² Min for thickness < 7.5 mm	≥ 12 N/mm ² , for Thickness ≥ 7.5 mm and 15 N/mm ² for Thickness < 7.5 mm	ISO 10545-4/ IS 13630-6
9	Breaking Strength	200 N, Min for thickness < 7.5 mm, 600 N Min for thickness ≥ 7.5 mm	200 N, Min for thickness < 7.5 mm, 600 N Min for thickness ≥ 7.5 mm	≥ 200 N, Min for thickness < 7.5 mm, ≥ 600 N for thickness ≥ 7.5 mm	ISO 10545-4 / IS 13630-6
10	Moisture expansion	Report value	0.04 mm/m, Max	≤ 0.04 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	Not Required	3, Min	≥ 4	IS 13630 -13
12	Impact Resistance Coefficient of Restitution	Report value	0.55, mm	≥ 0.55	ISO 10545-5 /IS 13630 -14
13	Coefficient of Linear Thermal Expansion	Report value	Max, 9 x 10 ⁻⁶ K ⁻¹	≤ 9 x 10 ⁻⁶ K ⁻¹	ISO 10545-8/ IS 13630-4
14	Thermal Shock Resistance	Report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630 -5
15	Crazing Resistance of Glazed Tiles	Report result	4 cycles @7.5 bar Min	No Damage	ISO 10545-11/ IS 13630-9
16	Chemical Property (cleansers except to cleansing agents containing Hydrofluoric acids and its compounds)				
a	Resistance to Staining - Glazed Tiles	Class 3	Class 1, Min	Class 3, (ISO)/ Class 1 (BIS)	ISO 10545-14 / IS 13630-8
b	Resistance to Household Chemicals and Swimming Pool water cleansers	GB	AA	GB/AA	ISO 10545-13 / IS 13630-8
c	Resistance to acids and alkalis (Glazed Tiles)	Report result	Report result	GA	ISO 10545-13 /IS 13630 -8
17	Color Resistance to UV light	Report result	-	No change in color	DIN 51094
18	Lead & Cadmium Release- for Glazed Tiles, where required	Report value	-	Nil	ISO 10545-15

* ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile. Please inspect all tiles prior to installation, company will not entertaining complaints once tiles are laid/ fixed

TECHNICAL SPECIFICATIONS







Gres Porcelain

S. No.	Property	International Standard ISO 13006 / EN 14411 Group B1a Requirement	Indian Standard IS 15622:2017 Group B1a Requirement	Johnson Ceramic Floor Rectified	Test Method
i)	Dimensions & Surface Quality		Rectified edge		
1	Deviation in Length & Width	± 0.3% or ± 1.0mm	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ± 0.5mm	± 5%	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ± 1.5mm	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ± 2.0mm	± 0.1%	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness (Center Curvature, Edge Curvature & Warpage)	± 0.4% or ± 1.8mm	± 0.5%	± 0.3%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	>95% free from visible defects	ISO 10545-2 / IS 13630-1
ii)	Physical Property				
7	Water Absorption	3<E≤ 6%, Individual Max 6.5%	Average 3<E≤ 6%, Individual Max 6.2	3<E≤ 6%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture	Average 22 N/mm2, Individual 20 N/mm2, Min	Average 22 N/mm2, Individual 20 N/mm2, Min	≥ 25 N/mm2	ISO 10545-4/ IS 13630-6
9	Breaking Strength	≥ 600 N for thickness < 7.5 mm, ≥ 1000N for thickness ≥7.5mm	≥ 600 N for thickness < 7.5 mm, ≥ 1000N for thickness ≥7.5mm	≥ 600 N for thickness < 7.5 mm and ≥ 1000N for thickness ≥7.5mm	ISO 10545-4 / IS 13630-6
10	Moisture expansion	Report value	0.03 mm/m, Max	0.03 mm/m, Max	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	Not Required	4, Min	> 4	IS 13630 -13
12	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	Report abrasion class	class II, Min	class II-V	ISO 10545-7 / IS 13630 -11
13	Coefficient of Linear Thermal Expansion	Report value	Max, 9 x 10-6 K-1	< 9 x 10-6 K-1	ISO 10545-8 / IS 13630- 4
14	Thermal Shock Resistance	Report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630 -5
15	Crazing Resistance of Glazed Tiles	Report result	4 cycles @7.5 bar Min	No Damage	ISO 10545-11/ IS 13630-9
16	Impact Resistance	Report value	0.55 Min	> 0.55	ISO 10545-5/ IS 13630 -14
17	Slip Resistance for Floor Application	Report value	Manufacturer to declare	0.4 to 0.5	ANSI B101.3
18	Frost Resistance	Report result	Required if requested by purchaser	No Damage	ISO 10545-12 / IS 13630-10
19	Chemical Property (Cleansers except to cleansing agents containing Hydrofluoric acids and its compounds)				
a	Resistance to Staining - Glazed Tiles	Min Class 3	Class 1, Min	Class 3, (ISO) / Class 1 (BIS)	ISO 10545-14 / IS 13630-8
b	Resistance to Household Chemicals and Swimming Pool water cleansers	Min B	Class AA Min	B/AA	ISO 10545-14 / IS 13630-8
c	Resistance to acids and alkalis (Glazed Tiles)	report resistance class	report resistance class	GA	ISO 10545-13/ IS 13630-8
20	Color Resistance to UV light	Report result	-	No change in colour	DIN 51094

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Please inspect all tiles prior to installation, company will not entertaining complaints once tiles are laid/ fixed

TECHNICAL SPECIFICATIONS

Engineered Stones

Characteristics	Unit	Marble	Quartz
 Water Absorption	%	< 0.4	< 0.085
 Flexural Strength	Mpa	> 21	> 40
 Hardness	Mohs	3	6 to 7
 Apparent Density	Kg/m3	2200 - 2400	2400 - 2700
 Deviation in Thickness	mm	(+/-)1	(+/-)1
 Surface Flatness	mm/linear meter	1.5	1.5

© Results given above are non-binding and to be used only for reference. Figures are derived from average for different products.

PACKING DETAILS

Product	Nominal Size (cm)	No. of Tiles/Box	Approx Area/ Box (sq.m)	Approx Weight/ Box (kgs)	Approx Cartons/20' Container	Approx Area/ Container (sq.m)
Full Body 80X160	80X160	2	2.56	51.0	529	1354
Glazed Porcelain 80X120	80X120	2	1.92	36.5	739	1419
Glazed Porcelain 60X120	60X120	2	1.44	27.5	981	1413
Glazed Porcelain 20X120	20X120	6	1.44	32.00	843	1214
Gres porcelain 20x100	20x100	5	1.00	20.3	1330	1330
Gres porcelain 60X60	60X60	4	1.44	26.5	1018	1466
Glazed Porcelain Tiles 30X60	30X60	4	0.72	18	1500	1080
Ceramic Tiles 30x60 Digital Wall Tiles	30x60	5	0.90	14	1928	1735
Ceramic Tiles 30x60 (HT Elevation)	30x60	5	0.9	15	1800	1620
Ceramic Tiles 30x30 (Coordinated Floor Tiles)	30x30	9	0.81	10.50	2571	2083
10x30.2 (Flat)	10x30.2	33	0.99	13.2	2045	2025
10x30.2 (Frame & Beveled)	10x30.2	28	0.85	12	2250	1913
Hi-Traffic						
20x20 (1cm Thk)	20X20	20	0.8	18	1500	1200
30x30 (1cm Thk)	30X30	10	0.9	19.13	1411	1270
60x60 (1cm Thk) (Sandex & Sandex PI)	60X60	4	1.44	30	900	1296
60x120 (1cm Thk) (Sandex)	60X120	2	1.44	30	900	1296
Max						
30x30	30x30	10	0.9	18.55	1455	1310
60x60	60x60	4	1.44	31	870	1253
Glazed Porcelain Cladding Tiles						
24x7.5	24x7.5	50	0.9	10	2700	2430
Unglazed						
60x60 (1.5cm Thk)	60x60	3	1.08	35	771	833
60x60 (2cm Thk)	60x60	2	0.72	34.4	784	564

NOTES

