

*best for your life*







TABRIZ TILE GROUP



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		TEMPER	096				
		TINO	100				
		TRUST	106				

# SIZES

GLAZED PORCELAIN

	80 x 160	26,5 x 160	120 x 120	60 x 120	20 x 120	100 x 100	60 x 60
ARCHI		■			■		
CHARM	■		■	■		■	
ENTIS	■		■	■		■	
FORMA			■			■	
KAMEN	■		■	■		■	
KARZA	■		■	■		■	
LEGNO		■			■		
LEVANA	■			■		■	■
MARTA	■		■				
NOXWOOD					■		
SADRA						■	■
SPACE	■		■	■		■	■
TEMPER	■			■		■	■
TIMEWOOD					■		
TIVOLI	■		■	■		■	■
VULCANO				■			■
WARP	■						
WOODEN		■			■		

# WALL TILE & FLOOR TILE COMBINATION

	40 x 120	33 x 100	30 x 90	MOSAIC	40 x 40	30 x 30
BOHEMIEN					■	
CAPRI	■			■	■	
LAVIN	■			■	■	
NORDIK	■				■	
PLASTER	■			■	■	
TERANCO	■					
TINO	■			■	■	
TIVOLI			■	■		■
TRUST	■				■	
VULCANO			■			■



## OUR COMPANY

### STORY

At Spainker, we manufacture floor and wall tiles with the aim of offering a genuine product to our customers. As a result of a union between two experienced countries in the business of ceramics such as Spain and Iran, Spainker rises as brand new concept which combines the latest trends with the highest quality and innovation.

Our goal is to transmit our passion for ceramics to our customers, through unique products, which contribute to the habitat security values for their quality and differentiation for their development. Multipurpose products, excellent in terms of design that remain enduring over time both for its style and its richness in details.

In order to always offer the highest quality products and design to the market, Spainker has understood innovation and investment in technology as part of its DNA. Always at the forefront of the latest research and techniques, our products are characterised by always providing a detail beyond conventionalism.

At Spainker we work every day investigating and applying new techniques that allow us to offer a differentiated product of the highest quality to our customers.





## SUSTAINABLE SURFACES

ECO VALUES

As part of Spainker culture and goals, the care for the world heritage is a must. Spainker production philosophy is based on quality and innovation, with special attention to the environment using the latest technologies.

Spainker believes that to protect the environment for future generations must accept some responsibility for maintaining the planet. Therefore, it is our duty to prevent environmental degradation and work in conditions in a way to ensure the health of workers and the nature at the same time.

The preservation of environment is constantly a priority of Spainker from the moment we select our raw materials, up until the moment the finished ceramic tiles are dispatched from our warehouse.



# STONE

## MATERIAL COLLECTIONS

The stone represents the elegance of the nature. It can be a high difference between the limestone to a volcanic stone, but all of them highlight by the matt and polished areas and the zones of grains and fossils.

The collections that interpret the stone reproduce in a realistic way all its beauty and they add the technical performance and the large variety of formats for floor or wall that ensure the ceramic technology.

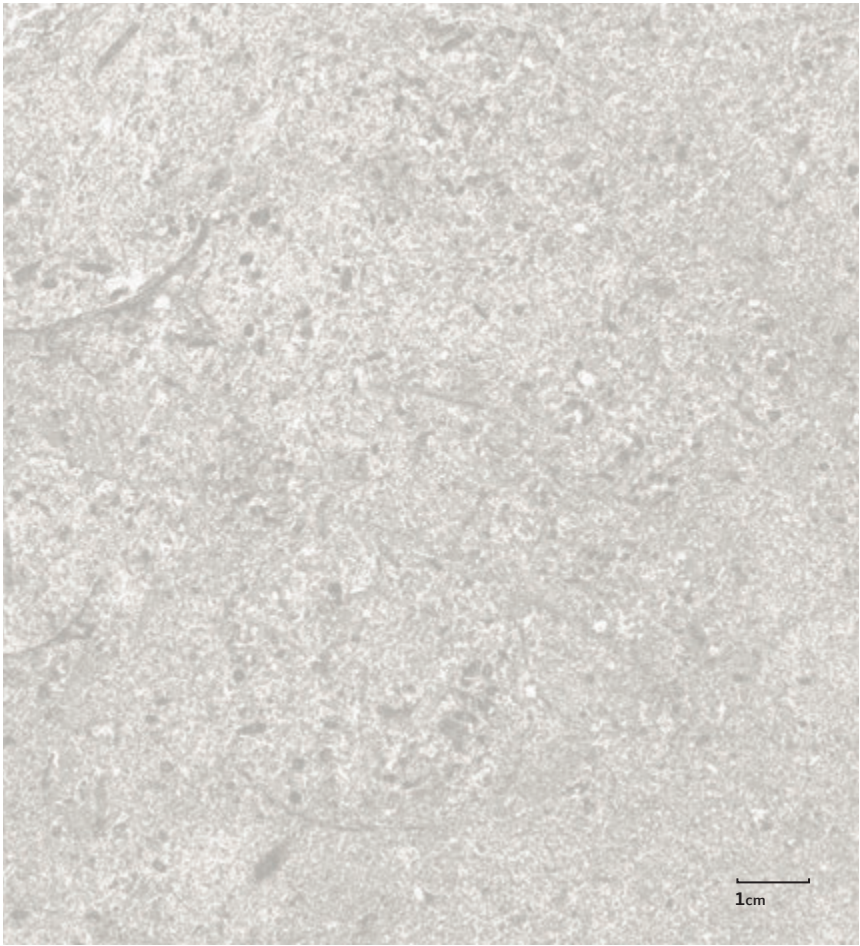
The result of the application of this material are ambiances minimalistic, elegant, with great personality and timeless.

<b>CAPRI</b>	012
<b>ENTIS</b>	016
<b>PLASTER</b>	020
<b>SADRA</b>	026
<b>TERANCO</b>	032
<b>TIVOLI</b>	038
<b>VULCANO</b>	048















# CAPRI



Capri highlights by being a natural and exquisite material that originates from southern Italy.

It has been created to be able to settle as wall tile in any ambience, providing a lighthearted luxury touch.

This collection offers two geometrical structures too. The first one, Hexa, reminds of a swarm of bees by its shape of hexagons. And the second one, Bera, is composed of vertical lines that will highlight the walls on which it will be placed.

MATERIAL	Wall Tile								
TECH INFO	<div>WB</div>	<div>R</div>	<div></div>	<div>M</div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
SIZES	<div> 40x40</div>		<div> 40x120</div>						
COLORS	<div></div>		<div></div>						





40X120 LIGHT CAPRI  
40X40 LIGHT MOSAIC

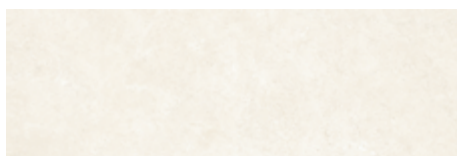




40X120 GREY BERA CAPRI  
40X40 GREY

# CAPRI

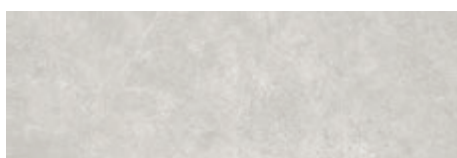
WALL TILE & FLOOR TILE COMBINATION



**LIGHT**  
40x120



**LIGHT BERA**  
40x120



**GREY**  
40x120



**GREY BERA**  
40x120



**LIGHT  
MOSAIC**  
40x40



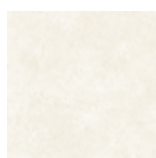
**GREY  
MOSAIC**  
40x40

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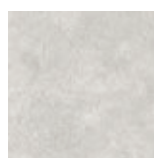
**GOLD PERFIT**  
0,6x120

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**SILVER PERFIT**  
0,6x120

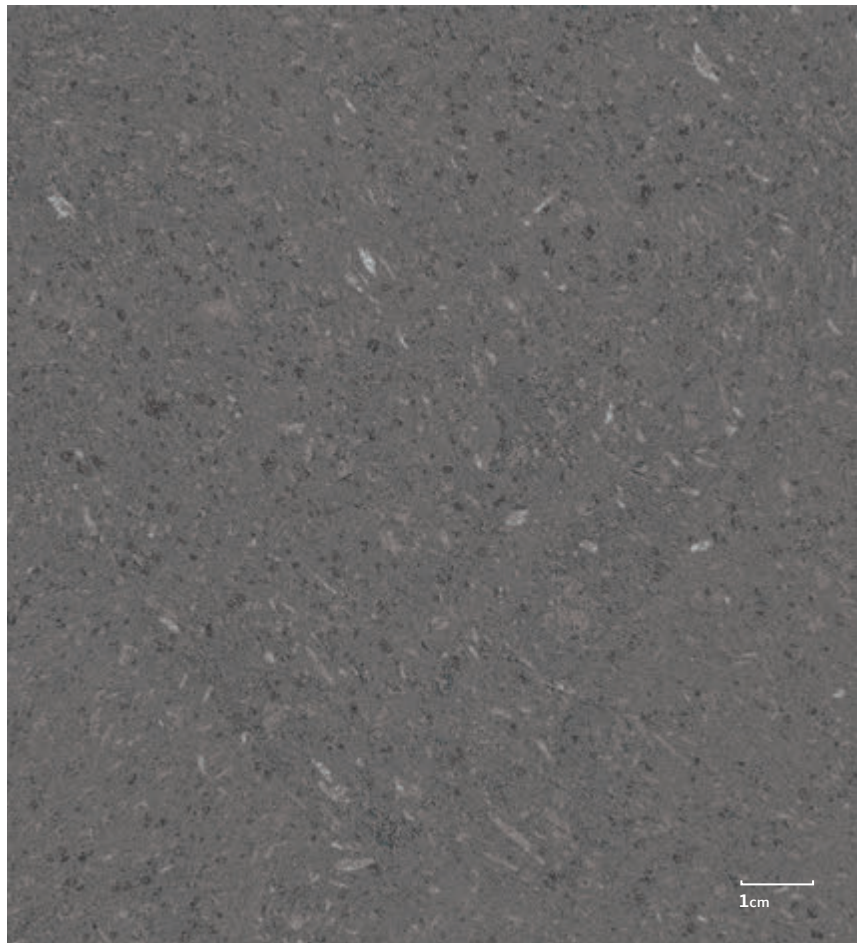


**LIGHT**  
40x40



**GREY**  
40x40











# ENTIS



Entis is created behind the nature's originality, in detail from the appearance of the volcanic stone.

The elegance and thoroughness of the pieces detail result in a natural finished of great value.

It is an ideal collection for high pedestrian traffic providing, also, an immense personality to those places.

MATERIAL	Glazed Porcelain & Wall Tile										
TECH INFO	GP	CB	R			M			4		
SIZES			80x160 60x120				120x120 100x100				
COLORS	  										





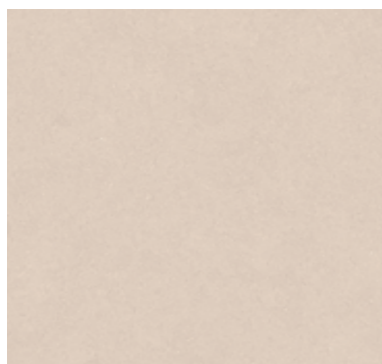






# ENTIS

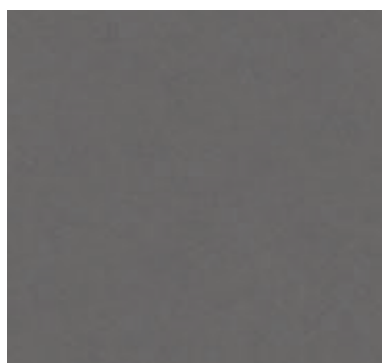
GLAZED PORCELAIN



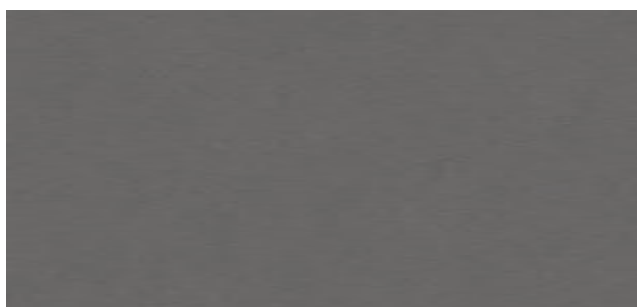
BEIGE  
120x120  
100x100



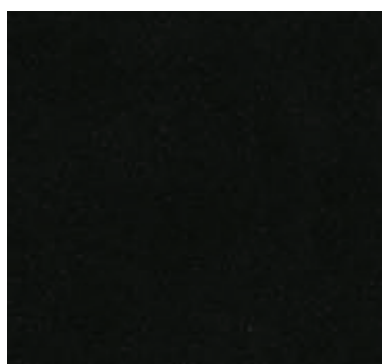
BEIGE  
80x160  
60x120



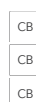
GREY  
120x120  
100x100



GREY  
80x160  
60x120



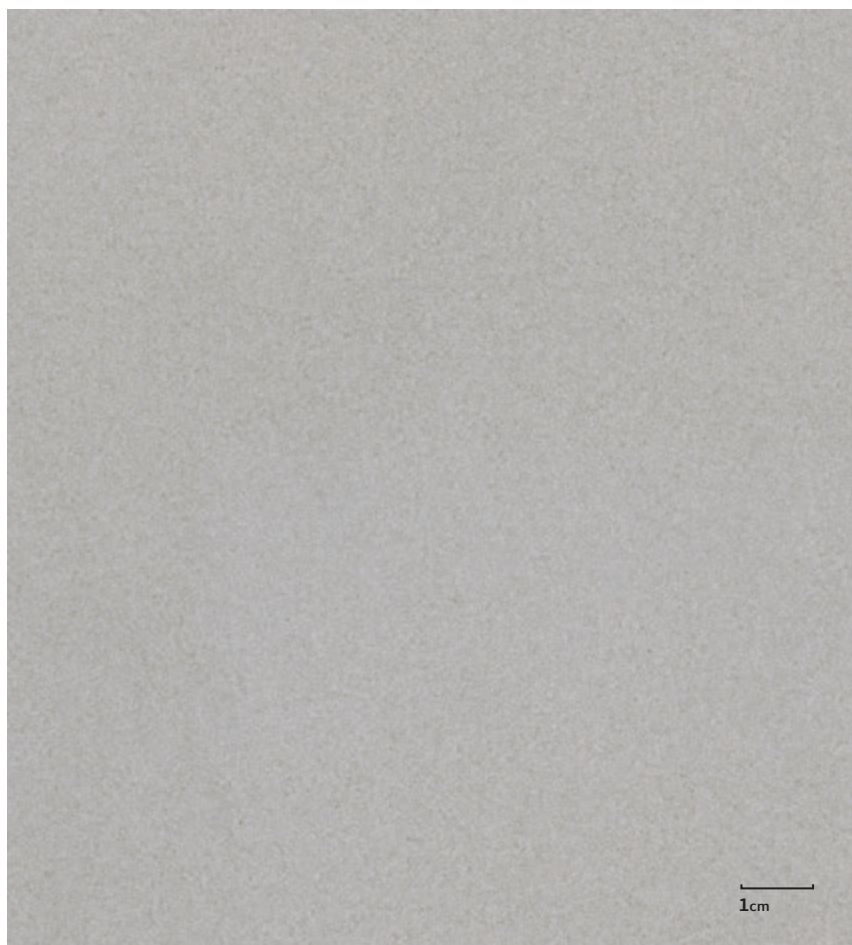
BLACK  
120x120  
100x100



BLACK  
80x160  
60x120



# PLASTER



Plaster highlights by the structure of its surface, delicately matteric, which evokes the effect of handicraft and plasticity of the artesanal finishes of cement. An essential collection but intense that acquire higher profile when it is illuminated in a natural or artificial way.

It is available in 3 colours in their most pure and rigorous tonality, combined in innovative formats that guarantee, in every architectonic context, of an attractive naturalness.

MATERIAL	Wall Tile									
TECH INFO	<div>WB</div>	<div>R</div>	<div></div>	<div>M</div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div>20mm</div>
SIZES	<div></div> 40x40		<div></div> 40x120							
COLORS	<div></div>	<div></div>	<div></div>							





40X120 LIGHT ROW PLASTER





PLASTER 40X120 ANTHRACITE  
40X120 ANTHRACITE VEXY



40X120 LIGHT PLASTER  
40X120 LIGHT VEXY

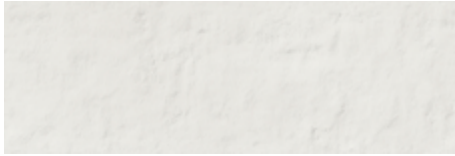




PLASTER 30X30 LIGHT MOSAIC

# PLASTER

## WALL TILE & FLOOR TILE COMBINATION



**LIGHT**  
40x120



**LIGHT VEXY**  
40x120



**LIGHT ROW**  
40x120



**GREY**  
40x120



**GREY VEXY**  
40x120



**GREY ROW**  
40x120



**ANTHRACITE**  
40x120



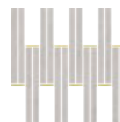
**ANTHRACITE VEXY**  
40x120



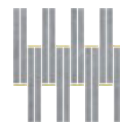
**ANTHRACITE ROW**  
40x120



**LIGHT MOSAIC**  
30x30



**GREY MOSAIC**  
30x30



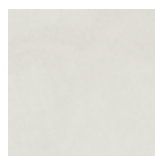
**ANTHRACITE MOSAIC**  
30x30

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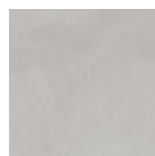
**GOLD PERFIT**  
0,6x120

---

**SILVER PERFIT**  
0,6x120



**LIGHT**  
40x40



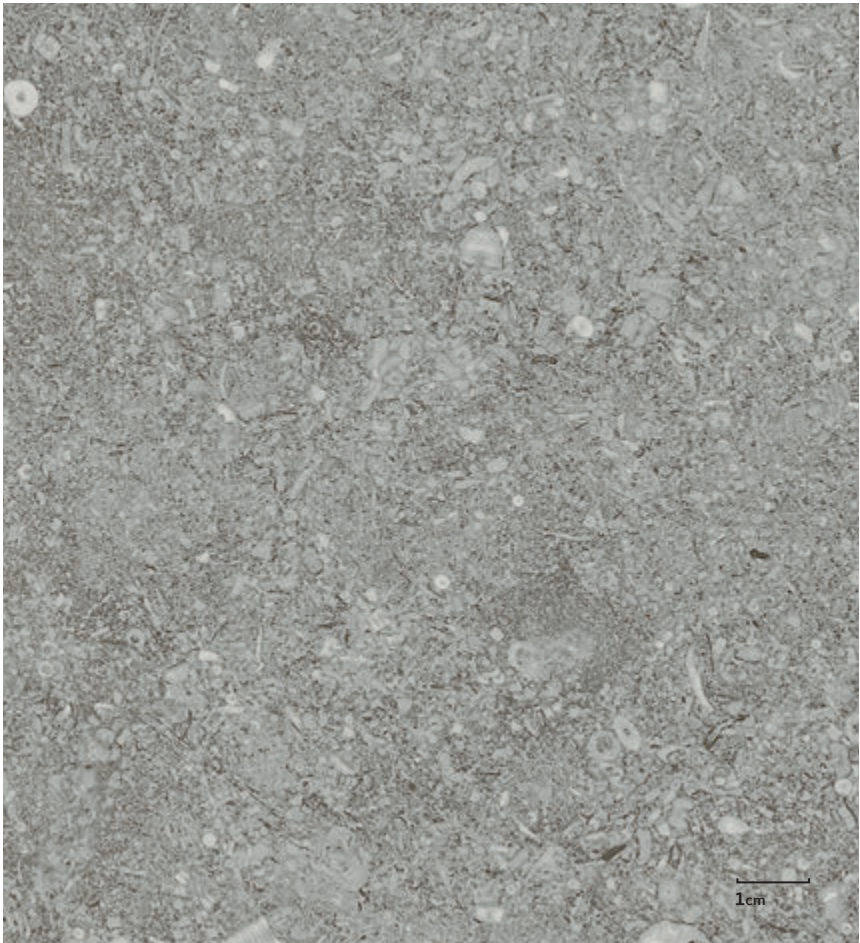
**GREY**  
40x40



**ANTHRACITE**  
40x40



# SADRA



Sadra is a cozy design that has its origin in a stone effect, refined and matteric in which the attention of the details, the development of the graphic motive and the matrixes of its chromatic range are capable of illuminate with a unique touch and unmistakable in any ambience.

A collection that evokes the value of authenticity without time to introduce naturally, simplicity and comfort at home.

MATERIAL	Glazed Porcelain & Wall Tile										
TECH INFO	<div>GP</div>	<div>WB</div>	<div>R</div>	<div></div>	<div></div>	<div>M</div>	<div></div>	<div></div>	<div>4</div>	<div></div>	<div></div>
SIZES	<div><div></div><div>100x100 60x60</div></div>										
COLORS	<div><div></div><div></div><div></div></div>										









SADRA 100X100 ASH  
100X100 GREY









# SADRA

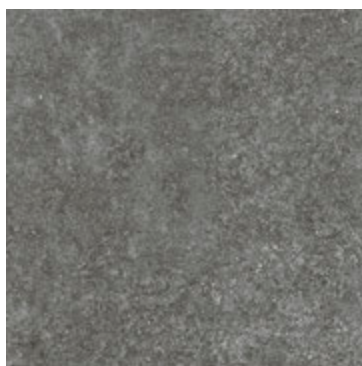
GLAZED PORCELAIN



**ASH**  
100x100  
60x60



**GREY**  
100x100  
60x60



**ANTHRACITE**  
100x100  
60x60



# TERANCO



Teranco is a simple as well as sophisticated design that was born from the transformation of the matter.

A different surfaces by its four chromatic shades which express at maximum its peculiar balance aesthetic on wide surfaces.

An informal and versatile luxury with authentic details and warm texture to the touch. Perfect to cover contemporary ambiances with a great trend and rich in memory.

MATERIAL	Wall Tile
TECH INFO	<div> <div>WB</div> <div>R</div> <div></div> <div>M</div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>
SIZES	<div> <div></div> <div>40x120</div> </div>
COLORS	<div> <div></div> <div></div> <div></div> </div>



40X120 IVORY ROW    TERANCO  
40X120 IVORY MICRO





TERANCO 40X120 ANTHRACITE PLAID









TERANCO 40X120 ASH MICRO

# TERANCO

## WALL TILE & FLOOR TILE COMBINATION



IVORY MICRO  
40x120



IVORY PLAID  
40x120



IVORY ROW  
40x120



ASH MICRO  
40x120



ASH PLAID  
40x120



ASH ROW  
40x120



ANTHRACITE MICRO  
40x120



ANTHRACITE PLAID  
40x120



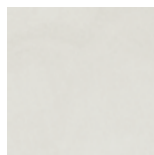
ANTHRACITE ROW  
40x120

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GOLD PERFIT  
0,6x120

---

SILVER PERFIT  
0,6x120



PLASTER  
LIGHT  
40x40



PLASTER  
ANTHRACITE  
40x40

# TIVOLI



Tivoli stands out for the stone's characteristics in which it inspires: its nature, personality and strength, in addition to the similarities to the touch due to its soft bush-hammered finish. The grains are also a significant element that have been treated carefully.

The shades that it offers and the quantity of formats in which are available complete the identity of this piece.

They can be used in any space of a house, thanks to its aesthetic, they result ideal to receive different decorative styles.

MATERIAL	Glazed Porcelain & Wall Tile				
TECH INFO	GP	WB	R	!	!
	4	!	!	M	!
SIZES	80x160 60x120	120x120 100x100 60x60 30x30	30x90		
COLORS					









TIVOLI 80X160 LIGHTGREY





30X45 ANTHRACITE MOSAIC TIVOLI





TIVOLI 30X90 ANTHRACITE TIDE



30X90 LIGHTGREY ONA TIVOLI





TIVOLI 30X45 LIGHTGREY MOSAIC



# TIVOLI

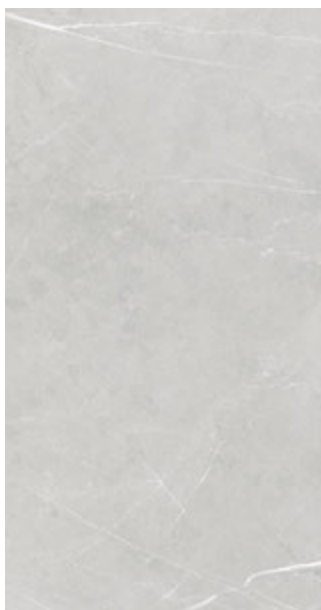
GLAZED PORCELAIN



**BEIGE**  
80x160  
60x120



**BEIGE**  
120x120  
100x100



**LIGHTGREY**  
80x160  
60x120



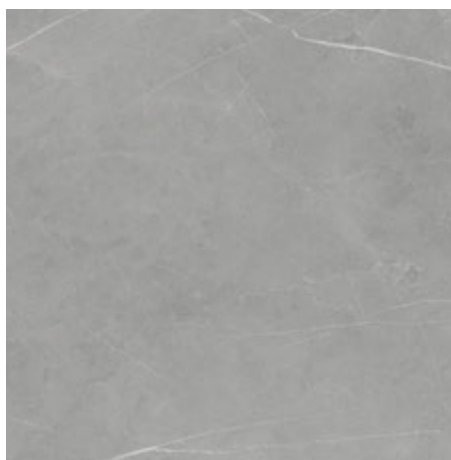
**LIGHTGREY**  
120x120  
100x100

# TIVOLI

GLAZED PORCELAIN



**DARKGREY**  
80x160  
60x120



**DARKGREY**  
120x120  
100x100



**ANTHRACITE**  
80x160  
60x120



**ANTHRACITE**  
120x120  
100x100



# TIVOLI

## WALL TILE & FLOOR TILE COMBINATION



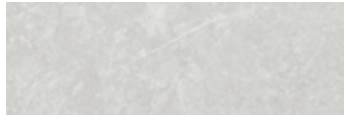
**WHITE**  
30x90



**WHITE TIDE**  
30x90



**WHITE ONA**  
30x90



**LIGHTGREY**  
30x90



**LIGHTGREY TIDE**  
30x90



**LIGHTGREY ONA**  
30x90



**ANTHRACITE**  
30x90



**ANTHRACITE TIDE**  
30x90



**ANTHRACITE ONA**  
30x90



**WHITE MOSAIC**  
30x45



**LIGHTGREY MOSAIC**  
30x45



**ANTHRACITE MOSAIC**  
30x45

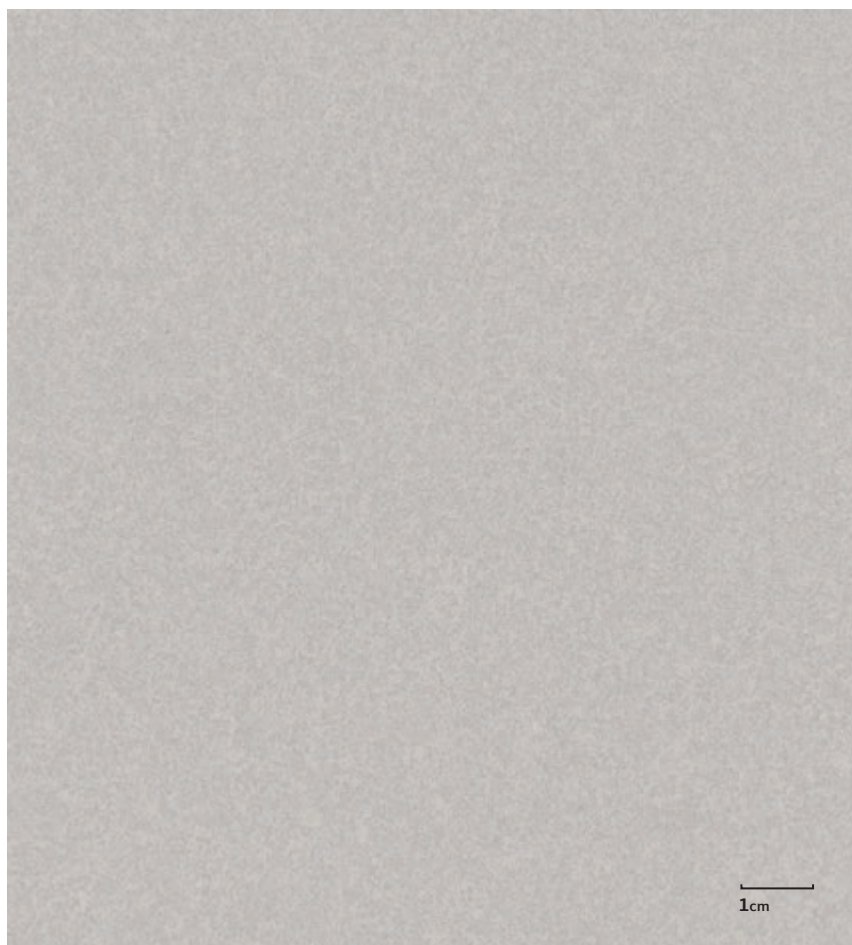
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**SILVER MIXED PERFIT**  
2x90



**LIGHTGREY**  
60x60  
30x30















# VULCANO



Vulcano is a decorative concept inspired in the graininess and the colour of the land. Its surfaces convert into the main character through games and lights that impinge on the texture.

A collection characterised by an amazingly materiality that invite to touch and sight through a soft chromaticism.

Neutral and warm spaces that flow through the different formats for both base and decors full of sensorial lightness.

MATERIAL	Glazed Porcelain & Wall Tile									
TECH INFO	GP	WB	R			M				
	4									
SIZES	 60x120		 60x60 30x30		 30x90					
COLORS										





60X60 IVORY VULCANO  
30X90 TATTER LEAVES



VULCANO 60X60 GREY

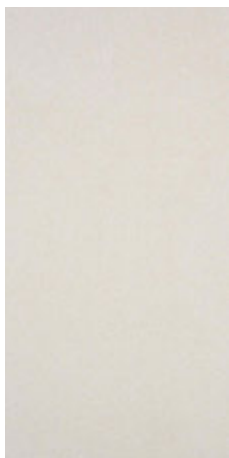






# VULCANO

GLAZED PORCELAIN



IVORY  
60x120

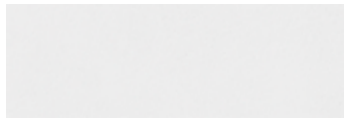


GREY  
60x120

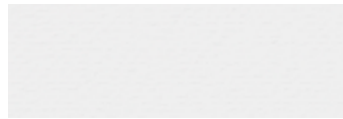


# VULCANO

WALL TILE & FLOOR TILE COMBINATION



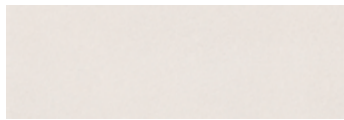
**WHITE**  
30x90



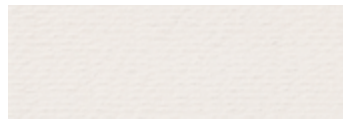
**WHITE LAP**  
30x90



**WHITE TATTER**  
30x90



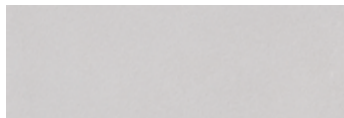
**IVORY**  
30x90



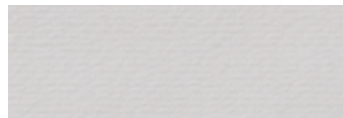
**IVORY LAP**  
30x90



**IVORY TATTER**  
30x90



**GREY**  
30x90



**GREY LAP**  
30x90



**GREY TATTER**  
30x90



**TATTER LEAVES**  
30x90

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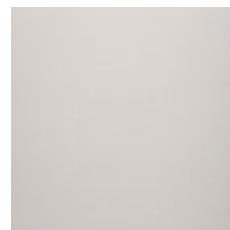
**GOLD PERFIT**  
0,6x90

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**SILVER PERFIT**  
0,6x90



**IVORY**  
60x60  
30x30



**GREY**  
60x60  
30x30

# CONCRETE

## MATERIAL COLLECTIONS

The cement transports us to the origins of the industrial design. It is a delicate and soft in its finish.

It is differentiated by the beauty in its shades, details and texture. It shapes neutral surfaces as background to the furniture and decoration of the ambience.

It decorates in a creative way the day area as the night area.

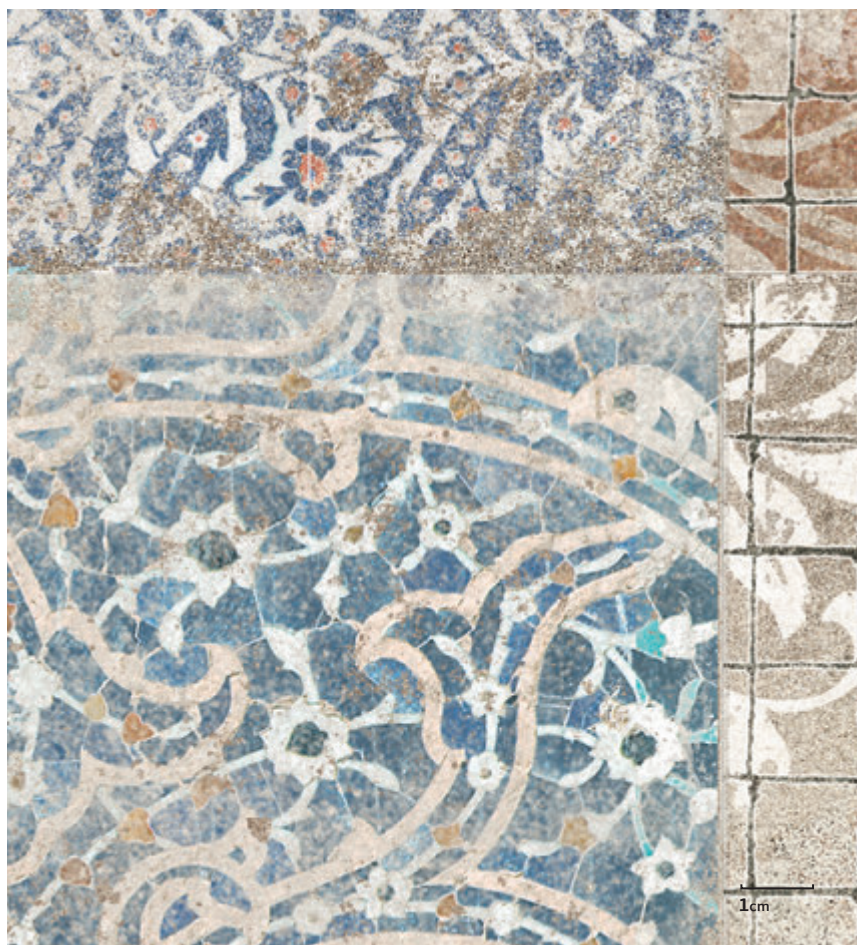
Additionally, it has a great capacity to create minimalistic and simple atmospheres. The material's aesthetic efficiency changes according to the characteristics of every collection.

BOHEMIEN	056
FORMA	066
KARZA	072
LAVIN	076
LEVANA	082
NORDIK	086
SPACE	092
TEMPER	096
TINO	100
TRUST	106












# BOHEMIEN



Bohemien is born through the perfect fusion of the landscapes from the coasts and the latest technology.

Seven different designs are built in this series. These stand out for their luminosity and patterns as the geometrical prints from the hydraulic tiles of former times. Those examples take shape in Costa and Luan designs.

As a result, a vibrant and colorful tiles of 40x40 are created.

MATERIAL	Glazed Porcelain									
TECH INFO	GP	R			M			4		
SIZES	 40x40									













40X40 MEGA BOHEMIEN









40X40 LIYA BOHEMIEN

SPANKER





BOHEMIEN 40X40 ANA









BOHEMIEN 40X40 MALTA  
40X40 MALTA DECOR



# BOHEMIEN

GLAZED PORCELAIN



NILA  
40x40



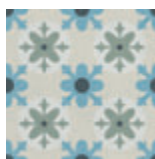
MALTA  
40x40



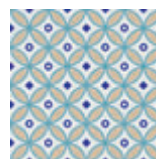
MALTA DECOR  
40x40



MEGA  
40x40



ANA  
40x40



LIYA  
40x40

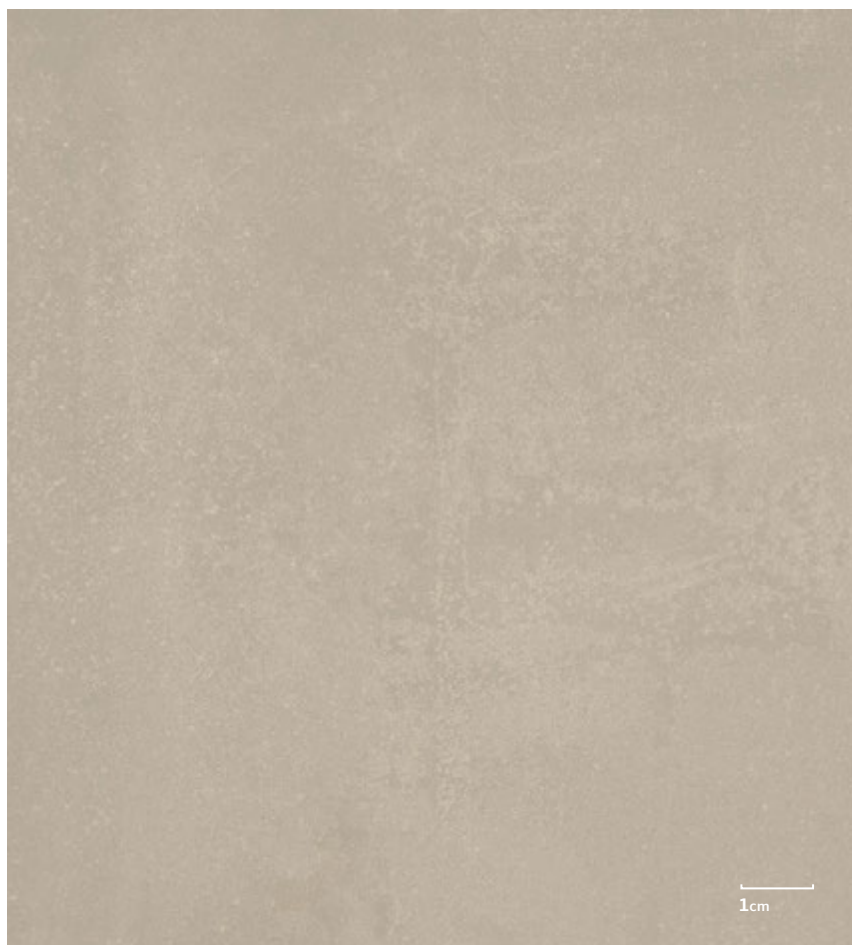


SATYA  
40x40















PEDRA  
40x40

# FORMA



Forma is inspired in the attractiveness of the uniform cement. It is subtle but exquisite with a very interesting features from the technical point of view. The existence of a wide variety of tones allows to create rooms of a great aesthetic uniformity combining harmony and pragmatism obtaining as a result minimalistic solutions and attractive proposals in interior and exteriors. Ultimately, it is a design very polyvalent and perfect for any space.

MATERIAL	Glazed Porcelain & Wall Tile									
TECH INFO	GP	R	M						4	
SIZES	<div>  120x120 100x100 </div>									
COLORS	<div>      </div>									









100X100 LIGHT FORMA









FORMA CREAM 120X120



# FORMA

GLAZED PORCELAIN



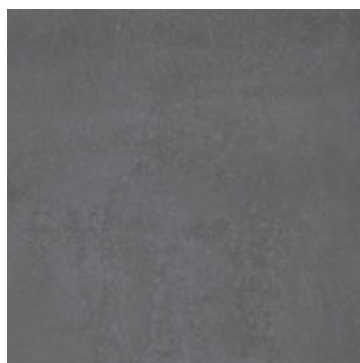
**LIGHT**  
120x120  
100x100



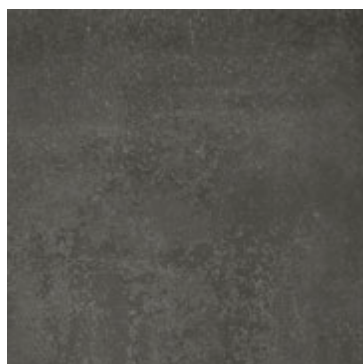
**CREAM**  
120x120  
100x100



**GREY**  
120x120  
100x100

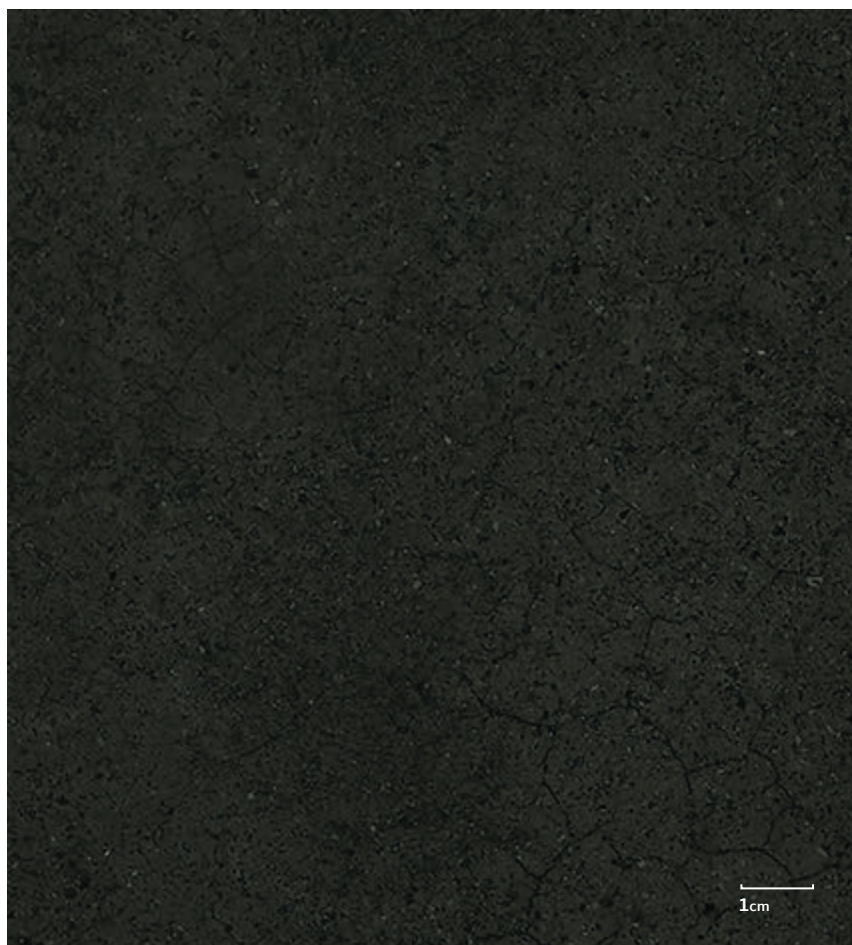


**DARKGREY**  
120x120  
100x100



**ANTHRACITE**  
120x120  
100x100

# KARZA














Karza is characterized by its elegance, timelessness and presence of matter dye in its variety of range graphics.

In addition it presents the technical advantages of the porcelain stoneware of high performance.

It can be adapted perfectly to any ambience due to the strength that the tones and finishes confer it.

It is ideal to cover pavement of high traffic areas that search for a continuity as well as visual impact, reflecting the essence of this material of industrial nature.

MATERIAL	Glazed Porcelain & Wall Tile										
TECH INFO	<div>GP</div>	<div>CB</div>	<div>R</div>	<div>M</div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div>4</div>	<div></div>
SIZES	<div></div> <div>80x160 60x120</div>		<div></div> <div>120x120 100x100</div>								
COLORS	<div></div> <div></div> <div></div>										





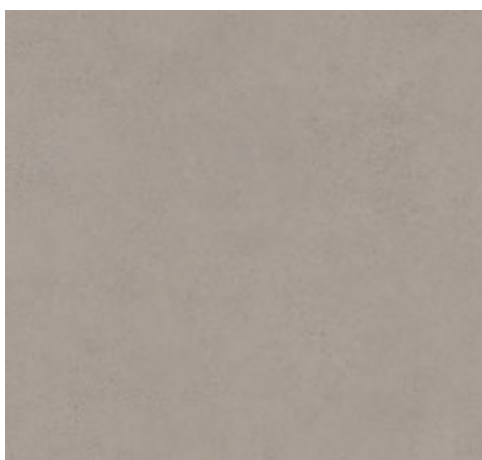


KARZA 120X120 GREY

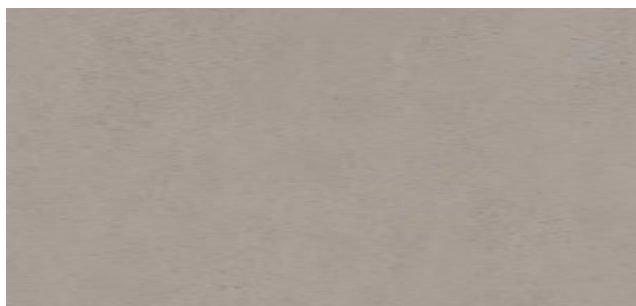


# KARZA

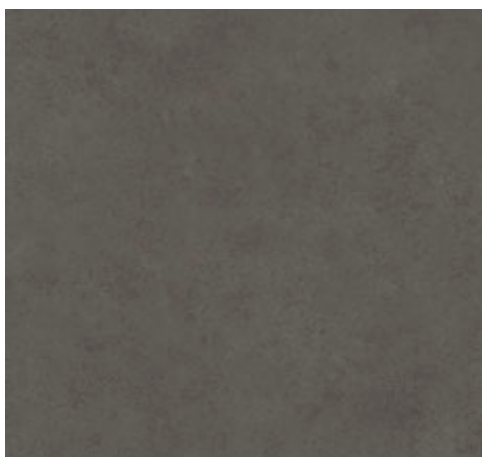
GLAZED PORCELAIN



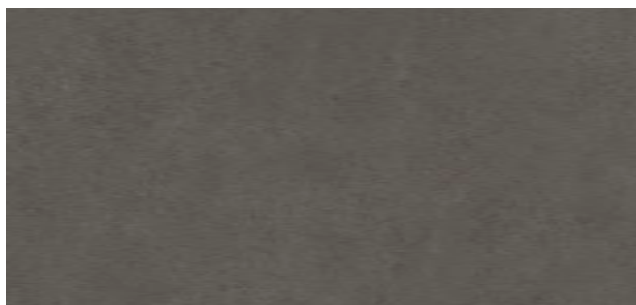
**SAND**  
120x120  
100x100



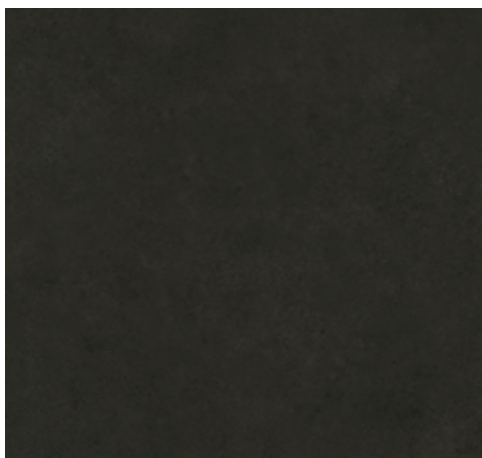
**SAND**  
80x160  
60x120



**GREY**  
120x120  
100x100



**GREY**  
80x160  
60x120



**ANTHRACITE**  
120x120  
100x100



**ANTHRACITE**  
80x160  
60x120

















# LAVIN



Lavin is designed based on the characteristics of cement and stone. The forms and details of the stone and the compaction of the cement can be appreciated.

It comes in three colours, beige, light gray and dark gray for both wall and floor tiles, on a textured base, a relief in the form of small columns and a very linear mosaic. Noteworthy is the decoration on the base with a geometric drawing with a worn effect.

A very complete collection with a granite texture that brings sophistication and personality to any environment.

MATERIAL	Wall Tile								
TECH INFO									
SIZES		40x40		40x120					
COLORS									





40X40 DARKGREY MOSAIC LAVIN  
40X40 LIGHTGREY







40X120 DARKGREY LAVIN  
40X120 DARKGREY NARO





LAVIN 40X120 DECOR  
40X120 BEIGE



# LAVIN

## WALL TILE & FLOOR TILE COMBINATION



BEIGE  
40x120



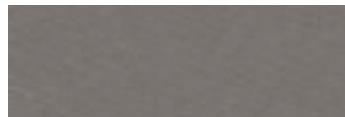
BEIGE NARO  
40x120



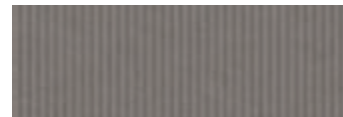
LIGHTGREY  
40x120



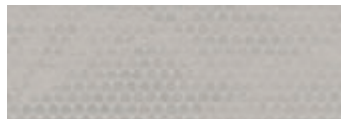
LIGHTGREY NARO  
40x120



DARKGREY  
40x120



DARKGREY NARO  
40x120



DECOR  
40x120



BEIGE  
MOSAIC  
40x40



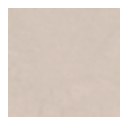
LIGHTGREY  
MOSAIC  
40x40



DARKGREY  
MOSAIC  
40x40

GOLD PERFIT  
0,6x90

SILVER PERFIT  
0,6x90



BEIGE  
40x40

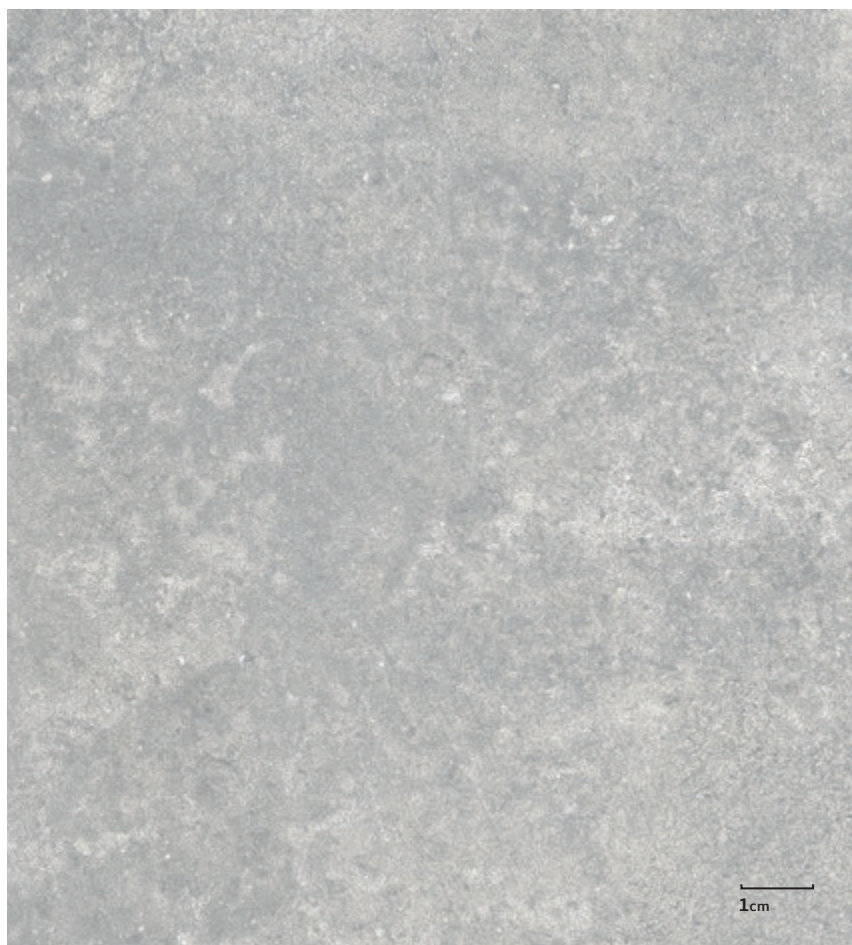


LIGHTGREY  
40x40



DARKGREY  
40x40

# LEVANA



Levana is a simple bet as well as sophisticated, creating an ideal balance between art and design, between tradition and modernity, due to the timelessness and the charm of the cement.

It is a perfect collection for exterior pavement as a result of its properties of non-slip and de-icing that is also excellent for interior for the elegance that it contributes to the places where it is installed.

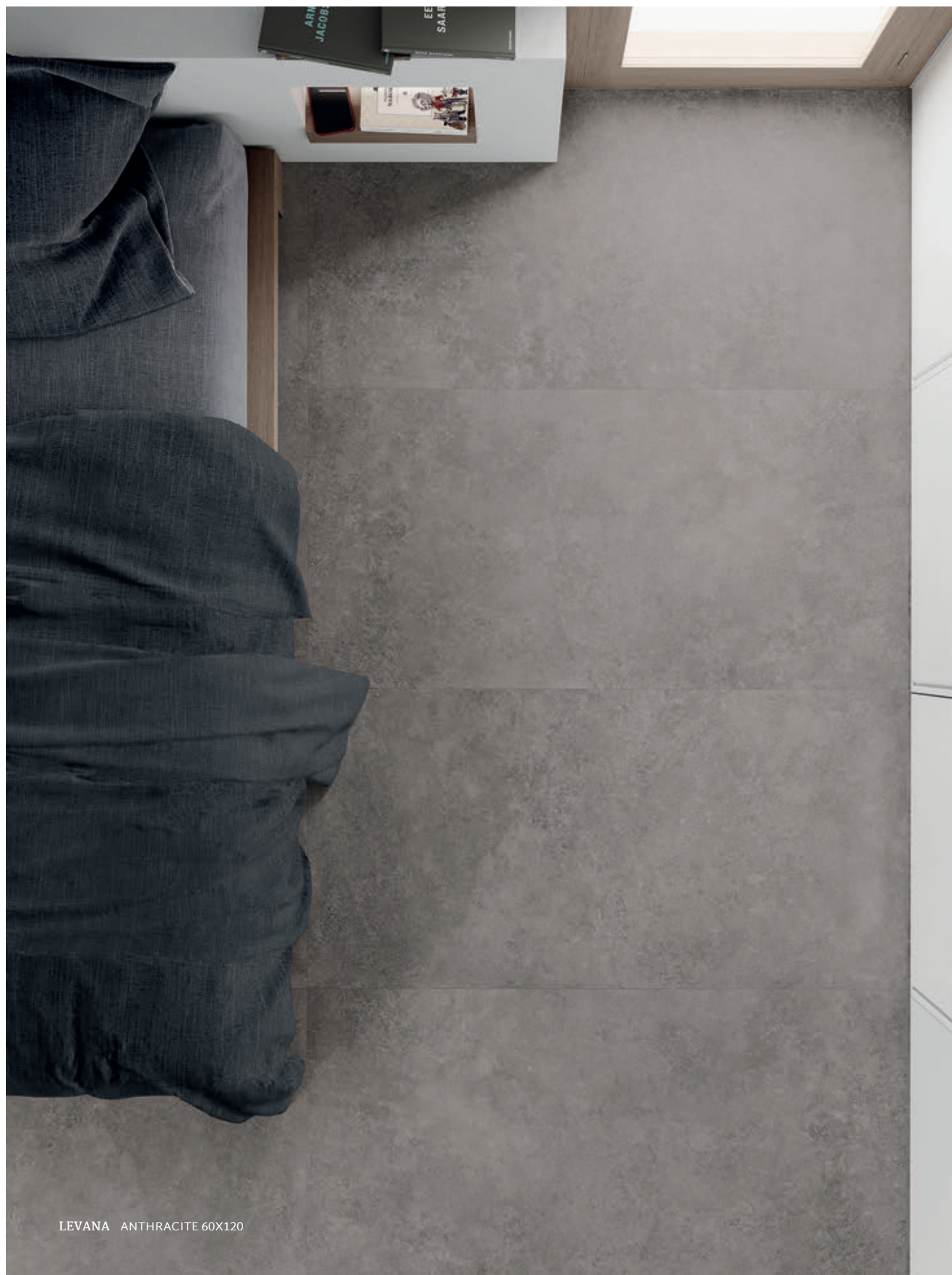
The chromatic shade in which it is produced is wide, as well as the variety of formats in matt in which it is manufactured.

MATERIAL	Glazed Porcelain & Wall Tile									
TECH INFO	<div>GP</div>	<div>R</div>	<div>M</div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div>4</div>	<div></div>
SIZES	<div></div> <div>80x160 60x120</div>		<div></div> <div>100x100 60x60</div>							
COLORS	<div></div>	<div></div>	<div></div>	<div></div>						







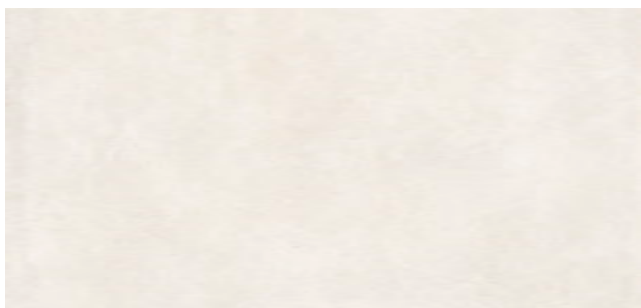


LEVANA ANTHRACITE 60X120

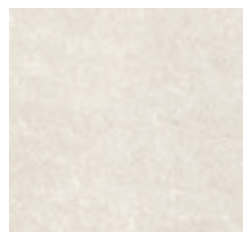


# LEVANA

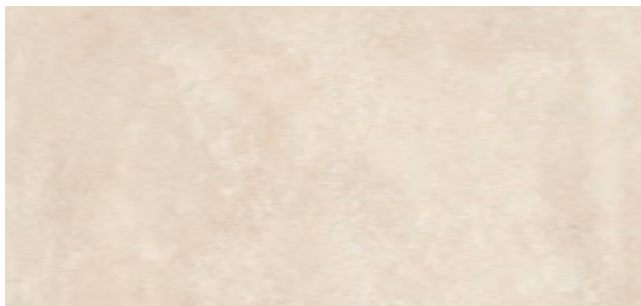
GLAZED PORCELAIN



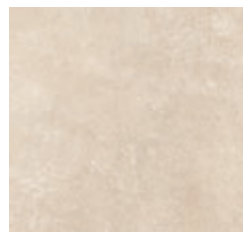
**IVORY**  
80x160  
60x120



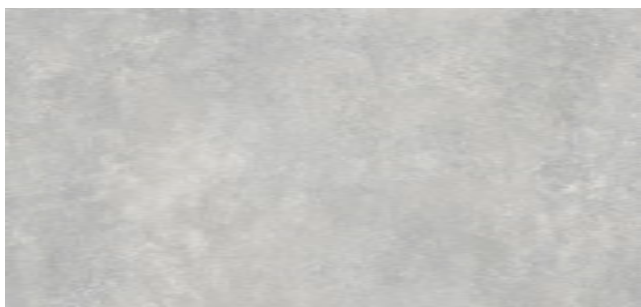
**IVORY**  
100x100  
60x60



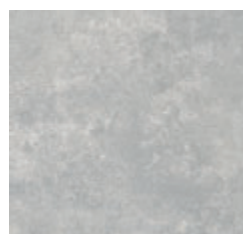
**CREAM**  
80x160  
60x120



**CREAM**  
100x100  
60x60



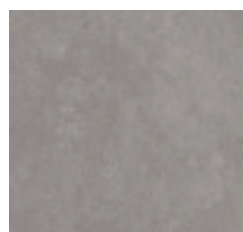
**GREY**  
80x160  
60x120



**GREY**  
100x100  
60x60

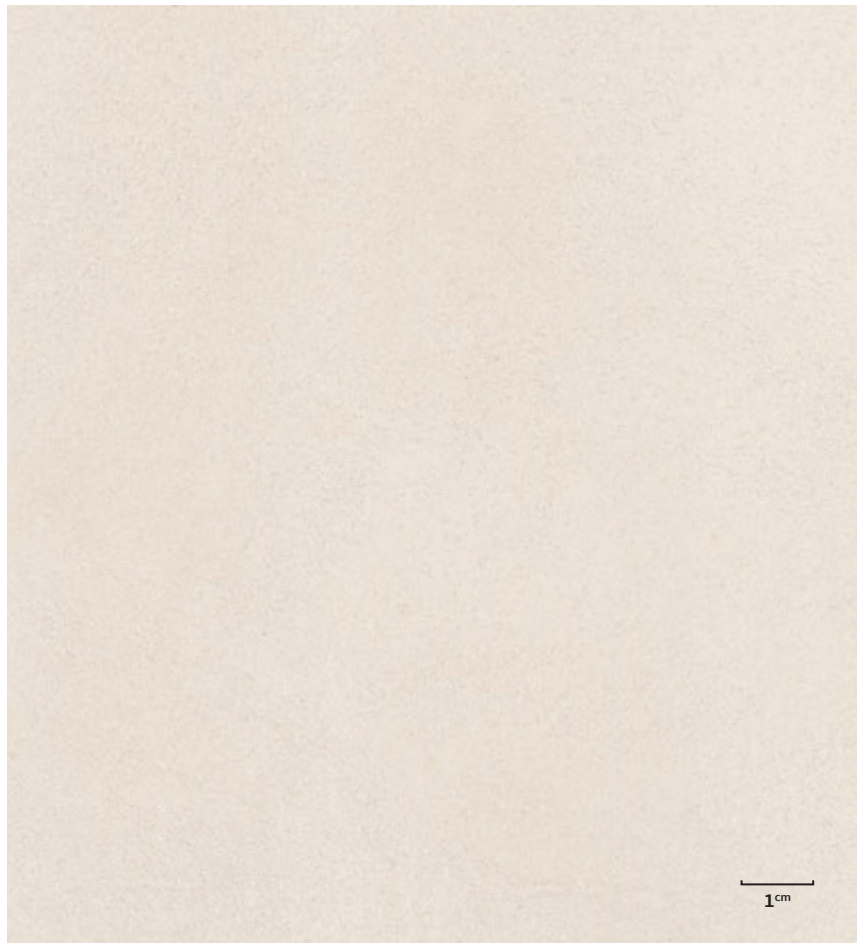


**ANTHRACITE**  
80x160  
60x120



**ANTHRACITE**  
100x100  
60x60

# NORDIK



Nordik is a kind of a visual interaction inspired in different materials to present a daring piece but with a versatile design in its use as much in interiors as in exteriors. Its pieces are full of shades through the different textures, from the subtlety of the limestone from the Loire Valley in France, to the texture of the natural cement and theft gradations that provide references to the terracotta. Its decoration pieces both in 40x120 and mosaics will allow infinite combinations, making nordik the perfect collection for the most creative architecture. A set with a captivating result, exquisite and completely unique.

MATERIAL

Wall Tile

TECH INFO



SIZES



COLORS







NORDIK 40X120 LIGHT STRIPES





NORDIK 40X120 CREAM BRUSHED







NORDIK 40X120 GREY DUBEL  
40X120 GREY BRUSHED  
40X40 LIGHT



# NORDIK

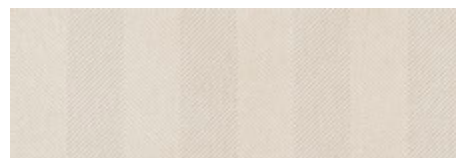
WALL TILE & FLOOR TILE COMBINATION



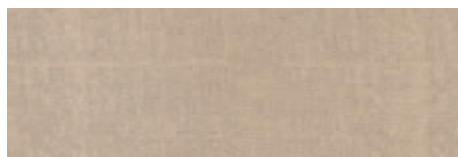
**LIGHT BRUSHED**  
40x120



**LIGHT STRIPES**  
40x120



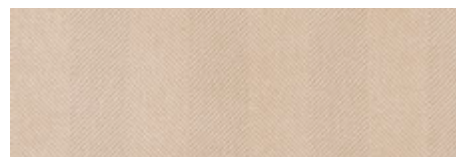
**LIGHT DUBEL**  
40x120



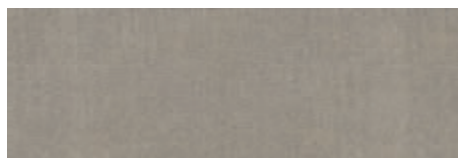
**CREAM BRUSHED**  
40x120



**CREAM STRIPES**  
40x120



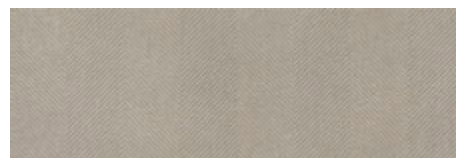
**CREAM DUBEL**  
40x120



**GREY BRUSHED**  
40x120



**GREY STRIPES**  
40x120



**GREY DUBEL**  
40x120



**STRIPES DECOR**  
40x120



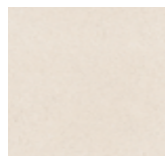
**LIGHT MOSAIC**  
30x30



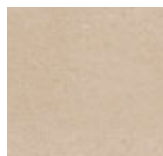
**CREAM MOSAIC**  
30x30



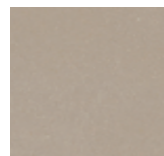
**GREY MOSAIC**  
30x30



**LIGHT**  
40x40



**CREAM**  
40x40



**GREY**  
40x40













# SPACE



Space originates from the limestone with a nordic touch, starting from the range of colour in which it is presented.

It characterizes by its nuances, details and texture. The presence of a wide range of colours offers the possibility of creating a space with impeccable aesthetics.

This floor tile collection is ideal for contemporary interiors which simplicity provides uniformity to the space. These pieces are captivating, with a sublime and completely unique finish.

MATERIAL	Glazed Porcelain & Wall Tile							
TECH INFO	GP	R			M			4
								
SIZES		80x160 60x120		120x120 100x100 60x60				
COLORS								





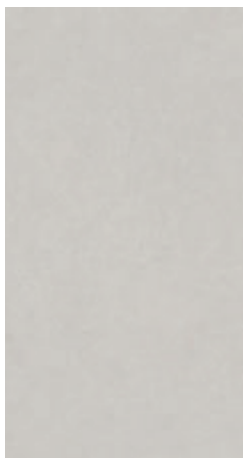




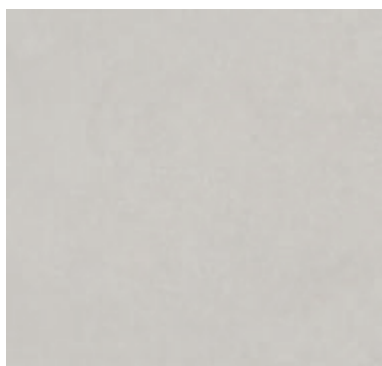


# SPACE

GLAZED PORCELAIN



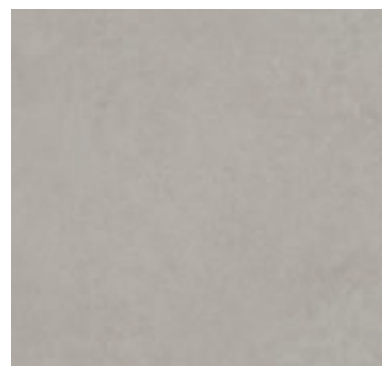
**LIGHT**  
80x160  
60x120



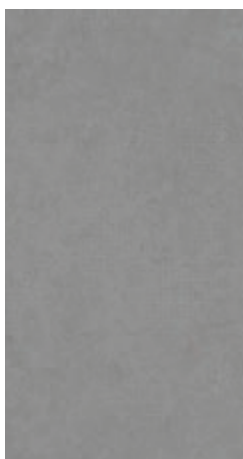
**LIGHT**  
120x120  
100x100



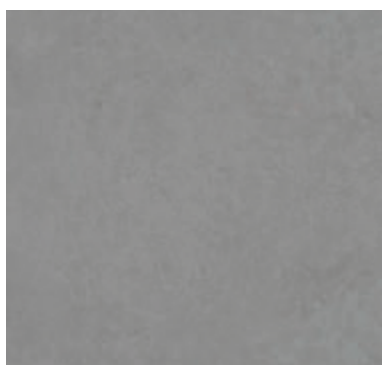
**BEIGE**  
80x160  
60x120



**BEIGE**  
120x120  
100x100



**GREY**  
80x160  
60x120



**GREY**  
120x120  
100x100



**ANTHRACITE**  
80x160  
60x120



**ANTHRACITE**  
120x120  
100x100



**BEIGE(20mm)**  
60x60



**GREY(20mm)**  
60x60














# TEMPER



Temper is born from the timelessness and beauty of concrete surfaces. It is characterized by its nuances, details and texture that confer a unique character to the collection.

It reinterprets faithfully the characteristic cement strokes. It is available in two excellent colours: Grey and Antracite, which make the ambiances look spectacular and minimalistic.

MATERIAL	Glazed Porcelain & Wall Tile										
TECH INFO	GP	R			M	L	CB			4	
SIZES			80x160 60x120				100x100 60x60				
COLORS	   										





100X100 BEIGE TEMPER

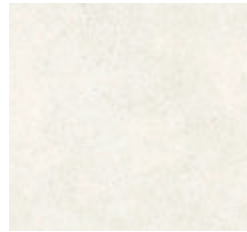


TEMPER 80X160 ANTHRACITE



# TEMPER

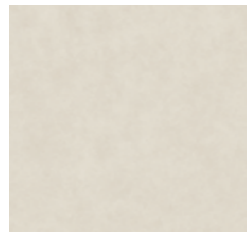
GLAZED PORCELAIN



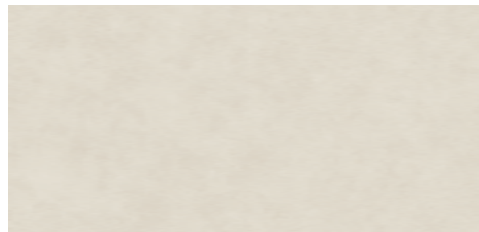
**BONE**  
100x100



**BONE**  
80x160  
60x120



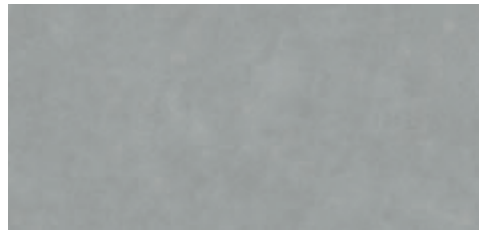
**BEIGE**  
100x100  
60x60



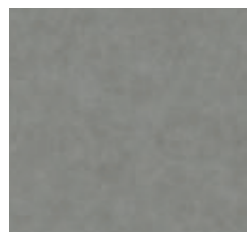
**BEIGE**  
80x160  
60x120



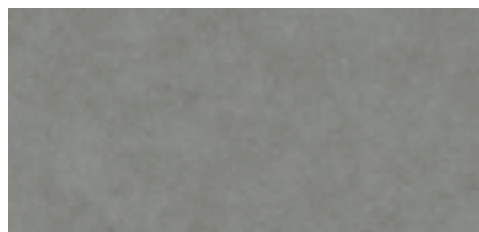
**GREY**  
100x100  
60x60



**GREY**  
80x160  
60x120



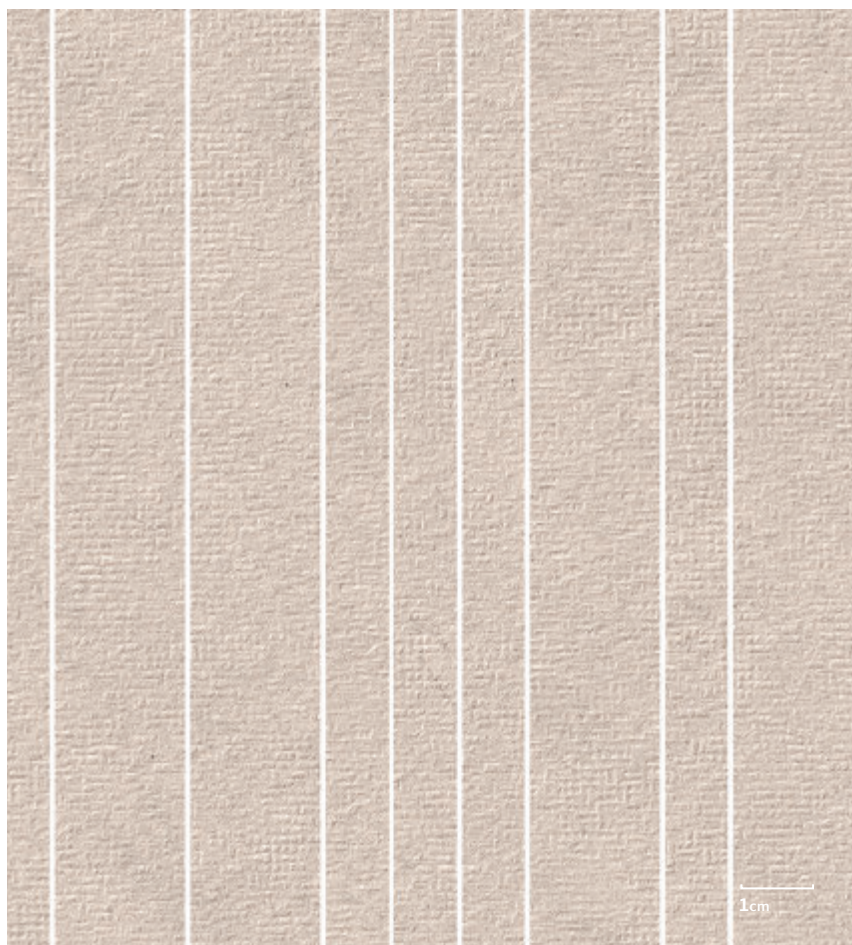
**ANTHRACITE**  
100x100  
60x60



**ANTHRACITE**  
80x160  
60x120












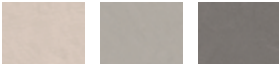
# TINO



Tino is designed based on the characteristics of cement and stone. The forms and details of the stone and the compaction of the cement can be appreciated. On the other hand, this design is made up of a very homogeneous graphic with a granite texture that gives it great personality.

It is made up of three colors for both floor and wall tile.

A very complete collection that ranges from the textured base, a Naro XL relief, a mosaic inclined at a certain angle that gives directionality to the design, and finally, an abstract decoration with warm shapes that add elegance and dynamism to any environment.

MATERIAL	Wall Tile									
TECH INFO	<div>WB</div>	<div>R</div>	<div></div>	<div>M</div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
SIZES	<div></div> <div>40x40</div>		<div></div> <div>40x120</div>							
COLORS	<div></div>									













40X120 LIGHTGREY NARO XL TINO

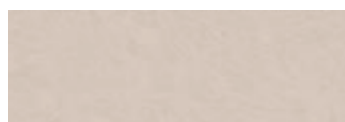






# TINO

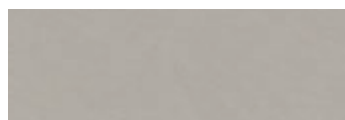
## WALL TILE & FLOOR TILE COMBINATION



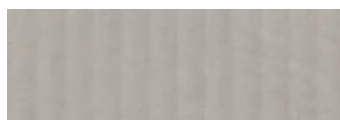
**BEIGE**  
40x120



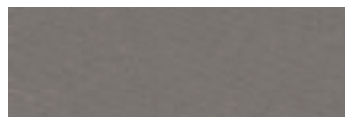
**BEIGE NARO XL**  
40x120



**LIGHTGREY**  
40x120



**LIGHTGREY NARO XL**  
40x120



**DARKGREY**  
40x120



**DARKGREY NARO XL**  
40x120



**DECOR**  
40x120



**BEIGE  
MOSAIC**  
30x30



**LIGHTGREY  
MOSAIC**  
30x30



**DARKGREY  
MOSAIC**  
30x30

### GOLD PERFIT

0,6x90

### SILVER PERFIT

0,6x90



**BEIGE**  
40x40



**LIGHTGREY**  
40x40



**DARKGREY**  
40x40












# TRUST



Trust takes as reference the cement matrixes and reinterpret it from a more contemporary perspective.

A purified and natural proposal in the big size 40x120 for wall tile combined with the 40x40 in the floor, adapting perfectly to the different areas from a home.

Floor and wall tiles combined in between with a fresh and simple chromatic range with a refined and informal touch.

MATERIAL	Wall Tile								
TECH INFO	<div>WB</div>	<div>R</div>	<div></div>	<div>M</div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
SIZES	<div></div>	40x40	<div></div>	40x120					
COLORS	<div></div>	<div></div>	<div></div>						











ride the bike tips and tricks

40X120 ARAZZO TRUST





TRUST 40X120 IVORY



# TRUST

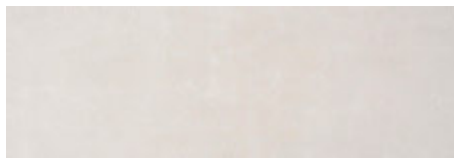
## WALL TILE & FLOOR TILE COMBINATION



**WHITE**  
40x120



**WHITE VENICE**  
40x120



**IVORY**  
40x120



**IVORY VENICE**  
40x120



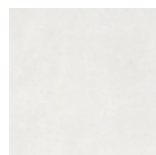
**GREY**  
40x120



**GREY VENICE**  
40x120



**ARAZZO**  
40x120



**WHITE**  
40x40



**GREY**  
40x40

# WOOD

## MATERIAL COLLECTIONS

Wood is essence, is matter, return to the natural world, to the origin. It has a rustic appearance, indomitable, strong and warm. It is easily distinguished by the veins, shades and fiber that characterize them.

It is a material that transmits calm and serenity, apart from conferring to the spaces a cozy touch, timeless, resistant and practical. It decors with great naturalness and elegance with a variety of colors very natural and modest available in different formats for floor tiles in interior.

Different collections proposed, some more modern and others inspired in the traditional woods worn-out, providing this warm touch that forms a home.

ARCHI	114
LEGNO	118
NOXWOOD	124
TIMEWOOD	128
WOODEN	132












# ARCHI



Archi is a porcelain stoneware collection that characterizes by a soft and natural texture in four elegant and minimalistic colours. It stands out by the harmony of its pieces due to the imperfection of the natural wood. It is presented in ideal strips for its application in interior ambiances.

MATERIAL	Glazed Porcelain									
TECH INFO	GP	R			M	20%			4	
										
SIZES	<div> <div></div> <div>20x120</div> <div>26,5x160</div> </div>									
COLORS	<div> <div></div> <div></div> <div></div> <div></div> </div>									





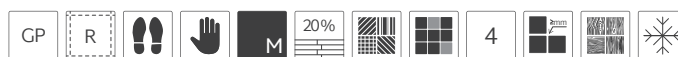






# ARCHI

GLAZED PORCELAIN



**GREY**  
26,5x160



**GREY**  
20x120



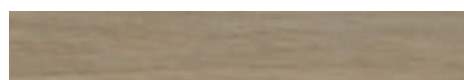
**BEIGE**  
26,5x160



**BEIGE**  
20x120



**LIGHT BROWN**  
26,5x160



**LIGHT BROWN**  
20x120



**DARK BROWN**  
26,5x160



**DARK BROWN**  
20x120

# LEGNO



Legno is the most refined wood design from the collection.  
The slats have been carefully selected so that there is no presence or knots or any other defects which exist in any natural material such as the wood.  
A range of 5 tones of this sophisticated wood is available, offering to the projects a good variety to define the spaces responding to the most demanding requests.

MATERIAL	Glazed Porcelain									
TECH INFO	<div>GP</div>	<div>R</div>	<div></div>	<div></div>	<div>M</div>	<div>20%</div>	<div></div>	<div></div>	<div>4</div>	
	<div></div>	<div></div>	<div></div>							
SIZES	<div><div></div>26,5x160 20x120</div>									
COLORS	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>













20X120 ROBLE    LEGNO





LEGNO 20X120 ASH



# LEGNO

## GLAZED PORCELAIN



WHITE  
26,5x160



WHITE  
20x120



ROBLE  
26,5x160



ROBLE  
20x120



NOGAL  
26,5x160



NOGAL  
20x120



ASH  
26,5x160



ASH  
20x120



WENGUE  
26,5x160










WENGUE  
20x120

# NOXWOOD



Noxwood is created via Nox collection. Consequently it has similar characteristics such as timelessness and versatility but in a different material design. It is perfect to combine with Nox and other stony collections.

It is available in the same four colours offered in the design for which it gets its name: Sand, Grey, Black and Taupe.

MATERIAL	Glazed Porcelain									
TECH INFO	WB	R			M	20%			4	
										
SIZES	<div></div> 20x120									
COLORS	<div><div></div><div></div><div></div><div></div><div></div></div>									







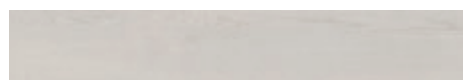


NOXWOOD 20X120 MOKA

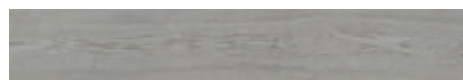


# NOXWOOD

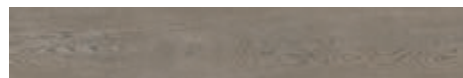
GLAZED PORCELAIN



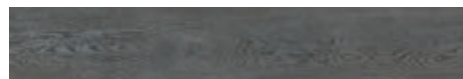
**BLANCO**  
20x120



**LIGHT GREY**  
20x120



**MOKA**  
20x120



**BLACK**  
20x120












**CANELLA**  
20x120

# TIMWOOD



Timewood is perhaps the most noteworthy design amongst Spinkier products, following the trends of industrial looks and vintage decorations. Its 2 colors offer a strong shade variation. In combination with its generous number of faces make Timewood a rich and strong look that will stand out in any setting. It is presented in 20x120 size and a matt, natural surface.

MATERIAL	Glazed Porcelain									
TECH INFO	WB	R			M	20%			4	
										
SIZES	<div><div></div>20x120</div>									
COLORS	<div></div>									







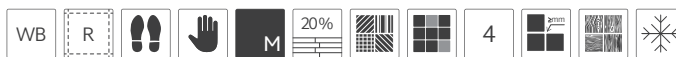


TIMEWOOD 20X120 NATURE



# TIMEWOOD

GLAZED PORCELAIN



**NATURE**

20x120



**GREY**

20x120














# WOODEN



Wooden is born from the incredible essence of the oak woods and its carefully brushed surface.

A design with a delicate interpretation from the wood's knots with a matt silky finish that grant, as a result, an harmonic and refined aspect.

A collection composed of 6 natural colors with large formats as 20x120 centimeters and 26,5x160 cm with a wide aesthetic and creative possibilities.

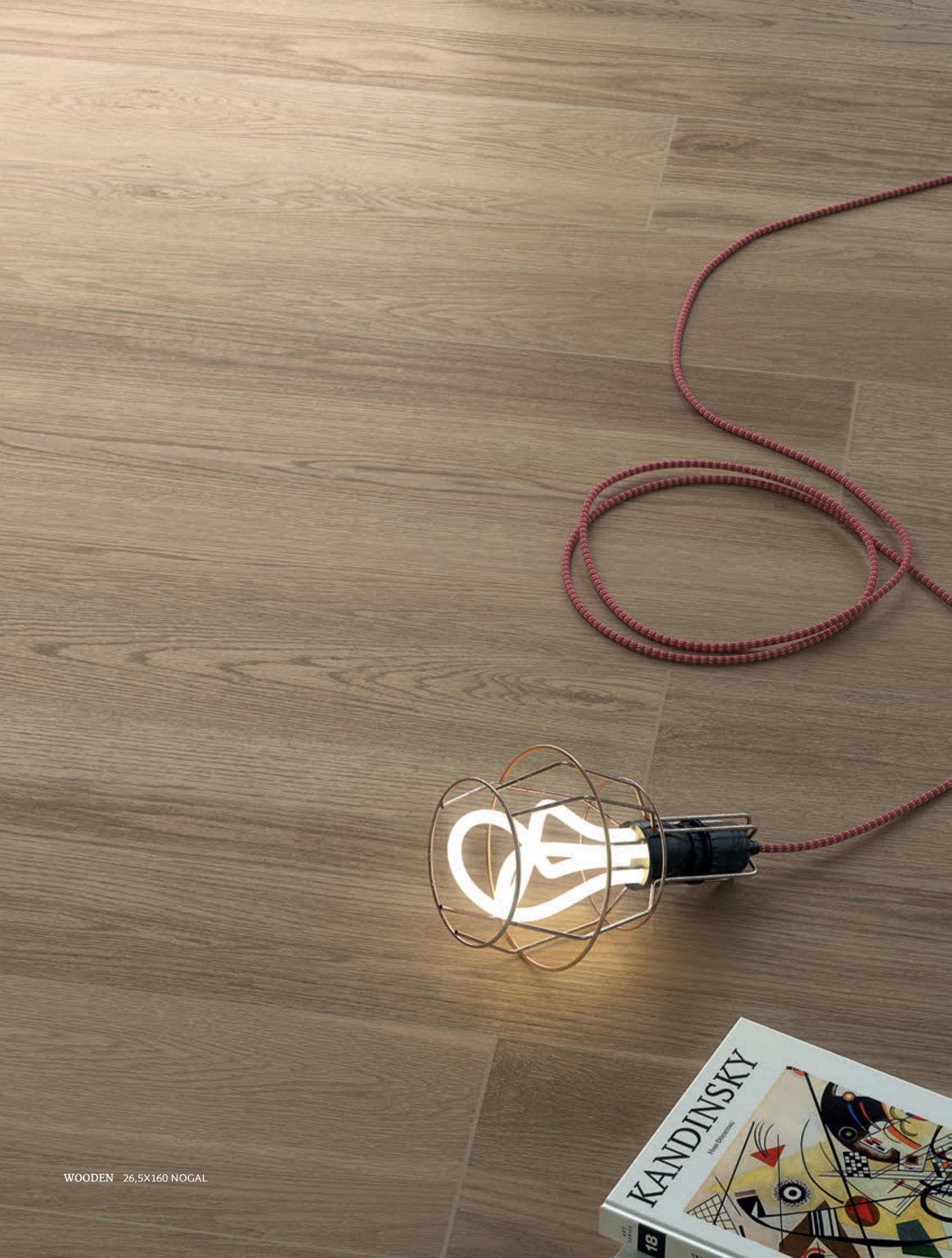
MATERIAL	Glazed Porcelain									
TECH INFO	WB	R			M	20%			4	
										
SIZES	<div><div></div>20x120 26,5x160</div>									
COLORS										





26,5X160 CANELLA WOODEN









26,5X160 WHITE WOODEN



WOODEN 26,5X160 BROWN



# WOODEN

## GLAZED PORCELAIN



WHITE  
26,5x160



WHITE  
20x120



SAND  
26,5x160



SAND  
20x120



CANELLA  
26,5x160



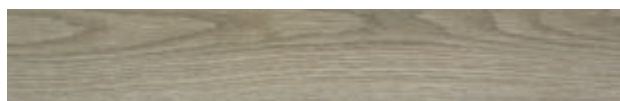
CANELLA  
20x120



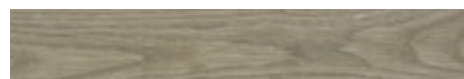
NOGAL  
26,5x160



NOGAL  
20x120



ASH  
26,5x160



ASH  
20x120



BROWN  
26,5x160



BROWN  
20x120

# MARBLE

## MATERIAL COLLECTIONS

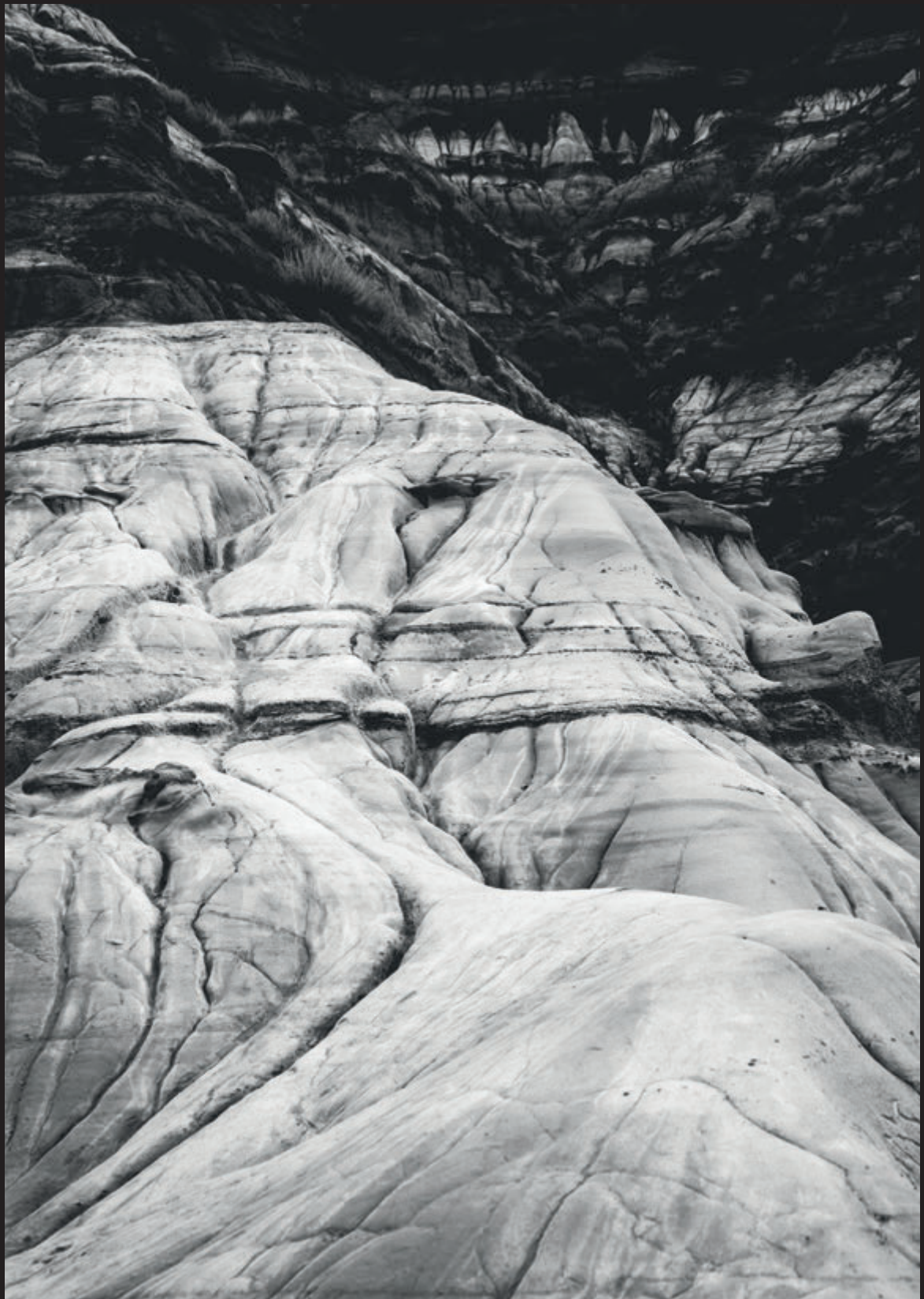
Marble is synonym to beauty and natural elegance. Often characterized by its grains and contrasts between its shades and enriched by the unpredictable of its veins.

It is a luxurious, sophisticated, timeless, refined and rich in appearance material that changes according to the quarry of origin.

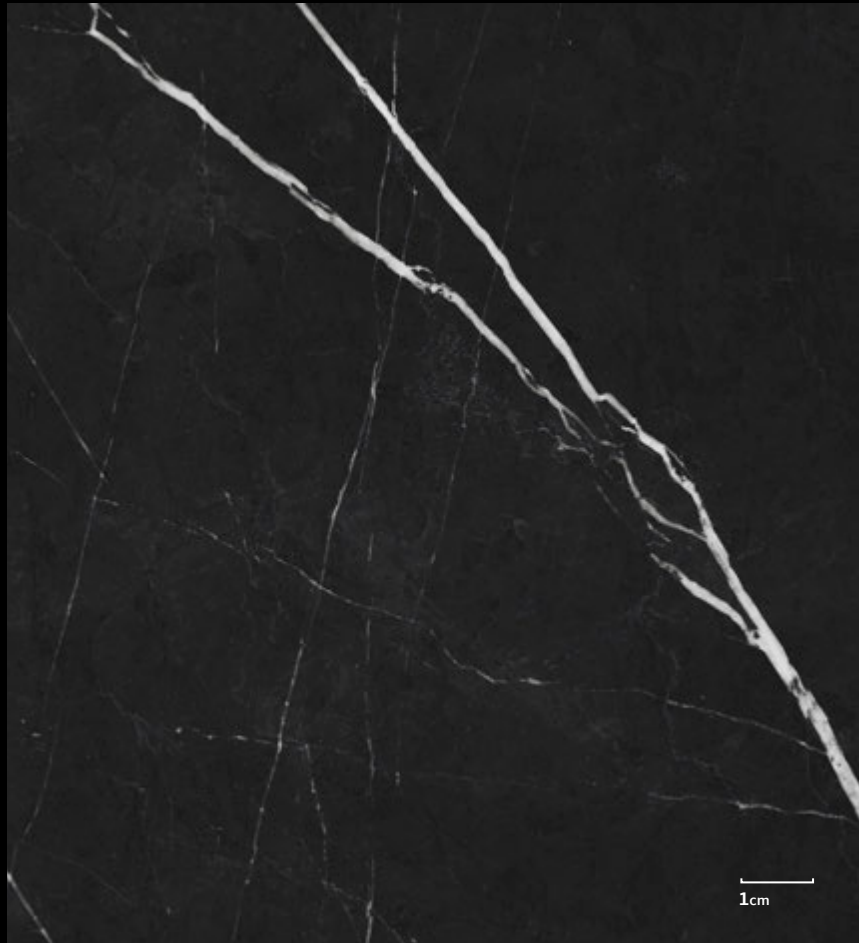
The reproductions that are realized of this material evoke its charms and its details in a refined and precise way making them a choice as good as the original material with the indisputable features of the ceramics. The resistance, impermeability of water, the stains, the cleaning facility and the maintenance of this collections make them the best option to cover the most elegant spaces.

CHARM	140
KAMEN	144
MARTA	150
WARP	154









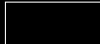




# CHARM



Charm is a reinterpretation of the marble with a strong character, very marked veins and a duality between black and white.

Pieces for floors with an appeal for modernity and spaces of immense singularity. It is a collection which is going to be the center of the place where it will be placed.

MATERIAL	Glazed Porcelain									
TECH INFO	GP	R			HG				2	
SIZES			80x160 60x120				120x120 100x100			
COLORS										



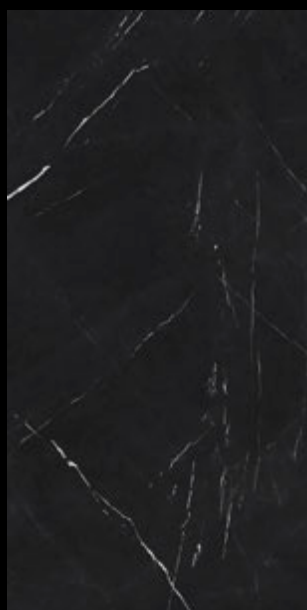






# CHARM

GLAZED PORCELAIN

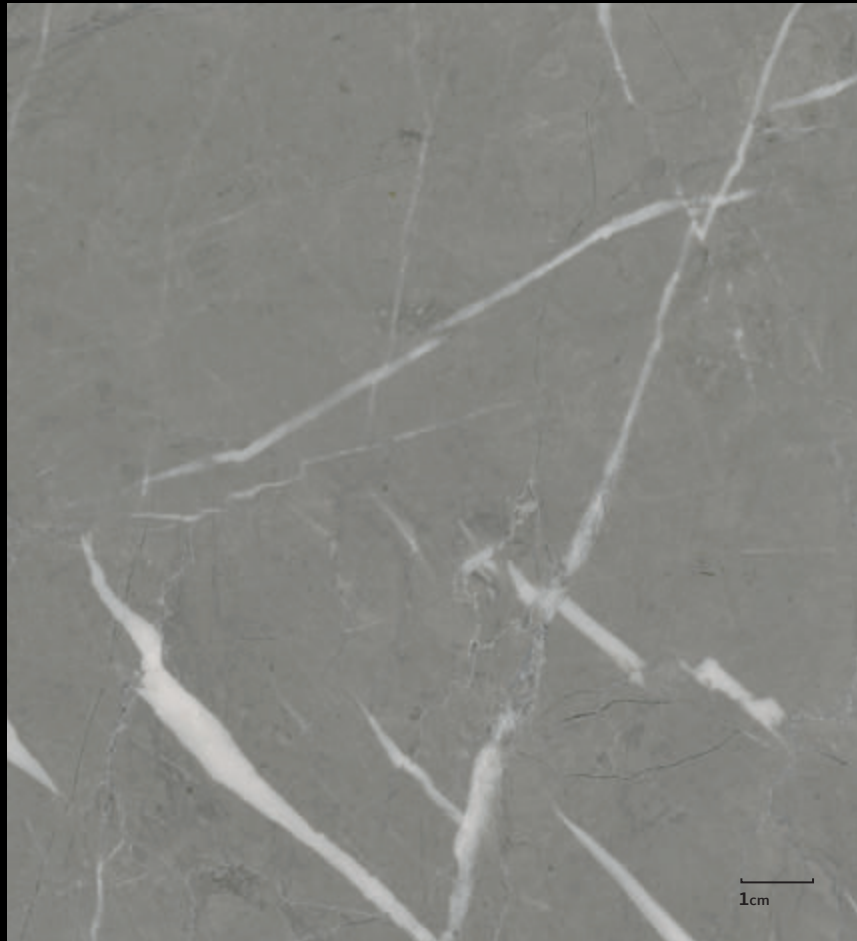


BLACK  
80x160  
60x120



BLACK  
120x120  
100x100

# KAMEN













Kamen represents the purity of the marble, equipping the pieces with a sophisticated touch.

It is a design that is inspired in the marble as material of design united to the land and nature, to the light and absence of it.

The grains and shades have been carefully treated to highlight the personality of the matter. The white veins provide Kamen with light and essential strength.

The result is a very versatile design that provides a high delicacy to the spaces where it is placed.

MATERIAL	Glazed Porcelain						
TECH INFO	GP	R			M	HG	
	2	4					
SIZES	 80x160 60x120		 120x120 100x100				
COLORS							





80X160 ANTHRACITE KAMEN  
80X160 WHITE



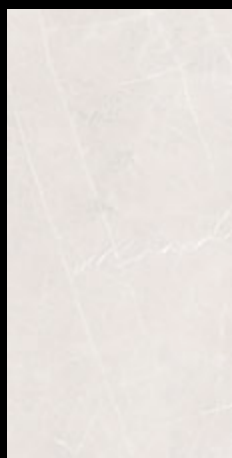
KAMEN 100X100 CREAM





# KAMEN

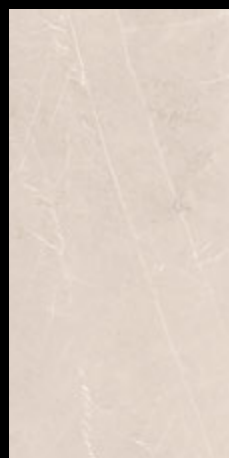
GLAZED PORCELAIN



WHITE  
80x160  
60x120



WHITE  
120x120  
100x100



CREAM  
80x160  
60x120



CREAM  
120x120  
100x100



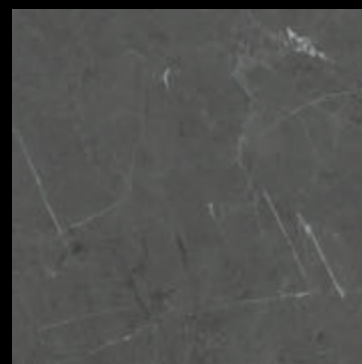
SAND  
80x160  
60x120



SAND  
120x120  
100x100



ANTHRACITE  
80x160  
60x120

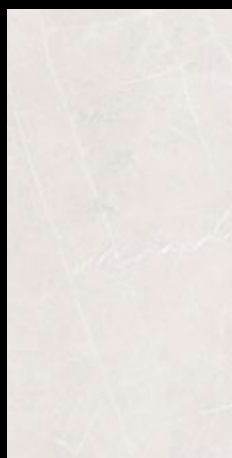


ANTHRACITE  
120x120  
100x100



# KAMEN

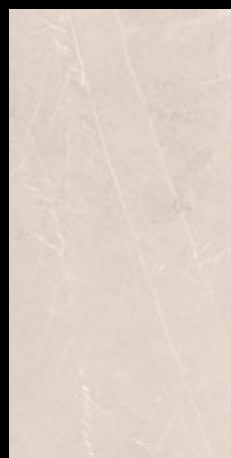
GLAZED PORCELAIN



WHITE  
80x160  
60x120



WHITE  
120x120  
100x100



CREAM  
80x160  
60x120



CREAM  
120x120  
100x100



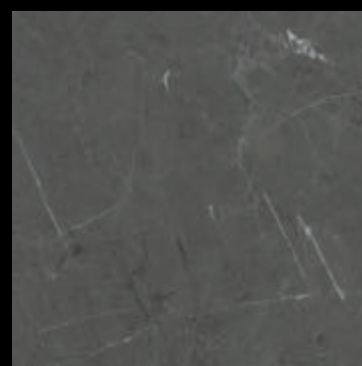
SAND  
80x160  
60x120



SAND  
120x120  
100x100

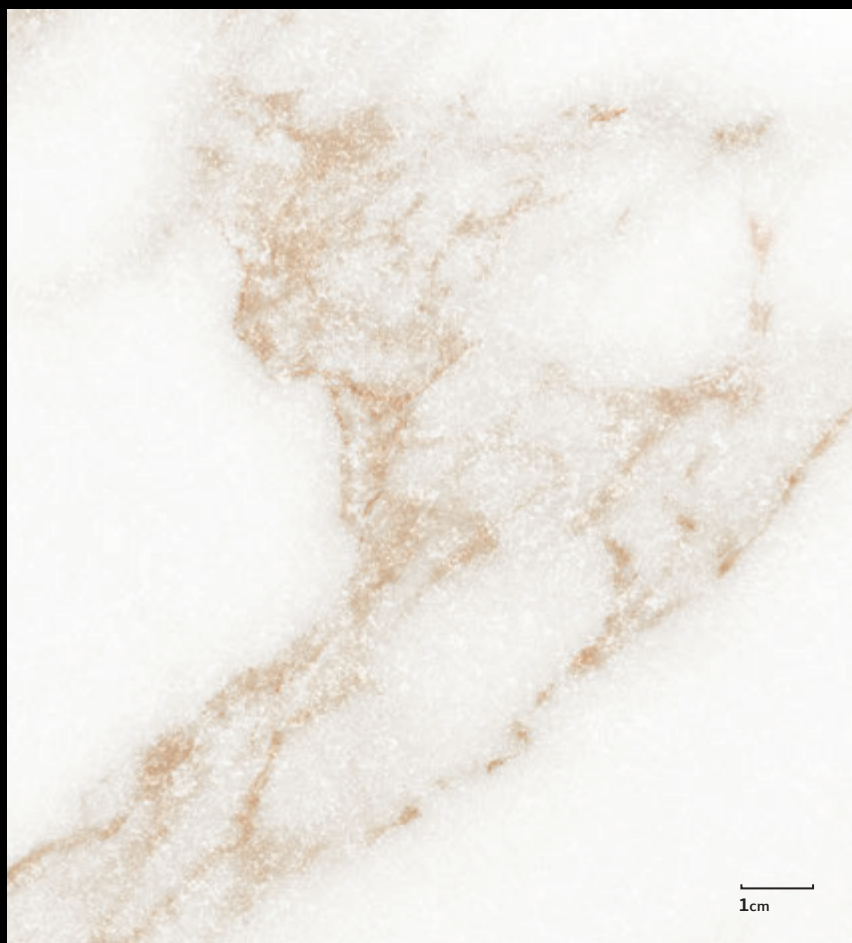


ANTHRACITE  
80x160  
60x120



ANTHRACITE  
120x120  
100x100

# MARTA



Marta comes from the virtue and beauty of the marble. This design earns modernity and practicality thanks to the technical porcelain tile. Furthermore, it stands out for white cool hues of gold blended in a distinguished and exquisite tonal veins. Ideal for any space which wants to convey subtlety, simplicity and delicacy.


MATERIAL


Glazed Porcelain


TECH INFO


GP


R







HG







3mm

2




SIZES

80x160

120x120

COLORS







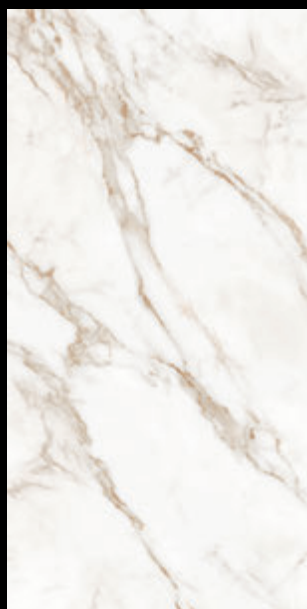


MARTA 80X160 WHITE

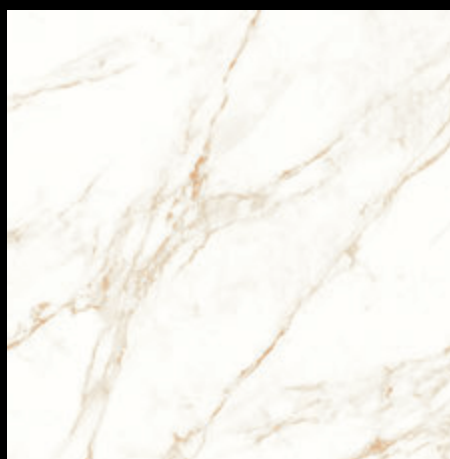


# MARTA

GLAZED PORCELAIN

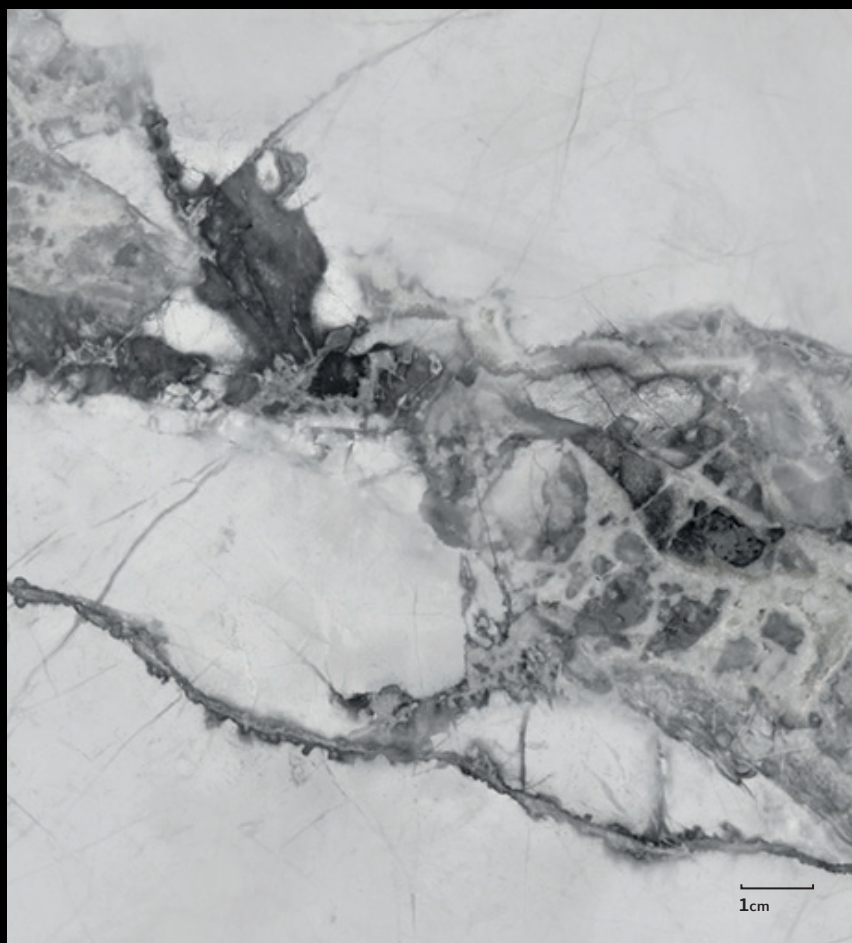


WHITE  
80x160











WHITE  
120x120

# WARP



Warp emerges from the beauty of marble. It conjugates the perfection of luxury and refinement, consisted with the recent decorative trends.

This design is one of the series with most personality of Spainker. That is because of the formats in which it is available. A big one of 80x160 and "bookmatch". The second one becomes especially noticeable during the installation, due to the symmetry between peaces. Furthermore, Warp is also characterized by its polished finished plus the stains and veins of different richness and intensity.

MATERIAL	Glazed Porcelain										
TECH INFO	GP	R			M	HG				2	
SIZES	<div>  80x160 </div>										
COLORS											





80X160 GLOSSY POLISH WARP  
80X160 BOOKMATCH GLOSSY POLISH



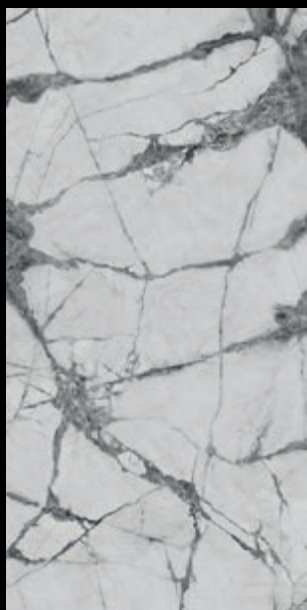


WARP 80X160 MATT

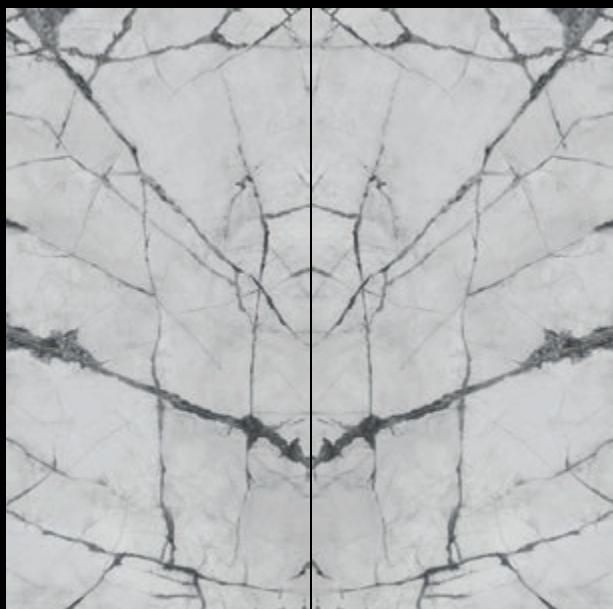


# WARP

GLAZED PORCELAIN



WARP  
80x160



WARP BOOKMATCH  
80x160

# TECHS AND SPECS

SYMBOLLOGY	296
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GENERAL SPECIFICATIONS	300





# SYMBOLGY

## ICONS AND ABBREVIATIONS



GLAZED PORCELAIN



WHITE BODY



COLOR BODY



RECTIFIED



MATT



HONED



NATURAL



LAPATO



POLISHED



GLOSSY



GLOSSY POLISHED



WALL TILE



FLOOR TILE



HEAVY STRUCTURE



LIGHT STRUCTURE



V0  
VERY UNIFORM SHADE



V1  
UNIFORM SHADE



V2  
SLIGHT VARIATION



V3  
MODERATE VARIATION



V4  
SUBSTANTIAL VARIATION



PEI II - LIGHT WEAR



PEI III - AVERAGE WEAR



PEI IV - HIGH WEAR



PEI V - VERY HIGH WEAR



ANTISLIP



MODULARITY



DIGITAL PRINT



MOSAIC



SPACER



FROST RESISTANCE



RIGHT LAYING



MULTI FACE



# PACKAGING

## LIST

Size(cm)	Nominal Size(mm)	Working Size(mm)	Water Absorption	Thickness(mm)	Pieces/Box	Sqm/Box
60×150	600×1500	600×1500	Blla	12	1	0.9
100×100	1000×1000	100×100	Bla	10	2	2
60×120	600×1200	600×1200	Bla	10	2	1.44
60×120 H/T	600×1200	600×1200	Bla	20	1	0.72
80×160	800×1600	800×1600	Bla	12.3	1	1.28
26.5×160	265×1600	261×1601	Bla	12.3	3	1.26
60×60 H/T	600×600	600×600	Bla	20	2	0.72
60×60	600×600	600×600	Bla	8	5	1.8
40×40	400×400	400×400	Bla	8	10	1.6
40×40H/T	400×400	400×400	Bla	16	5	0.8
80×80	800×800	801×801	Bla	10.6	3	1.92
20×120	195×1195	194×1194	Blla	11.6	5	1.16
30×60	300×600	300×600	Blla	10	6	1.08
30×90	300×900	300×900	Blla	11	4	1.08
40×120	400×1200	400×1200	Blla	11.7	3	1.44
30×30	300×300	300×300	Bla	9.5	15	1.35

Size(cm)	Kg/Box	Box/Pack	Boxes/Pallet	Sqm/Pallet	Kg/Pallet	Pallet size	Pallet Height (cm)
60×150	26	3	42	37.8	1100	75x156	101
100×100	45.5	2	24	48	1150	115x133	114
60×120	31.5	3	60	86.4	1915	110×110	135
60×120 H/T	31	3	60	43.2	1890	110×110	135
80×160	36.5	1	45	57.6	1680	95x166	104
26.5×160	35	3	48	60.48	1740	95x166	92
60×60 H/T	31.5	2	32	23.04	1050	110×110	75
60×60	31	5	32	57.6	1050	110×110	75
40×40	30	1	48	76.8	1480	110×110	95
40×40 H/T	28.5	1	48	38.4	1370	100×100	95
80×80	43.6	3	24	46.08	1090	110×110	94
20×120	28	5	48	55.68	1420	115x133	75
30×60	23.7	6	72	77.76	1750	110×110	104
30×90	24.9	4	54	58.32	1350	100×100	105
40×120	36	3	60	86.4	2100	110×110	135
30×30	26.6	1	54	72.9	1470	100×100	104

# TECHNICAL FEATURES

## INTERNATIONAL STANDARDS

### PHYSICAL PROPERTY

SPECIFICATION / DESCRIPTION OF TEST		STANDARD NUMBER	GROUP. WATER ABSORTION BIB		GROUP. WATER ABSORTION BIIA		GROUP. WATER ABSORTION BIA (wall tile)	
			std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria
water absorption (%)		ISO10545-3	0.5% < Eb <= 3%	0.5% < Eb < 3%	3% < Eb <= 6.1%	3% < Eb < 6%	<= 0,5% Individual Max 0,6%	<= 0,5% Individual Max 0,6%
Modulus of rupture (N/mm <sup>2</sup> )		ISO10545-4	Min 30	Min 35	Min 22	Min 30	Min 35 Individual Min 32	Min 37
Breaking strenght (N)		ISO10545-4	Min 1100	Min 2000	Min 1000	Min 1400	Not less than 1300	Min 2500
Abrasion resistance	Resistance to deep abrasion of unglazed tiles	ISO10545-6	**	**	**	**	**	**
	Resistance to surface abrasion of glazed tiles	ISO10545-7	Report abrasion class	CLASS 3	Report abrasion class	CLASS 3	Report abrasion class and cycles passed	class 3
Crazing resistance		ISO10545-11	Required	pass	Required	pass	Required	pass
Coefficient of linear thermal expansion		ISO10545-8	Test Method available	**	Test Method available	**	Test Method available	62,35x10 <sup>-7</sup>
Thermal shok resistance		ISO10545-9	Test Method available	pass	Test Method available	pass	Test Method available	pass
Frost resistance		ISO10545-12	Test Method available	pass	***	***	Required	pass
Moistur expansion		ISO10545-10	0.06%	0.02%	0.06%	0.02%	Test Method available	0.02%
Small colour differences		ISO10545-16	Test Method available	pass	Test Method available	pass	Test Method available	pass
Impact resistance		ISO10545-5	Test Method available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Method available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Method available coefficient of restitution > 0.5	coefficient of restitution > 0.7

### DIMENSIONS AND SURFACE QUALITY

SPECIFICATION / DESCRIPTION OF TEST		STANDARD NUMBER	GROUP. WATER ABSORTION BIB				GROUP. WATER ABSORTION BIIA				GROUP. WATER ABSORTION BIA (wall tile)			
			std. criteria		Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria	
			%	mm	%	mm	%	mm	%	mm	%	mm	%	mm
Dimention	Length (mm)&(%working size)	ISO10545-2	± 0.6%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.6%	± 2.0	± 0.3%	± 1.0
	Width (mm)&(%working size)	ISO10545-2	± 0.6%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.6%	± 2.0	± 0.3%	± 1.0
	Thickness (mm)&(%working size)	ISO10545-2	± 5%	± 0.5	± 4%	± 0.4	± 5%	± 0.5	± 4%	± 0.4	± 5%	± 0.5	± 4%	± 0.4
Straightness of sides (mm) & (%working size)		ISO10545-2	± 0.5%	± 1.5	± 0.3%	± 1.0	± 0.5%	± 1.5	± 0.3%	± 1.0	± 0.5%	± 1.5	± 0.3%	± 1.0
Rectangularity (mm) & (%working size)		ISO10545-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
Surface flatness	Center curvature (% diagonal from work size)	ISO10545-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
	Edge curvature (mm) & (% corresponding work size)	ISO10545-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
	Warpage (mm) & (% diagonal from work size)	ISO10545-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
Surface quality		ISO10545-2	95%**		95%**		95%**		95%**		95%**		95%**	

\*\* A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.

### CHEMICAL PROPERTY

SPECIFICATION / DESCRIPTION OF TEST		STANDARD NUMBER	GROUP. WATER ABSORTION BIB		GROUP. WATER ABSORTION BIIA		GROUP. WATER ABSORTION BIA (wall tile)	
			std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria
Resistance to staining	GLAZED TILE (CLASS S)	ISO10545-14	Min class 3	class 4	Min class 3	class 4	Min class 3	class 4
Resistance to low concentrations (class)		ISO10545-13	Test Method available	GLA	Test Method available	GLA	Manufacturer to state classification	GLA
Resistance to high concentrations (class)		ISO10545-13	Test Method available	GHB	Test Method available	GHB	Test Method available	GHB
resistance to household Chemicals&swimming pool salts glazed tiles		ISO10545-13	Min GB	GA	Min GB	GA	Min GB	GA
lead & cadmium release		ISO10545-15	Test Method available	***	Test Method available	***	Test Method available	***

Numbers of sampels are taken by procedure of taking sample and inspection tables in way of special samles (individually) No:ISIRI 4006



# TECHNICAL FEATURES

## IRANIAN STANDARDS

### PHYSICAL PROPERTY

SPECIFICATION / DESCRIPTION OF TEST		STANDARD NUMBER	GROUP. WATER ABSORTION BIB		GROUP. WATER ABSORTION BIIA		GROUP. WATER ABSORTION BIII (wall tile)	
			std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria
water absorption (%)		INSO-9169-3	0.5% < Eb <= 3%	0.5% < Eb < 3%	3% < Eb <= 6.1%	3% < Eb < 6%	<= 0,5% Individual Max 0,6%	<= 0,5% Individual Max 0,6%
Modulus of rupture (N/mm <sup>2</sup> )		INSO-9169-4	Min 30	Min 35	Min 22	Min 30	Min 35 Individual Min 32	Min 37
Breaking strenght (N)		INSO-9169-4	Min 1100	Min 2000	Min 1000	Min 1400	Not less than 1300	Min 2500
Abrasion resistance	Resistance to deep abrasion of unglazed tiles	INSO-9169-7	**	**	**	**	**	**
	Resistance to surface abrasion of glazed tiles	INSO-9169-7	Report abrasion class	CLASS 3	Report abrasion class	CLASS 3	Report abrasion class and cycles passed	class 3
Crazing resistance		INSO-9169-11	Required	pass	Required	pass	Required	pass
Coefficient of linear thermal expansion		INSO-9169-8	Test Method available	**	Test Method available	**	Test Method available	62,35x10 <sup>-7</sup>
Thermal shok resistance		INSO-9169-9	Test Method available	pass	Test Method available	pass	Test Method available	pass
Frost resistance		INSO-9169-12	Test Method available	pass	***	***	Required	pass
Moistur expansion		INSO-9169-10	0.06%	0.02%	0.06%	0.02%	Test Method available	0.02%
Small colour differences		INSO-9169-16	Test Method available	pass	Test Method available	pass	Test Method available	pass
Impact resistance		INSO-9169-5	Test Method available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Method available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Method available coefficient of restitution > 0.5	coefficient of restitution > 0.7

### DIMENSIONS AND SURFACE QUALITY

SPECIFICATION / DESCRIPTION OF TEST		STANDARD NUMBER	GROUP. WATER ABSORTION BIB				GROUP. WATER ABSORTION BIIA				GROUP. WATER ABSORTION BIII (wall tile)			
			std. criteria		Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria	
			%	mm	%	mm	%	mm	%	mm	%	mm	%	mm
Dimention	Length (mm)&(%working size)	INSO-9169-2	± 0.6%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.6%	± 2.0	± 0.3%	± 1.0
	Width (mm)&(%working size)	INSO-9169-2	± 0.6%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.6%	± 2.0	± 0.3%	± 1.0
	Thickness (mm)&(%working size)	INSO-9169-2	± 5%	± 0.5	± 4%	± 0.4	± 5%	± 0.5	± 4%	± 0.4	± 5%	± 0.5	± 4%	± 0.4
Straightness of sides (mm) & (%working size)		INSO-9169-2	± 0.5%	± 1.5	± 0.3%	± 1.0	± 0.5%	± 1.5	± 0.3%	± 1.0	± 0.5%	± 1.5	± 0.3%	± 1.0
Rectangularity (mm) & (%working size)		INSO-9169-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
Surface flatness	Center curvature (% diagonal from work size)	INSO-9169-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
	Edge curvature (mm) & (% corresponding work size)	INSO-9169-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
	Warpage (mm) & (% diagonal from work size)	INSO-9169-2	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0	± 0.5%	± 2.0	± 0.3%	± 1.0
Surface quality		INSO-25	95%**		95%**		95%**		95%**		95%**		95%**	

\*\* A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.

### CHEMICAL PROPERTY

SPECIFICATION / DESCRIPTION OF TEST		STANDARD NUMBER	GROUP. WATER ABSORTION BIB		GROUP. WATER ABSORTION BIIA		GROUP. WATER ABSORTION BIII (wall tile)	
			std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria
Resistance to staining	GLAZED TILE (CLASS S)	INSO-6200	Min class 3	class 4	Min class 3	class 4	Min class 3	class 4
Resistance to low concentrations (class)		ISO10545-13	Test Method available	GLA	Test Method available	GLA	Manufacturer to state classification	GLA
Resistance to high concentrations (class)		ISO10545-13	Test Method available	GHB	Test Method available	GHB	Test Method available	GHB
resistance to household Chemicals&swimming pool salts glazed tiles		ISO10545-13	Min GB	GA	Min GB	GA	Min GB	GA
lead & cadmium release		ISO10545-15	Test Method available	***	Test Method available	***	Test Method available	***

Numbers of sampels are taken by procedure of taking sample and inspection tables in way of special samles (individually) No:ISIRI 4006

# GENERAL SPECIFICATIONS

## LAYING RECOMMENDATIONS

For a proper use of our products it is necessary to pay attention on the installation.

The recommended minimum space between the tiles is set at 1.5mm; smaller joints may cause tension accumulation due to contact between them without permitting the proper grout installation.

### PREPARATION FOR THE TILE SETTING

The laying of ceramic tiles must always be carried out by an experienced professional.

A regulating or levelling mortar can be used, or even water-proofing or drainage layers, etc., if the situation requires it.

The surfaces must be completely clean and dry before applying the mortar or the adhesive.

### CHOICE OF ADHESIVE AND METHOD OF APPLICATION

The choice of adhesive is defined by the type of ceramic tile (the group to which it belongs and its format), the type of surface to be covered (material) and purpose of the tiled area.

The choice of tiling method depends on the location of the site (outside or inside) and the dimensions of the ceramic tiles.

It is recommended to use the adhesive with buttering and floating installation for more than 30cm tile. This technique is achieved by placing adhesive both on the tile setter and on the tile, completely covering their surface.

It is recommended to contact the dealer and to follow the instructions of the manufacturer.

### SPECIAL CARE DURING SETTING

Due to the shrinkage of the mortar during setting, watch carefully the pauses during setting, so that this change of level can be foreseen when restarting the work.

Rectified tiles need to be handled with especial care in order to avoid cuts to the hands and chipping and breaking to the edges of the tiles.

Use crosshairs and spacers according to the joint, in order to maintain the orthogonality on the installation.

In a brickbond fitting, it is recommended not to surpass 25% of the longest side.

### GROUTING

There are various types of joints in a site:

› **STRUCTURAL JOINTS:** these are designed to absorb movements in the building and must always be respected. They can be covered with adequate profiles and filled with the indicated materials.

› **PERIMETER JOINTS:** all joints where the wall meets the floor. The minimum width will be 8 mm and emptied or filled with a deformable material.

They can be concealed with the skirting board or the wall tile.

› **SETTING JOINTS:** These are the spaces left between tiles. According to the UNE 138002 standard, a minimum joint is defined as one that oscillates between: 1.5 and 3mm, an open joint that oscillates between 3 and 5mm, and a very open joint that has + 5mm.

The minimum joint for outdoor installation should be 5mm.

Before starting to apply the grout around the tiles, ensure that the mortar or adhesive is completely hard.

The joints must be completely clean and without from dust and particles.

Fill or seal the joints with grout using a grout float of hard rubber, without leaving spaces or uneven levels.

Remove any excess grout from the surface by moving the grout float in a motion diagonal to the joints, while the mixture is still fresh.

### FINISH THE JOB

› **CLEANING THE JOINTS:** respect the times advised by the manufacturer, clean the whole surface with a damp linen cloth, including the grout. Clean the rest of the site with the appropriate products. Contact the dealer and never use products that contain Hydrofluoric Acid HF.

### CLEANING AND MAINTENANCE OF THE MATERIAL

Once the material is placed and grouted, it needs to be properly clean.

An incorrect cleaning can leave remains of products used for installing or protecting the tiles such as cement, epoxy resins, grouting material, waxes, or grease. It is very important to do a first cleaning before the grout sets completely. Always follow the grout manufacturer's recommendations. For an optimal cleaning after installing, in case of heavy and embedded dirt accumulated over time, and for its maintenance, it is necessary to use the right products.

It is recommended to test the cleaning products in a poorly visible area to ensure that they do not damage the ceramic material.

For regular cleaning of the floors we recommend the use of a neutral detergent with high cleaning power, avoiding acidic and abrasive products. Some types of dirt (gravel, sand...), increase the abrasive effect of pedestrian traffic.

Therefore, we recommend keeping the floor as clean as possible, protecting the entrances to circulation areas with doormats. Ceramic floors have moderate shock resistance. We shall therefore prevent the fall of heavy or sharp objects.

### DRILLING PORCELAIN TILES



For an effective drilling, we shall use an appropriate drill for porcelain tiles, as well as a correct drilling technique.

#### TOOLS

- › DRILL: with power greater than or equal to 600 W.
- › BITS:
  - › Special tungsten carbide drill bit for porcelain tile: special spiral or arrowhead end.
  - › Diamond drill bit: cylindrical or crown end.

#### CUTTING PORCELAIN TILES

There are various tools that can be used for cutting porcelain tiles. We provide some indications on each of them below:

##### › MANUAL CUTTING

The tool used shall have suitable characteristics for the formats, piece thicknesses, and job to carry out. Depending on the size of the roller, we recommend using an 8-mm diameter for pieces with smooth surface and an 18 mm diameter for rough surfaces.

##### › ELECTRIC CUTTING

This tool has a diamond disc and water refrigeration system. It allows for precise cuts with some complexity, on very hard materials. It shall have suitable characteristics for the formats, piece thickness, and work to carry out. The diamond disc shall include wet and continuous band cutting. This tool is ideal for making any type of cut to porcelain tiles.

##### › GRINDER

It has a diamond disc. We recommend using a low-power 600-1100W approx. grinder, which uses a blade with a 115 or 125mm diameter. The diamond disc shall include dry and continuous band cutting.

#### LEVELLING SYSTEM

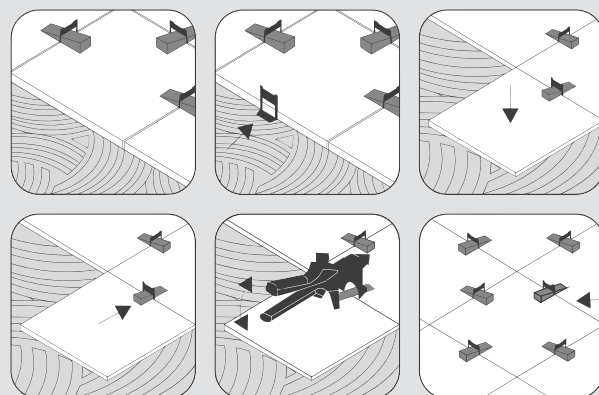
Levelling system ensures flatness between tiles avoiding movements during the mortar setting. This reduces the time for the ceramic laying obtaining a perfect lippage-free finish.

#### APPLICATIONS AND MAIN FEATURES

- › Recommended in formats from 60x60 cm.
- › Indispensable in rectified ceramic, porcelain, cladding and large formats.
- › Flatness between tiles is guaranteed and laying time reduced.
- › Avoid movements between the tiles due to the mortar setting.
- › Minimum 1 mm joint space (available 1, 2 and 3mm). Compatible with tile spacers.

#### STEPS TO FOLLOW

- › First, set the tool to the scale according to the ceramic thickness.
- › Introduce the crossheads and continue laying the adjacent tiles.
- › Put the wedges in the crosshead manually.
- › Tighten the wedges with the pliers to level the pieces.
- › Allow for setting for the time recommended by the manufacturer of the adhesive cement.
- › Remove the crossheads. Hit the crosshead with a rubber mallet or with your foot in the direction of the joint. Do not hit the wedges.



# GENERAL SPECIFICATIONS

## LAYING RECOMMENDATIONS FOR MOSAICS

These instructions are intended to ensure that the various pieces are laid in the best possible way. Entrust this work only to qualified professionals.

### PREPARING THE SURFACE

It is essential that surface is well prepared, as this can affect the final result and finish. Do not forget:

- › To eliminate dirt and residues of dust, grease, etc.
- › To ensure the base is stable.
- › Ensure the surface is perfectly flat. If variations greater than 3mm are found, it is recommended to apply a levelling coat of the appropriate product and cut back any protrusions.
- › Ensure the surface is dry, with a maximum of 3% moisture content.

### LAYING

It is important to bear several factors in mind before starting to lay the material, such as planning the pieces so as to avoid having to cut the mosaic.

To lay the mosaic, we recommend the use of high-performance cement-based adhesive, especially suitable for laying mosaic.

With a toothed float, use the straight edge to spread the tile adhesive uniformly over the wall and then “comb” the adhesive with the toothed side (minimum 3mm teeth). It is important not to apply the adhesive to too large an area at a time, otherwise it may dry out.

After applying the mesh, press it with a rubber float and ensure that the distance between meshes is equal to the distance between pieces in the same mesh. The tile cement must be allowed to dry for 24 hours before grouting.

Treat the meshes carefully due to the fact they can contain sensitive elements to striped, such as crystal, aluminium and hand painted.

### GROUTING

All the pieces laid must be perfectly clean and free of residues and dust. The grouting material must be prepared according to the manufacturer's instructions to obtain a smooth, creamy mix, without lumps or air-pockets.

It is then spread over the surface using a rubber float, completely filling the joints. Use the same float to remove excess material, while removing all residues with a sponge or cloth before it sets. It is important to perform this operation twice to ensure perfect cleanliness, leaving 24 hours between the two cleanings.

Abrasive and alkaline products must not be used to remove remains of materials of work.

### CLEANING

Routine cleaning is carried out using glass cleaner or neutral detergents. Then use a clean, soft cloth to avoid scratches and clouding. Furthermore, it is recommended to apply a marble treatment to glass mosaics at least once a year.

### LAYING HELP LINE

Spainker's technical advice service is ready to help specialised professionals when laying the material. We are available to answer any questions on preparation, laying or the products to be used. Shall we lay this?

### NOTES

The material should be used as a floor covering only in areas where there is little traffic, in view of its low resistance to scratching and slipping. In order to cut the glass, specific special equipment must be used.



# GENERAL SPECIFICATIONS

## CLEANING RECOMMENDATIONS

### SITE FINAL CLEANING

In the case of using a cementitious grout material and once completely dried and hardened, the following procedures are recommended:

- › Sweep or vacuum residues of cement and dirt from the construction work.
- › Wet the surface with water so that the joints are completely impregnated and protected from the corrosive action of detergents.
- › Clean with a suitable acid detergent (eg commercial vinegar) applied by hand or machine and collect the remaining waters.
- › Rinse the surface thoroughly with clean warm water to neutralize the solvent.
- › Remove possible localized accumulations by scratching. In the case of using epoxy sealers any residue that may have been left must be removed with rags or wet sponges with water before the material has hardened completely and scrupulously following the manufacturer's instructions.

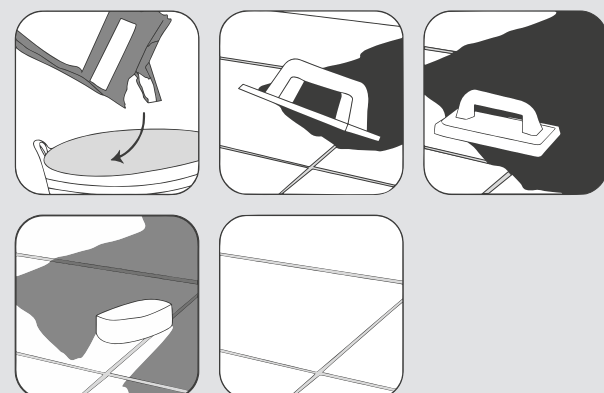
#### NOTE

Under no circumstances should use cleaning products containing hydrofluoric acid and its derivatives.

### MAINTENANCE CLEANING

Maintenance operations consist of regular cleaning by vacuuming or sweeping dust and dirt, and washing with water or a diluted solution of neutral or alkaline detergent, never products containing hydrofluoric acid or its derivatives.

For polished surfaces it is recommended to carry out periodically an extraordinary cleaning with specific detergents like buffered acids for ceramic or professional type degreasers removing any glimmer of dirt and keeping unchanged the brightness of the ceramic surface.



### SPECIFIC STAINS CLEANING

In event of particularly tough stains perform a located cleaning following the instructions given in the attached table of types of detergent according to the type of dirt.

TYPE OF STAIN	RECOMMENDED CLEANING PRODUCT
<b>Cement and lime wastes</b>	Diluted organic acids (vinegar) or alkaline-based detergents.
<b>Oxide remnants</b>	Phosphoric acid or acid-based detergents.
<b>Oils</b>	Ethyl alcohol or alkaline-based detergents.
<b>Greases</b>	Diluted organic acids (vinegar) or alkaline-based detergents.
<b>Inks or Mercurochrome</b>	Diluted sodium hypochlorite (bleach) or acid detergent.
<b>Beer, wine, coffee</b>	Dilute solution of sodium hypochlorite or alkaline detergents.
<b>Rubber</b>	Organic solvents (trichlorethylene, thinner).
<b>Paint</b>	Specific solvent or paint stripper.
<b>Tar or bitumen</b>	Trichloroethylene.
<b>Fruit juices</b>	Sodium hypochlorite (bleach).
<b>Permanent marker</b>	Organic solvents (acetone, trichlorethylene).
<b>Aluminum mark</b>	Acid detergent.
<b>Iodine</b>	Hydrogen peroxide (h2o).
<b>Blood</b>	Hydrogen peroxide (h2o) or sodium hypochlorite.



# SPAINKER

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### Factory

Tabriz Tile Industrial Group  
Kashi Tabriz St., 24 km of  
Tehran Road Tabriz, IRAN.

Phone : +98 41 41 77

Fax : +98 41 36 30 67 88

### HeadOffice

7th Floor Fereshteh 24  
Building Fayazi St.,  
Elahie St., Tehran, IRAN

Phone : +98 21 22 01 28 30

Fax : +98 21 22 01 28 40



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