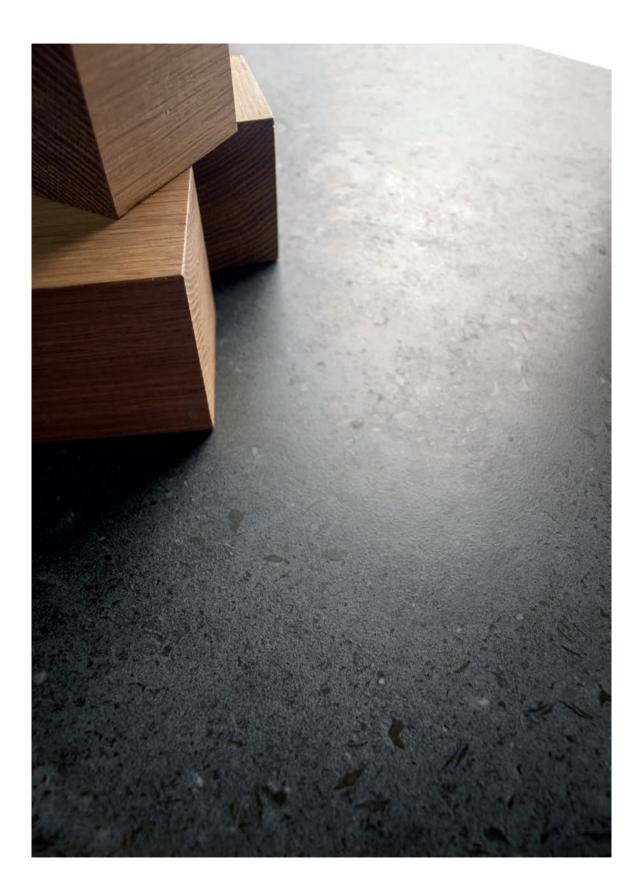


GENERAL CATALOGUE

# best for your life





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## SIZES

### GLAZED PORCELAIN

	80 x 160	26,5 x 160	120 × 120	60 x 120	20 x 120	100 × 100	80 × 80	60 x 60
AMADORA								
ASHER								
CASPER								
CHARM								
ENTIS								
FORMA								
IBIZA								
IMMER								
KAMEN								
KARZA								
LEVANA								
MARTA								
MYRA								
PURE								
ROKO								
SADRA								
SPACE								
TEMPER								
TIMEWOOD								
TIVOLI								
VULCANO								
WOODEN								

	40 x 120	33 x 100	30 x 90	MOSAIC	60 x 60	40 x 40	30 x 30
BOHEMIEN							
CAPRI							
IBIZA							
IMMER							
LAVIN							
MOLIS							
NORDIK							
ODISSA							
PLASTER							
ROKO							
TERANCO							
TINO							
TIVOLI							
TRUST							
VULCANO							

### WALL TILE & FLOOR TILE COMBINATION



### 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 bussiness 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

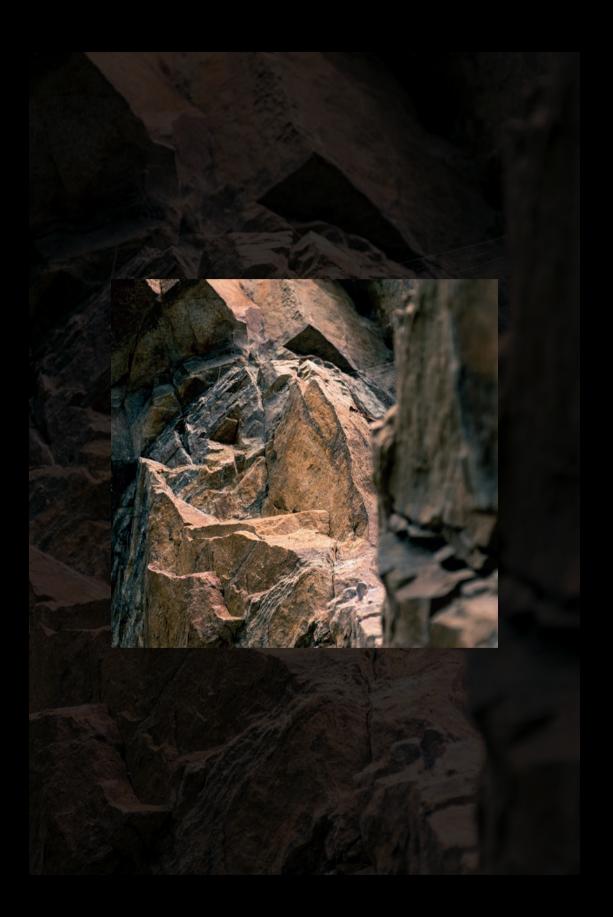
MATERIAL COLLECTIONS

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.

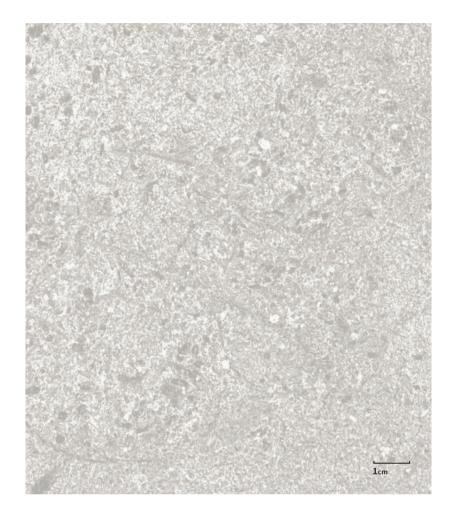
The collections that interpret the stone reproduce in a realistic way all its beauty and they add the technical performance and the large variety of formats for floor or wall that ensure the ceramic technology.

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

CAPRI	012
ENTIS	016
ODISSA	020
PLASTER	026
SADRA	032
TERANCO	038
TIVOLI	044
VULCANO	052



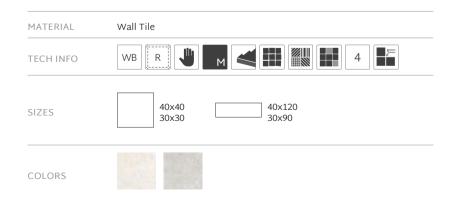
## CAPRI



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

It has been created to be able to be 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.





40X120 LIGHT CAPRI 40X40 LIGHT MOSAIC



## $CAPRI \\ \text{wall tile & floor tile combination} \\$





LIGHT 40x120



LIGHT BERA 40x120



GREY 40x120



GREY BERA 40×120



LIGHT MOSAIC 40x40



GREY MOSAIC 40x40

GOLD PERFIT 0,6x120

#### SILVER PERFIT 0,6x120

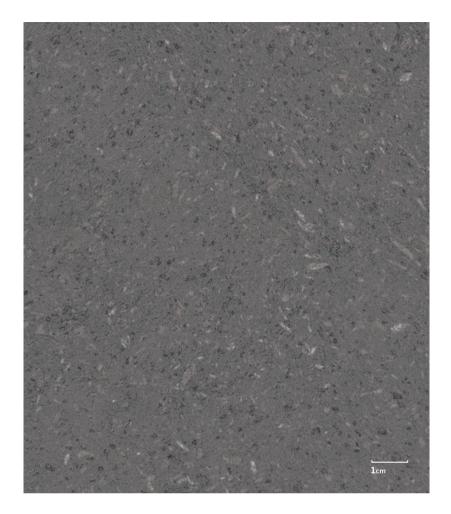


LIGHT 40x40



GREY 40x40

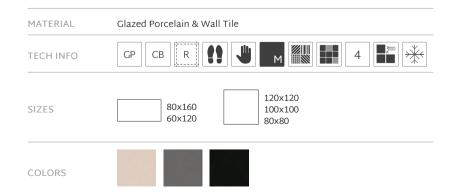
## ENTIS



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.







### ENTIS GLAZED PORCELAIN GP



BEIGE 120x120 100x100 80x80



СВ

СВ

60x120

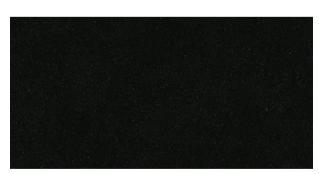


GREY 120x120 100x100 80x80





BLACK 120x120 100x100 80x80



BLACK 80x160 60x120

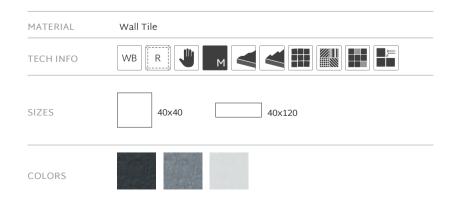
## **ODISS**A



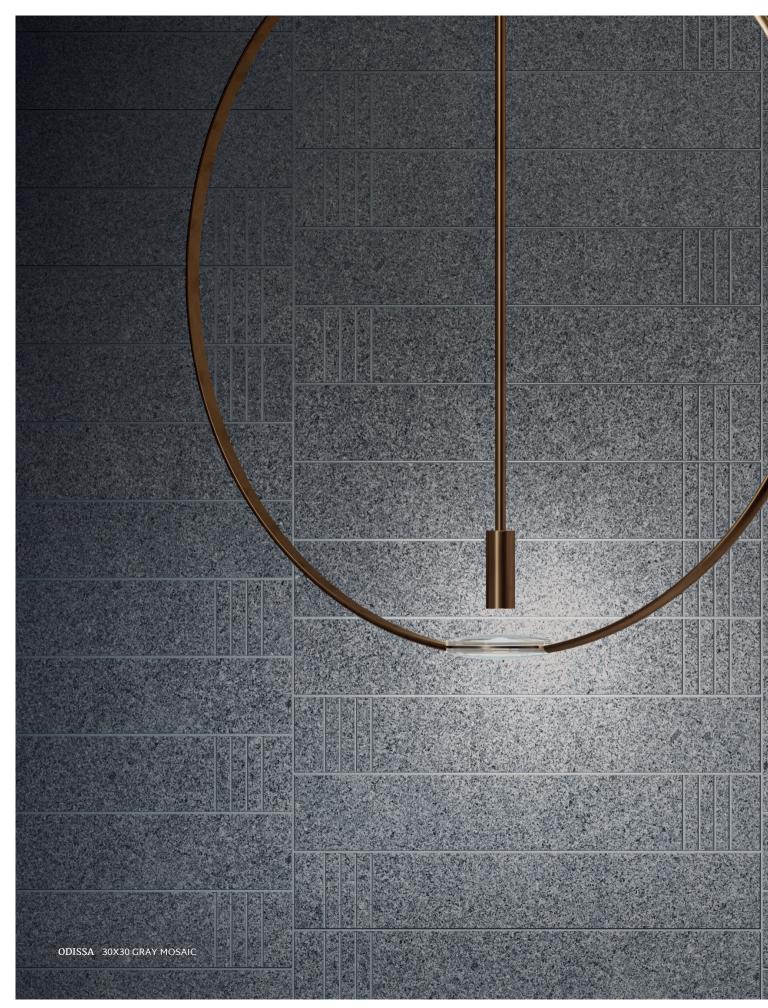
Odissa is a limestone that has a beautiful dark mottling with a fine porosity that diffuses over a homogeneous and regular background.

Precisely the naturalness of its range of colours makes this collection the perfect complement for industrial-type spaces, although any decorative style can benefit from timeless beauty and its sober and refined aesthetics.

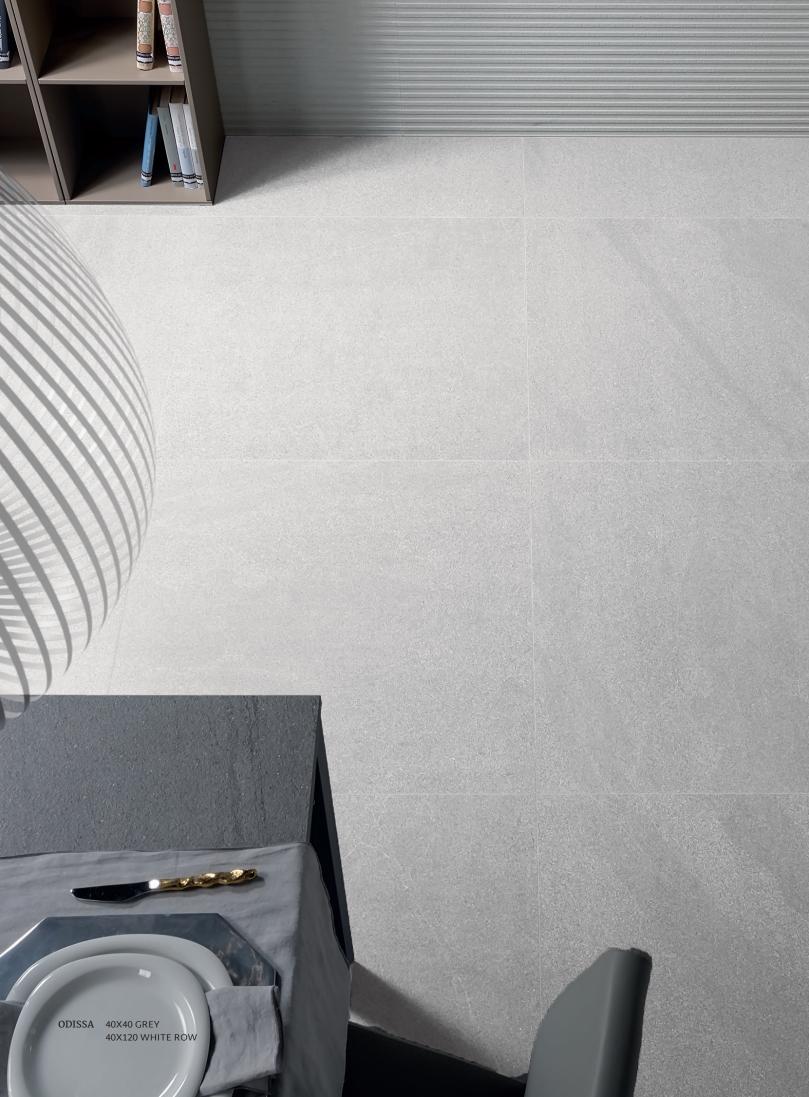
Odissa is a perfect collection to impregnate any project with distinction and natural elegance.











### **ODISSA**

WALL TILE & FLOOR TILE COMBINATION





WHITE 40×120



GREY 40x120



WHITE ROW 40x120

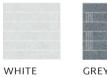
GREY ROW 40x120



40x120



ROW 40×120



MOSAIC 30x30



30x30

GREY

40x40

SILVER PERFIT 0,6x120



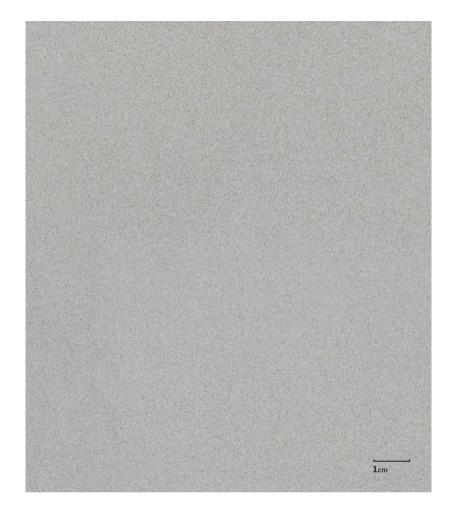


WHITE 40x40

40x40



## 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.

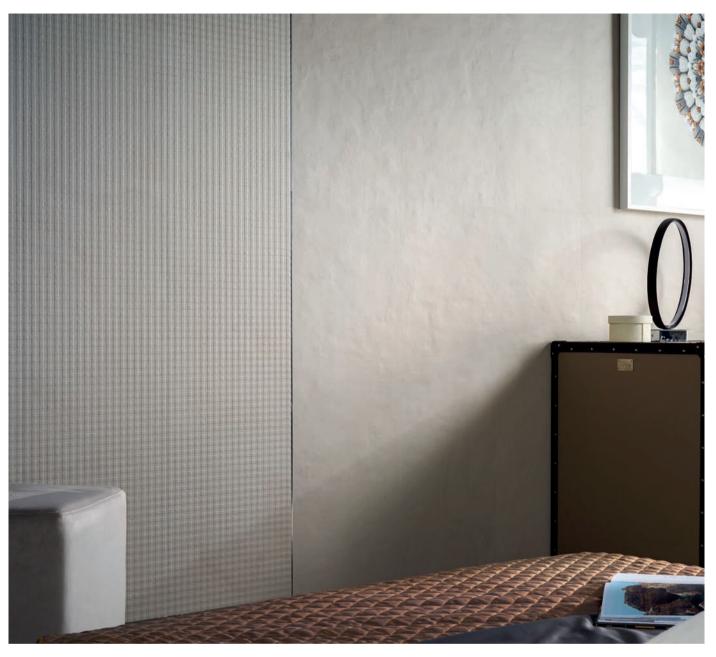
It is available in 3 colours in their most pure and rigorous tonality, combined in innovative formats that guarantee, in every architectonic context, of an attractive naturalness.



559 W

40X120 LIGHT ROW PLASTER





40X120 LIGHT PLASTER 40X120 LIGHT VEXY



## PLASTER

WALL TILE & FLOOR TILE COMBINATION





LIGHT 40x120



GREY 40x120



40x120

LIGHT VEXY 40x120



GREY VEXY 40x120



**VEXY** 40x120



LIGHT ROW 40x120



GREY ROW 40x120



**ROW** 40×120



MOSAIC

30x30

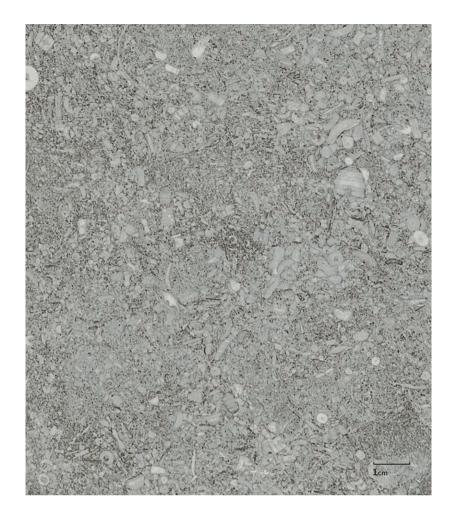
MOSAIC 30x30 MOSAIC 30x30

GOLD PERFIT 0,6x120

SILVER PERFIT 0,6x120

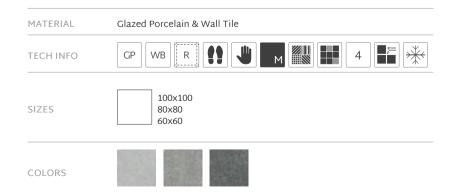


## SADRA

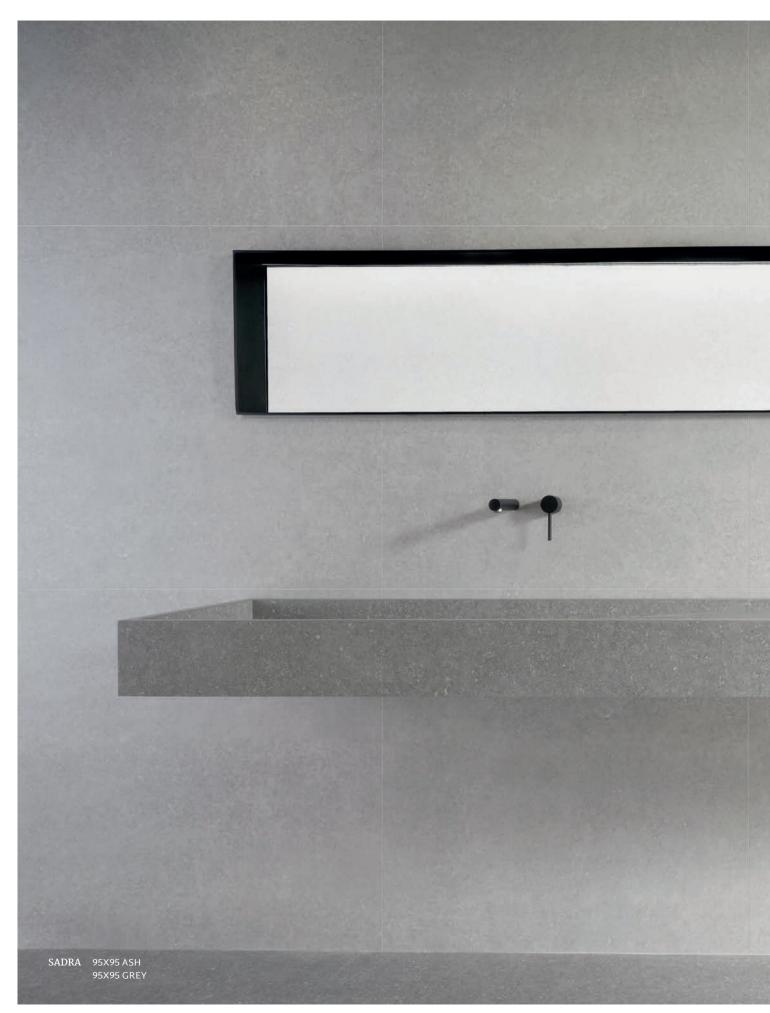


Sadra is a cozy design that has its origin in a stone effect, refined and matteric in which the attention of the details, the development of the graphic motive and the matrixes of its chromatic range are capable of illuminate with a unique touch and unmistakable in any ambience.

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











### SADRA GLAZED PORCELAIN GP WB R M M M M 4 M



ASH 100×100 80×80 60×60

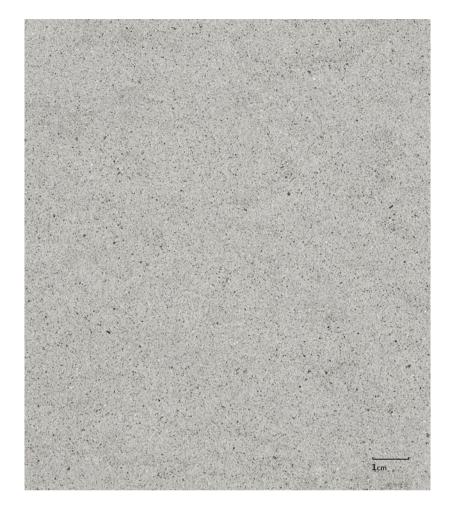


GREY 100×100 80×80 60×60



100×100 80×80 60×60

## TERANCO



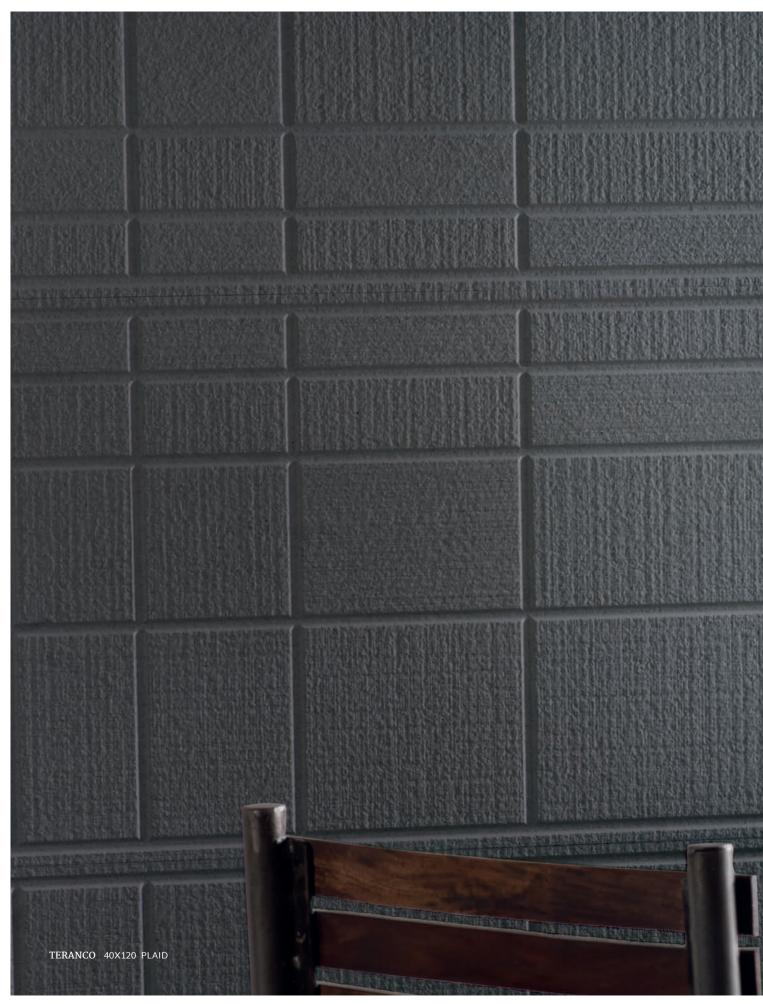
Teranco is a simple as well as sophisticated design that was born from the transformation of the matter.

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

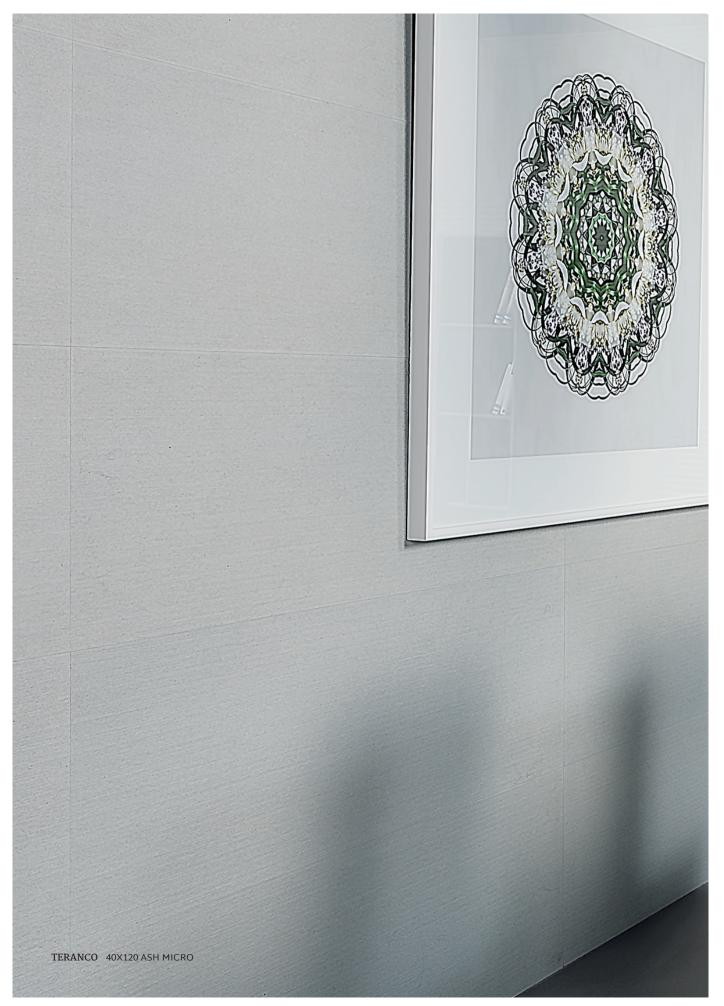
An informal and versatile luxury with authentic details and warm texture to the touch. Perfect to cover contemporary ambiences with a great trend and rich in memory.

MATERIAL	Wall Tile
TECH INFO	
SIZES	40x120
COLORS	

40X120 IVORY ROW TERANCO 40X120 IVORY MICRO







#### TERANCO

WALL TILE & FLOOR TILE COMBINATION





IVORY MICRO 40x120



ASH MICRO 40×120



MICRO 40x120



IVORY PLAID 40x120



ASH PLAID

40x120



**PLAID** 40x120



IVORY ROW 40x120



ASH ROW 40×120



ROW 40x120

#### GOLD PERFIT 0,6x120

SILVER PERFIT 0,6x120



PLASTER LIGHT 40x40



PLASTER

40x40

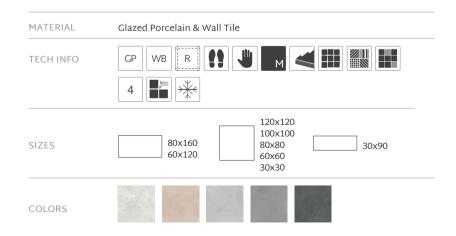
# TIVOLI

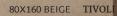


Tivoli stands out for the stone's characteristics in which it inspires: its nature, personality and strength, in addition to the similarities to the touch due to its soft bush-hammered finish. The grains are also a significative element that have been treated carefully.

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.









30X90 DECOR TIVOLI

TIVOLI 30X90 TIDE



30X90 LIGHTGREY ONA TIVOLI







BEIGE 80x160 60x120



BEIGE 120×120 100×100 80×80



LIGHTGREY 80x160 60x120



LIGHTGREY 120×120 100×100 80×80





DARKGREY 80x160 60x120



DARKGREY 120×120 100×100 80×80



80x160 60x120



120x120 100x100 80x80

#### TIVOLI

WALL TILE & FLOOR TILE COMBINATION





30x90



LIGHTGREY 30x90



30x90



WHITE TIDE 30x90



LIGHTGREY TIDE 30x90

WHITE ONA 30x90



LIGHTGREY ONA 30x90



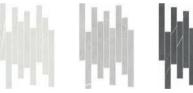
30x90



30x90

TIDE

30x90



WHITE MOSAIC 30x45



LIGHTGREY MOSAIC 30x45

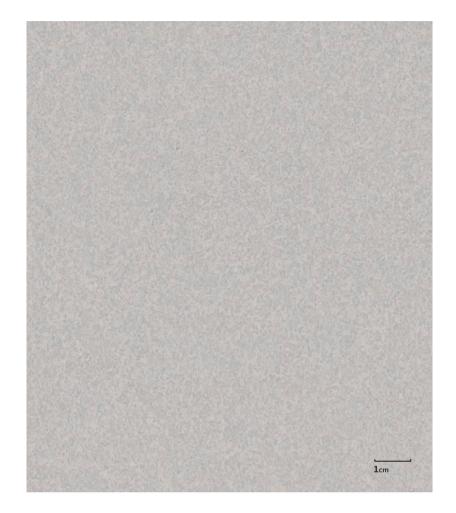
MOSAIC 30x45

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.





60X60 IVORY **VULCANO** 30X90 TATTER LEAVES



VULCANO 60X60 GREY







IVORY 60x120



GREY 60x120

#### VULCANO

WALL TILE & FLOOR TILE COMBINATION



WHITE 30x90



IVORY 30x90



GREY 30x90

WHITE LAP 30×90



IVORY LAP 30x90

GREY LAP

30x90

30x90



WHITE TATTER 30x90



IVORY TATTER 30x90



GREY TATTER 30x90

GOLD PERFIT

TATTER LEAVES

0,6x90

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.

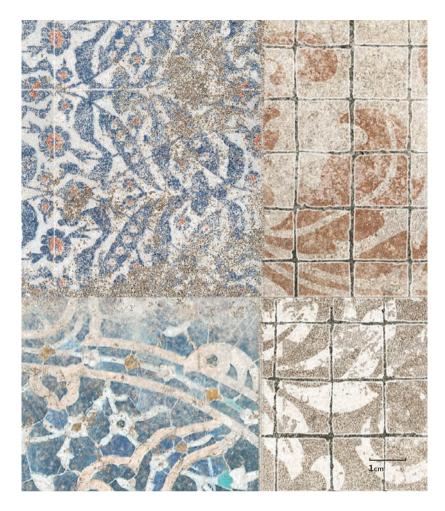
It is differentiated by the beauty in its shades, details and texture. It shapes neutral surfaces as background to the furniture and decoration of the ambience. It decorates in a creative way the day area as the night area.

Additionaly, 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	062
FORMA	072
KARZA	078
LAVIN	082
LEVANA	088
MOLIS	092
NORDIK	096
ROKO	102
SPACE	106
TEMPER	110
TINO	114
TRUST	120



### BOHEMIEN



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

Seven different designs are build 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	
SIZES	30x30





CONCRETE





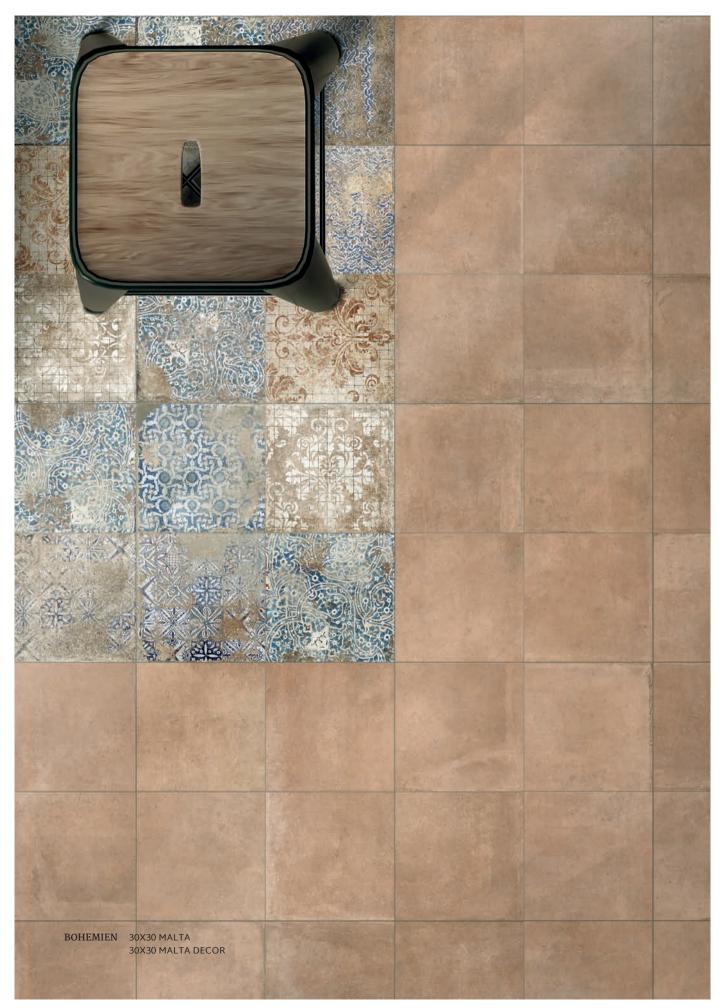


30X30 LIYA BOHEMIEN



BOHEMIEN 30X30 ANA





### BOHEMIEN GLAZED PORCELAIN

MALTA

30x30

ANA



30x30

30x30





MALTA DECOR 30x30





LIYA 30x30

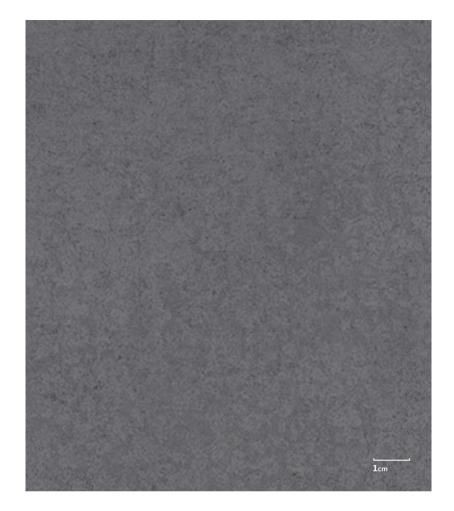


**SATYA** 30x30

PEDRA 30x30



### FORMA



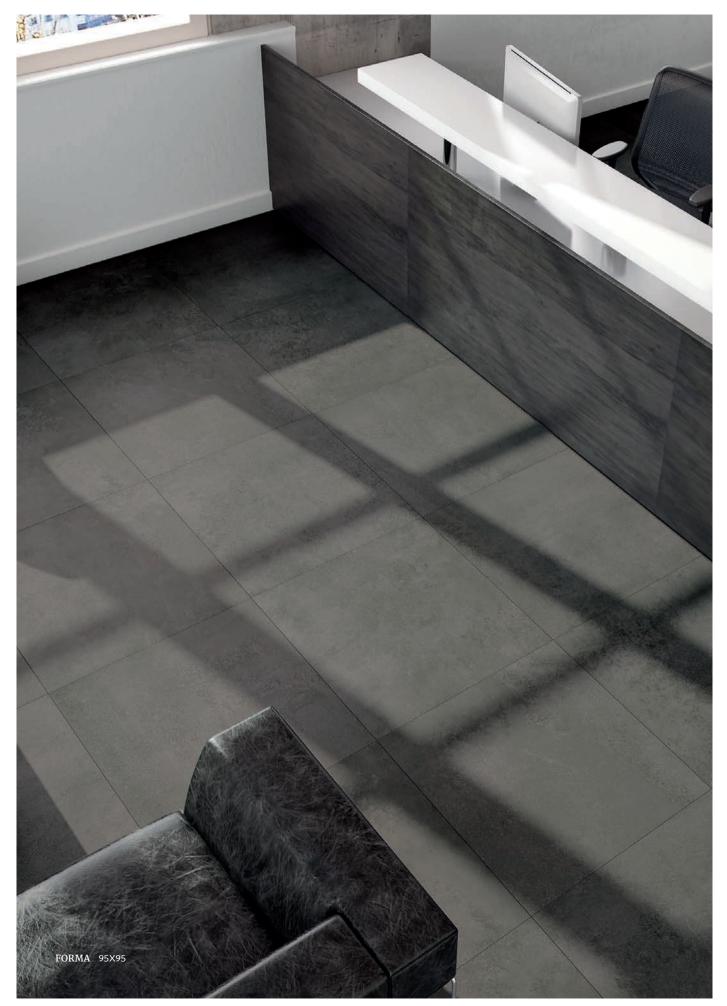
Forma is inspired in the attractiveness of the uniform cement. It is subtle but exquisite with a very interesting features from the technical point of view. The existence of a wide variety of tones allows to create rooms of a great aesthetic uniformity combining harmony and pragmatism obtaining as a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











### FORMA GLAZED PORCELAIN GP R M P I R M F 4 \*\*



LIGHT 120×120 100×100 80×80



GREY 120×120 100×100 80×80



CREAM 120×120 100×100 80×80



DARKGREY 120×120 100×100 80×80



120×120 100×100 80×80

### KARZA

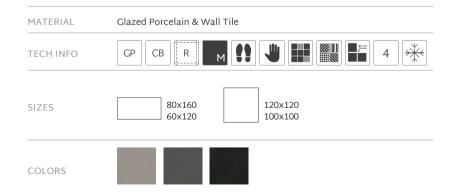


Karza is characterized by its elegance, timelessness and presence of matter dye in its variety of range graphics.

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.











SAND 120x120 100x100



SAND 80x160 60x120



GREY 120x120 100x100







120x120 100x100 СВ



СВ

80x160

60x120

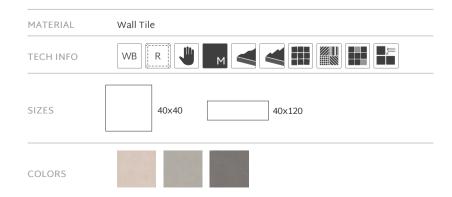
## LAVIN



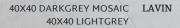
Lavin is designed based on the characteristics of cement and stone. The forms and details of the stone and the compaction of the cement can be appreciated. It comes in three colours, beige, light gray and dark gray for both wall and floor tiles, on a textured base, a relief in the form of small columns and a very linear mosaic.

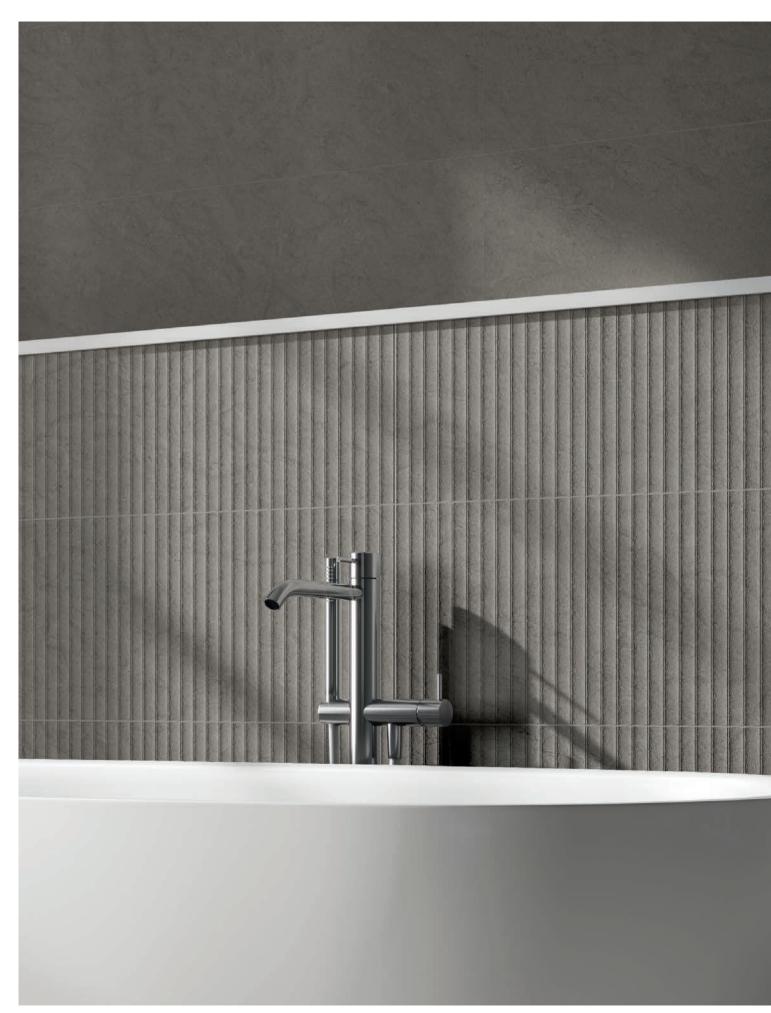
Noteworthy is the decoration on the base with a geometric drawing with a worn effect.  $% \label{eq:constraint}$ 

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













# $LAVIN \\ \text{wall tile & floor tile combination} \\$





40x120



LIGHTGREY 40x120



BEIGE NARO 40x120



LIGHTGREY NARO 40x120



DARKGREY 40x120



DARKGREY NARO 40x120



40x120



MOSAIC

40x40

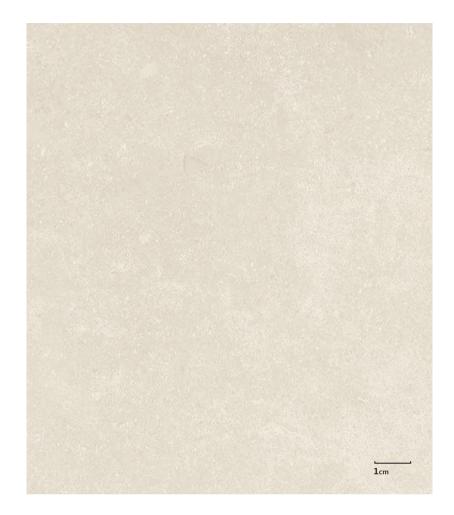
BEIGE MOSAIC 40x40

DARKGREY MOSAIC 40x40



**SPAINKER** 

## 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.











IVORY 80x160 60x120

80x160

60x120

GREY

80x160

60x120



IVORY 100×100 60×60





CREAM 100×100 60×60



GREY 100×100 60×60



80x160 60x120



100×100 60×60

## MOLIS

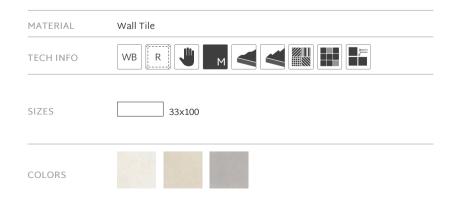


Molis juts out by the characteristic appearance of the microcement granting a minimalistic and timeless character to the product.

It is marked by the beauty of the shades, details and textures. This collection is a continuous balance between craft and modernity, through a tenuous and captivating chromatic track.

It is a simple piece but very versatile in its application both in interiors and exteriors.

Its installation is perfect for great and luminous spaces providing an exquisite and completely unique finish to the spaces.







#### MOLIS

WALL TILE & FLOOR TILE COMBINATION





33x100



CREAM 33x100



GREY 33x100



WHITE WAND 33x100



CREAM WAND 33x100



GREY WAND 33x100

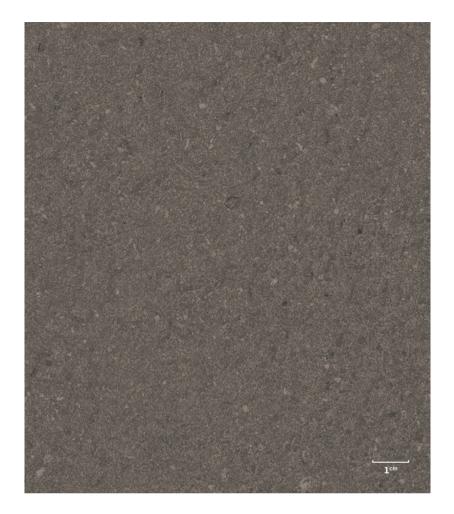


VULCANO IVORY 60x60



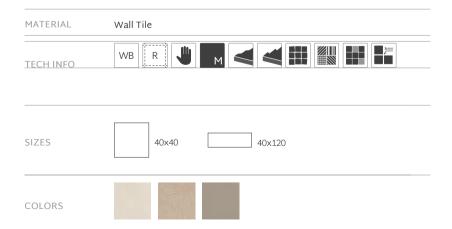
VULCANO GREY 60x60

## NORDIK



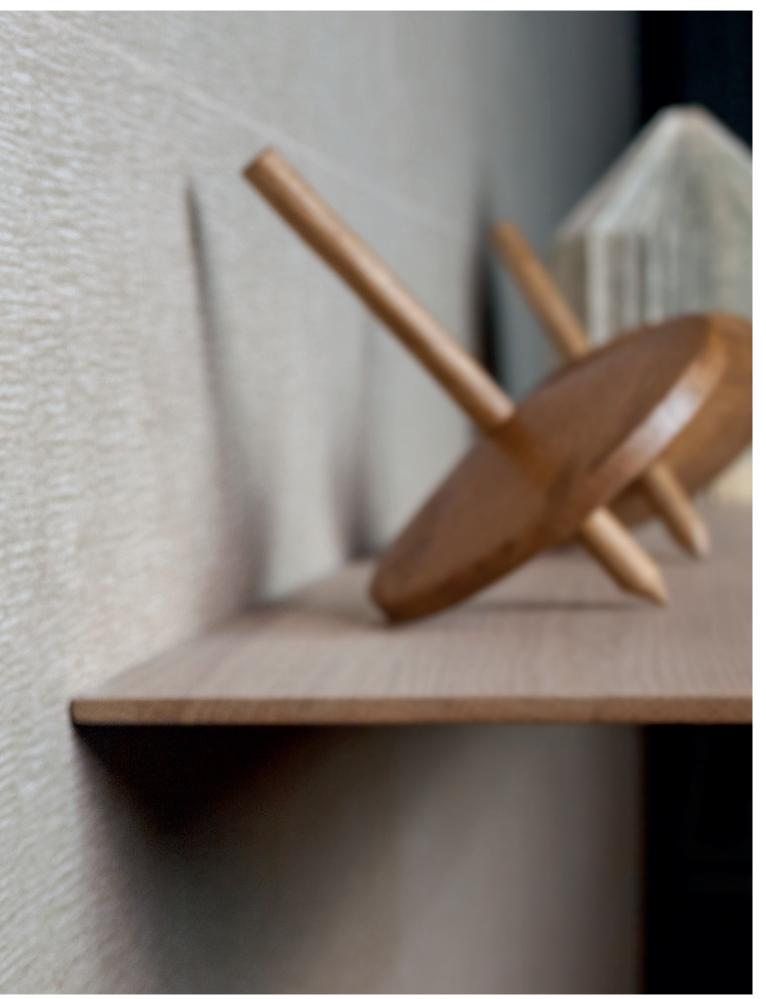
Nordik is a kind of a visual interaction inspired in different materials to present a daring piece but with a versatile design in its use as much in interiors as in exteriors.

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.











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

#### **NORDIK**

WALL TILE & FLOOR TILE COMBINATION





LIGHT BRUSHED 40x120



CREAM BRUSHED 40x120



GREY BRUSHED 40x120



LIGHT STRIPES 40x120



CREAM STRIPES 40x120



GREY STRIPES 40x120



LIGHT DUBEL 40x120



CREAM DUBEL 40x120



GREY DUBEL 40x120



STRIPES DECOR 40x120



MOSAIC

30x30

MOSAIC 30x30





### ROKO



Roko is a collection framed by the influences of the microcement and a great softness to the touch.

A simple and elegant design with a high functionality and a wide range of large formats that range from 120x120 and 80x160 to 80x80 centimeters for floor tiles and for wall tiles it is offered in 30x90 centimeters.

The diversity of the natural surface, its chromatic range and watery effects establish a perfect dialogue between the timelessness and trends.







ROKO 120X120 TAUPE

### ROKO





LIGHT 80x160 60x120



LIGHT 120x120 100x100 80x80



GREY 80x160 60x120



GREY 120×120 100×100 80×80



**TAUPE** 80x160 60x120



120x120 100x100 80x80



80x160 60x120



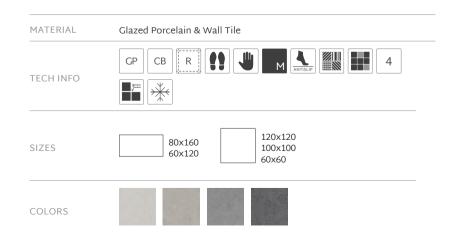
120x120 100x100 80x80

### 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.







#### **SPACE** GLAZED PORCELAIN СВ 🛛 👔 🗍 4 ▲ GP



LIGHT 80x160 60x120







BEIGE 80x160 60x120



BEIGE 120x120 100x100



GREY 80x160 60x120

GREY 120x120

100×100





80x160 60x120



120x120 100x100



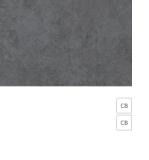
ANTISLIP

BEIGE(20mm) 60x60



GREY(20mm) 60x60

ANTISUP

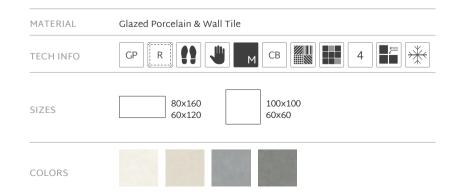


## TEMPER

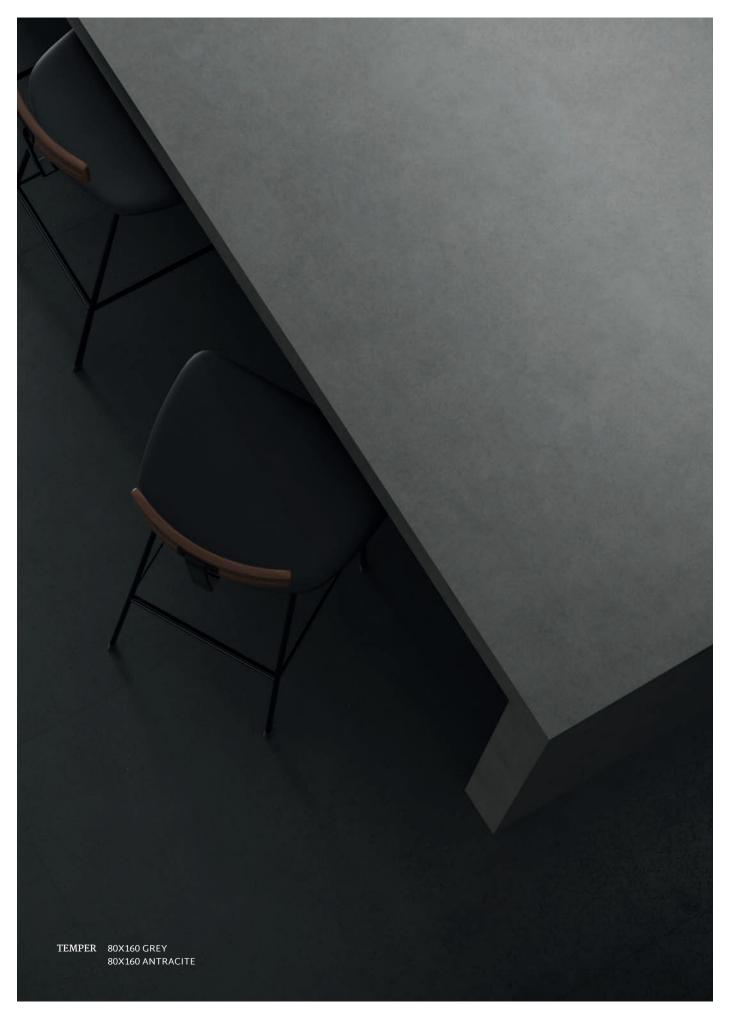


Temper is born from the timelessness and beauty of concrete surfaces. It is characterized by its nuances, details and texture that confer a unique character to the collection.

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







### TEMPER GLAZED PORCELAIN GP R CB 4



BONE 80x160 60x120



BEIGE 100×100 60x60

GREY

60x60

100x100

80x160 60x120



80x160 60x120

СВ

СВ



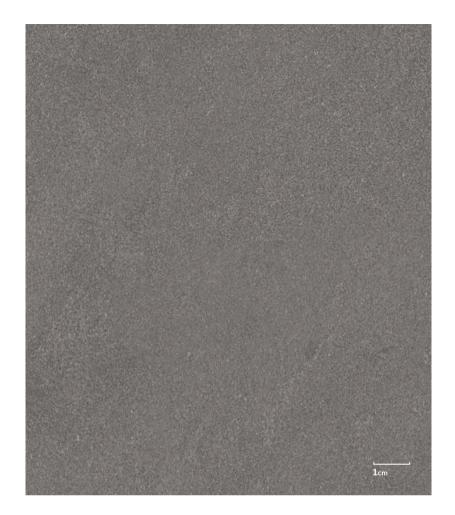
100×100 60x60



СВ

СВ

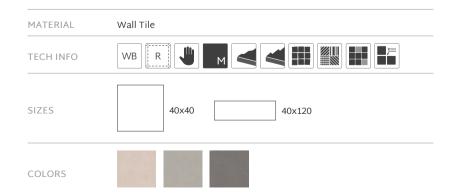
## TINO



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.











### TINO

WALL TILE & FLOOR TILE COMBINATION





BEIGE 30x90



LIGHTGREY 30x90



BEIGE NARO XL 30x90



LIGHTGREY NARO XL 30x90



DARKGREY 30x90



DARKGREY NARO XL 30x90



DECOR 30x90



BEIGE MOSAIC 30x30

LIGHTGREY MOSAIC 30x30



DARKGREY MOSAIC 30x30

GOLD PERFIT 0,6x90 SILVER PERFIT

0,6x90



# 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.

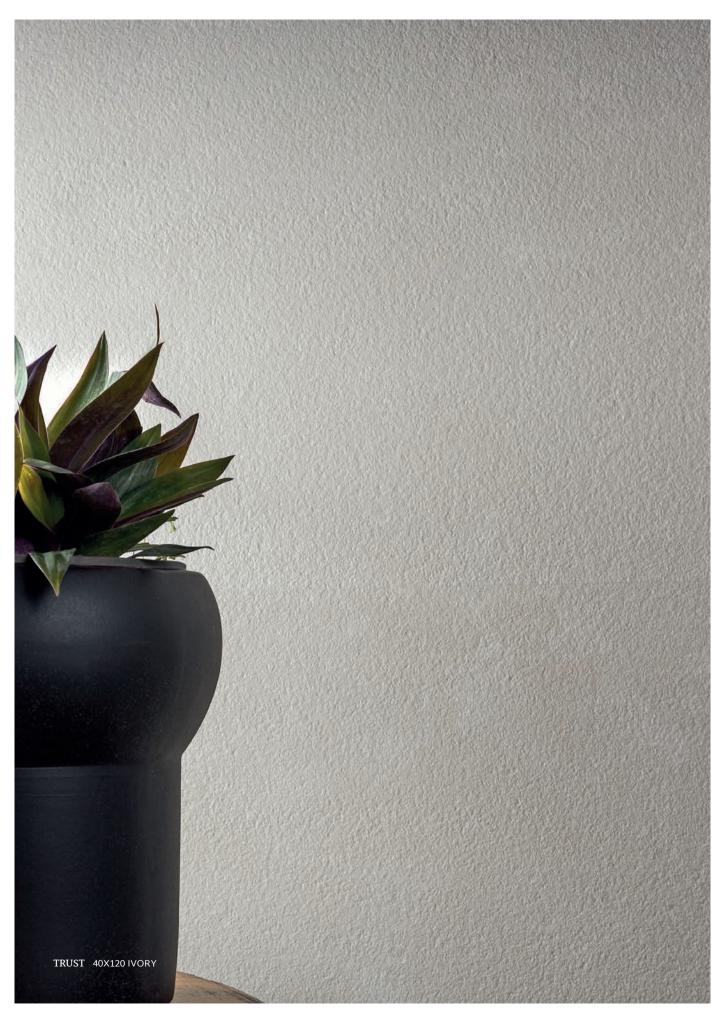
Floor and wall tiles combined in between with a fresh and simple chromatic range with a refined and informal touch.

MATERIAL	Wall Tile
TECH INFO	
SIZES	40x40 40x120
COLORS	









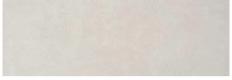
### TRUST

WALL TILE & FLOOR TILE COMBINATION





WHITE 40×120



IVORY 40x120

GREY

40x120



WHITE VENICE 40x120



IVORY VENICE 40x120



GREY VENICE 40×120



ARAZZO 40x120



WHITE 40x40



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.

TIMEWOOD	128
WOODEN	132



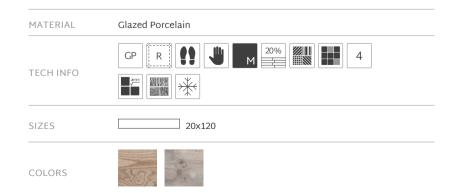
# TIMEWOOD



Timewood is perhaps the most noteworthy design amongst Spainker 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.









20x120



GREY 20x120

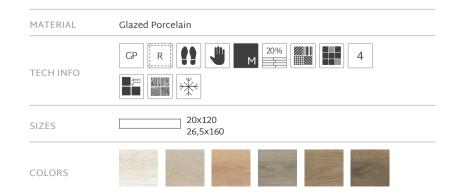
# WOODEN

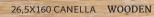


Wooden is born from the incredible essence of the oak woods and its carefully brushed surface.

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.







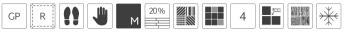


26,5X160 WHITE WOODEN



### WOODEN

GLAZED PORCELAIN





#### WHITE

26,5x160



#### SAND

26,5x160



WHITE 20x120



20x120



#### CANELLA

26,5x160



NOGAL 26,5x160



ASH 26,5x160



BROWN 26,5x160



CANELLA 20x120

NOGAL

20x120



20x120



BROWN 20x120

#### MARBLE

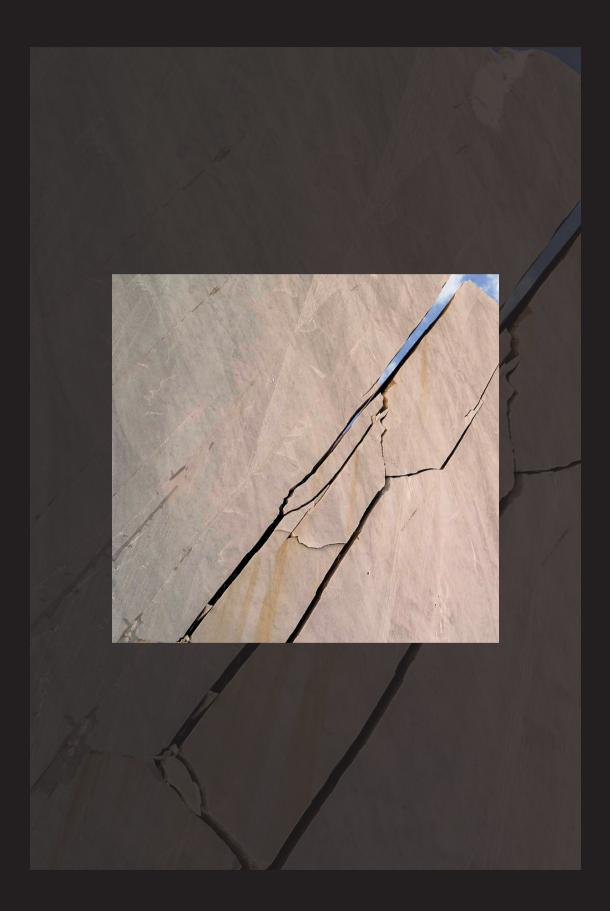
#### MATERIAL COLLECTIONS

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

AMADORA	140
ASHER	144
CASPER	148
CHARM	152
IBIZA	156
IMMER	164
KAMEN	174
MARTA	180
MYRA	184
PURE	188
WARP	192

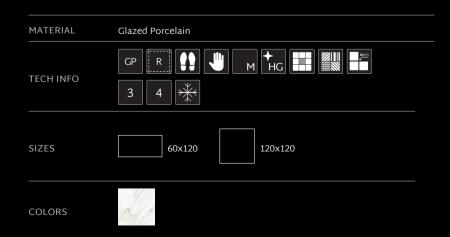


# AMADORA



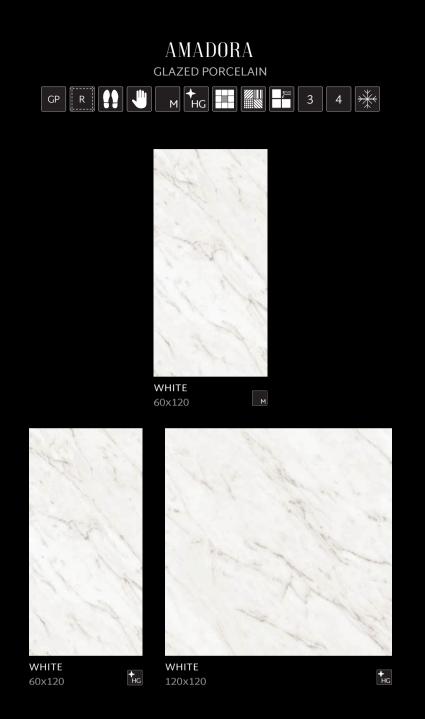
Amadora is synonym of beauty. It is born through the observation of marble Statuario, the most famous of all Carrara variety. This is due to its cream colour, its very homogeneous pink veining and very fine lines.

It is produced in big format and it's perfect to provide excellence and delicacy to any space.

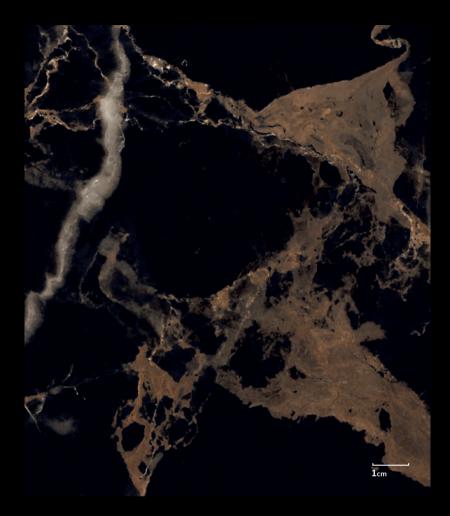


60X120 WHITE AMADORA





# ASHER



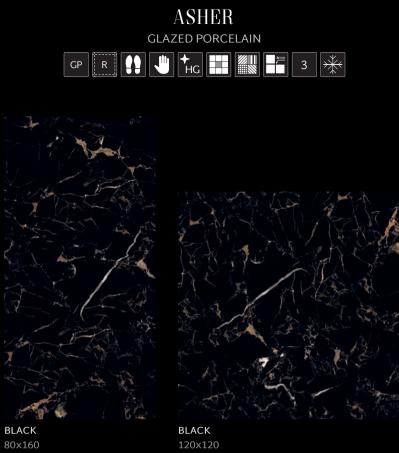
Asher originates from the precious surfaces of the uncommon marbles that can be considered a work of art. Jewel surfaces with style and strength, characterized by the dark background and the quantity of peculiar white and gold veins which seem to form little and different spider's webs.

It is perfect to be the centre of a space, conferring great personality and elegance.

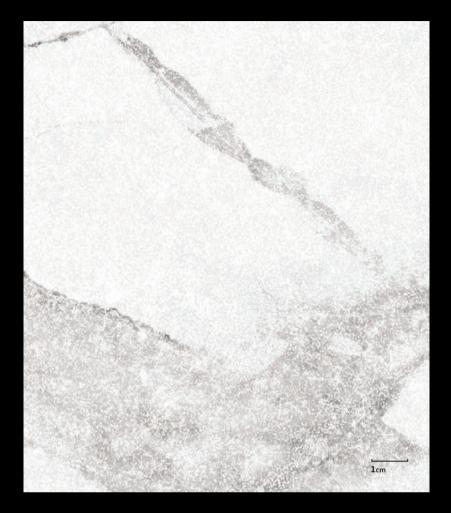
MATERIAL	Glazed Porcelain
TECH INFO	
SIZES	80x160 120x120
COLORS	







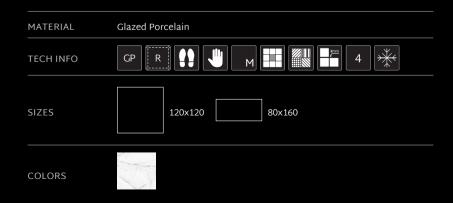
### CASPER



Casper is the most austere marble of Spainker. Emanates of the invisible marble grey but creates a fine and delicate version of it.

It characterizes by its white background and gray veins that intertwine within each piece.

It is mostly produced in big formats and can be combined, resulting spectacular, with other Spainker designs.

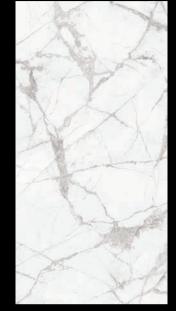




- THE



### CASPER GLAZED PORCELAIN GP R R M M K K 4 K



WHITE 80x160



WHITE 80x160

# CHARM



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

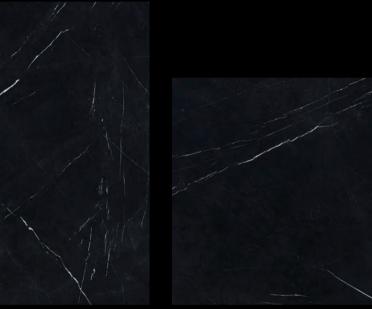
Pieces for floors with an appeal for modernity and spaces of immense singularity. It is a collection which is going to be the center of the place where it will be placed.





CHARM 100X100 BLACK





BLACK 80x160 60x120 BLACK 120×120 100×100

### IBIZA



Ibiza is the essence of one of the most classic and prestigious Italian marbles. It represents the purity through soft tones of great sculptural value.

The beauty of this natural stones is faithfully represented in this design. It is identified by the subtle, strong and simple continuity.

This collection is created in porcelain stoneware, due to the characteristics of this material, it can be installed in wet areas such as the kitchen and bathroom, or in the noble ones such as the living room or hall.

A customer will be able to select this material in a wide range of sizes, making it suitable for all the different needs of the project.









40X120 WHITE VENICE IBIZA



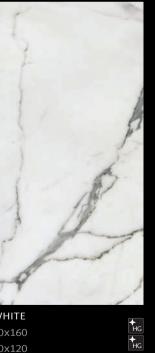








WHITE		
120x120		
100x100		
80x80		
60x60		



WHITE



WHITE 80x80

부역 부수 명 수영

# $\begin{tabular}{l} IBIZA \\ \end{tabular} wall tile & floor tile combination \\ \end{tabular}$





40x120



WHITE VENICE 40x120

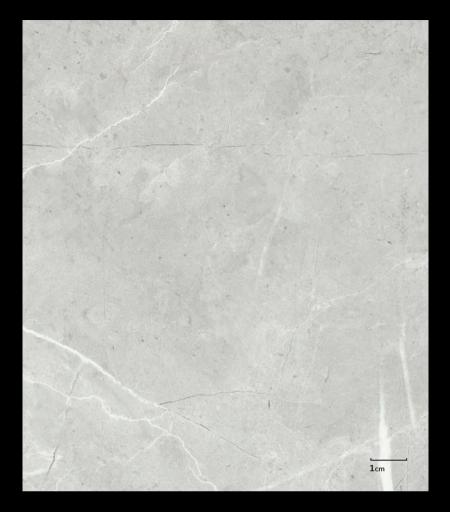


DECOR 40x120



WHITE 40x40

# IMMER



Immer is inspired in a widely know marble such as Pietra Grey, which has its origins in the Iranian masonry.

A style of beauty interpreted in a chromatic range of three gray shades available in alternative formats. Both matt and polish finishes transmit elegance and naturalness. With formats for both floor and walls and completed with its decor pieces, Immer becomes a very rewarding and resourceful collection.

A perfect synthesis between purity, tradition and modernity to create a cozy and wraparound atmosphere.







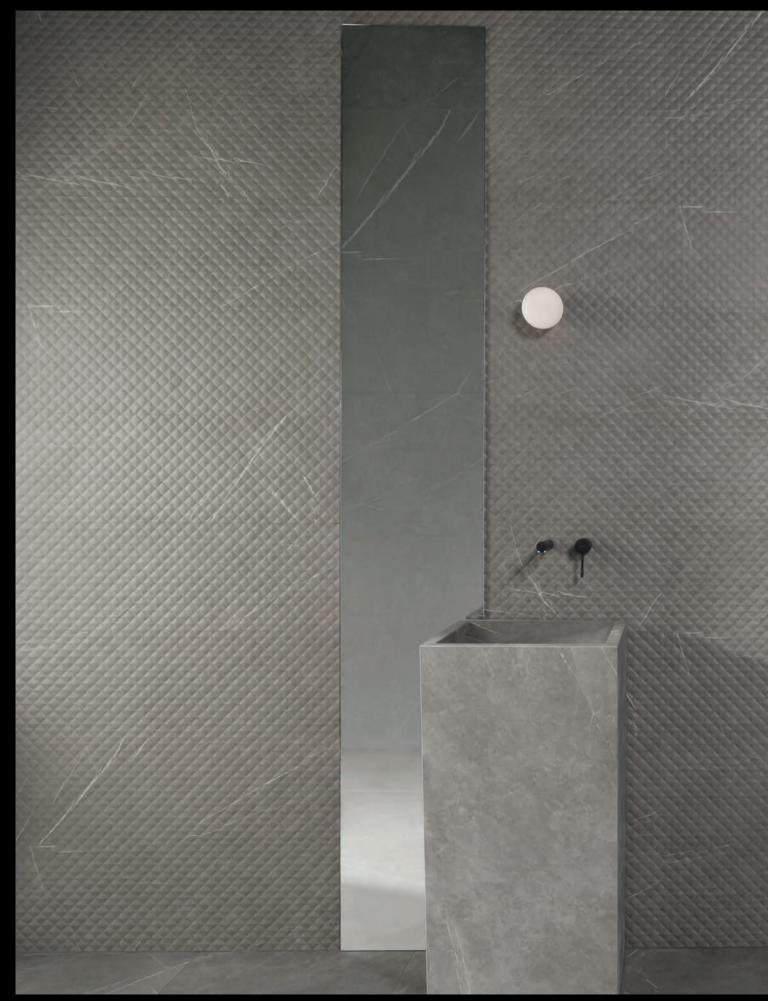


100X100 DARKGREY POLISHED IMMER





25X25 LIGHTGREY MOSAIC IMMER





#### IMMER GLAZED PORCELAIN & WALL TILE





LIGHTGREY 80x80



GREY 100×100 80x80



DARKGREY 100x100 80x80



+HG +HG

LIGHTGREY 30x90		+ <sub>G</sub>	LIGHT 30x90	GREY LATTICE		+ G
GREY 30x90		+ G	GREY 30x90	LATTICE	ſ	⁺G
DARKGREY 30x90	+		DARKGREY LATTICE 30x90		⁺G	
	LIGHTGREY	GREY		DARKGREY		
	MOSAIC 25x25	MOSAI 25x25		MOSAIC 25x25		
	+ G	+ G		+ <sub>G</sub>		

#### IMMER WALL TILE & FLOOR TILE COMBINATION





LIGHTGREY 30x30



GREY 60x60 30x30



DARKGREY 30x30



30x90

GREY 30x90

DARKGREY

30x90





30x90



DARKGREY LATTICE 30x90

LIGHTGREY ROLETY 30x90



GREY ROLETY 30x90



DARKGREY ROLETY 30x90



LATTICE MIX 30x90



ROLETY MIX 30x90



LIGHTGREY

MOSAIC

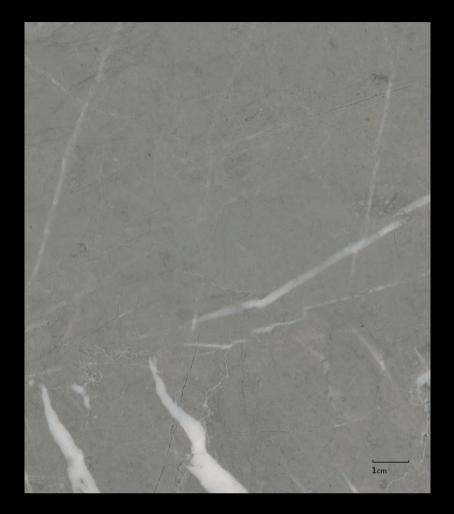


GREY MOSAIC

DARKGREY MOSAIC



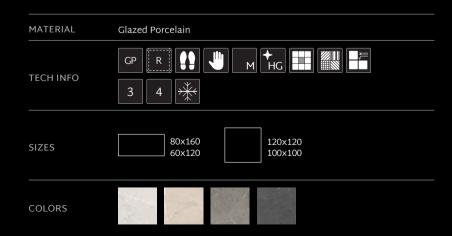
# KAMEN



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.



80X160 WHITE KAMEN 80X160



KAMEN 100X100 CREAM

80X160 SAND KAMEN

. munni

#### KAMEN glazed porcelain





WHITE 80x160 60x120



HITE 0x120 0x100



CREAM 80x160 60x120



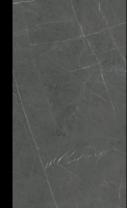
CREAM 120×120 100×100



SAND 80x160 60x120



SAND 120x120 100x100



80x160 60x120



120x120 100x100

#### KAMEN GLAZED PORCELAIN





WHITE





CREAM



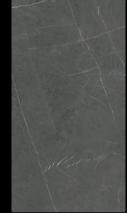
CREAM



SAND



SAND





# 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.



120X120 WHITE MARTA

MARTA 80X160 WHITE





WHITE 80x160



WHITE 120×120

# MYRA



Myra comes from the timelessness aesthetic of the marble Calacatta Gold. It is characterized by the off-white base in which veins of different thickness are traced in golden and grey colors.

It is offered in different sizes from a big slab to a 80x160 centimeters tile. A fantastic collection to grant personality and elegance to a space.











WHITE 80x160



WHITE 120x120

# PURE



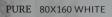
Pure is a marble that presents the purity in a subtle form through a duality between grey and white.

In turn, the matt finish and the delicacy that it transmits makes it in a warm, fascinating and timeless material with a unique touch which differentiates it from the rest of marbles.

Additionally, the technical characteristics are extraordinary, resulting a fine piece without the intrinsic imperfections from an ordinary stone with impurities, making the collection appropriate for any use.











WHITE 80x160 60x120 M 12 M 10



120x120 100x100 80x80





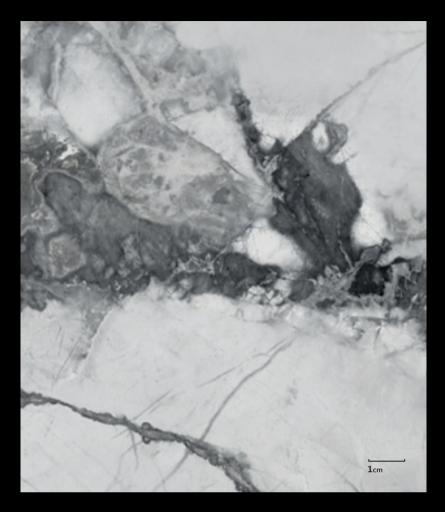
WHITE 80x160 60x120 +HG +HG



WHITE 120×120 100×100 80×80

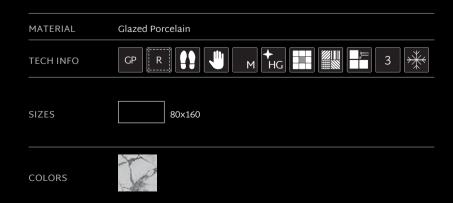


## WARP



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

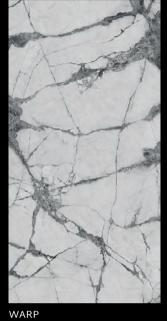
This design is one of the series with most personality of Spainker. That is because of the formats in which it is available. A big one of 80x160 and "bookmatch". The second one becomes especially noticeable during the installation, due to the symmetry between peaces. Furthermore, Warp is also characterized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



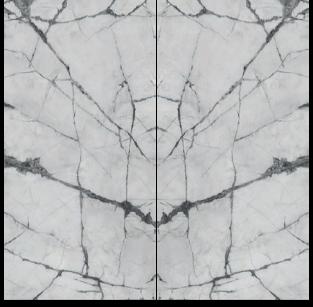








30x160



WARP BOOKMATCH 80×160

## TECHS AND SPECS

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GENERAL SPECIFICATIONS	300



### **SYMBOLOGY**

#### ICONS AND ABBREVATIONS





SUBSTANTIAL VARIATION



RIGHT LAYING

MULTI FACE

V4



ANTISLIP

TECHS AND SPECS

# PACKAGING

Size (cm)	Nominal Size (mm)	Working Size (mm)	Water Absorption Group	Thickness (mm)	Pieces/box	Sqm/box	Kg/Box	Boxes/ Pallet	Sqm/Pallet	Kg/Pallet	Pallet Size
80x160 RECTIFIED	800x1600	801×1601	Bla	12.5	1	1,28	37	45	57,6	1710	95x166
26,5x160 RECTIFIED	265x1600	261×1601	Bla	12,5	3	1,26	35	48	60,48	1740	95x166
120x120 RECTIFIED	1200x1200	1200x1200	Bla	12,5	1	1,44	39	44	63,36	1830	125x135
60x120 RECTIFIED	595x1195	594x1194	Bla	11,6	2	1,42	33,5	48	68,16	1750	106×106
20x120 RECTIFIED	195x1195	194x1194	BIIa	11,6	5	1,16	27	48	55,68	1320	113x133
100x100 RECTIFIED	1000×1000	1000×1000	Bla	11,7	2	1,81	49	24	43,44	1150	113x133
80x80 RECTIFIED	800x800	801x801	Bla	10,6	3	1,92	45	24	46,08	1105	111×111
60x60 RECTIFIED	595x595	592x592	BIB	10,5	4	1,4	34	32	44,8	1100	109x109
40x120 RECTIFIED	400x1200	400×1200	BIIa	11,6	3	1,44	36	48	69,12	1720	106x106
33x100 RECTIFIED	333x1000	333x1000	BIIa	11,5	4	1,33	30,2	54	71,82	1720	109x109
30x90 RECTIFIED	300x900	300x900	BIIa	10,5	4	1,08	24,9	54	58,32	1350	100×100
40x40 RECTIFIED	400x400	400x400	Bla	10,5	9	1,44	33,7	48	69,12	1600	109x109
30x30 RECTIFIED	300x300	300x300	Bla	9,6	15	1,35	26,6	54	72,9	1470	100×100

### **TECHNICAL FEATURES**

INTERNATIONAL STANDARDS

#### PHYSICAL PROPERTY

SPECIFICATION / DESCRIPTION OF TEST		STANDARD	GROUP. WATER A	BSORTION BIB	GROUP. WATER A	BSORTION BIIA	GROUP. WATER ABSORTION BIA (wall tile)		
DESCRIPT	ION OF TEST	NUMBER	std. criteria Tabriz Tile. criteria		std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	
water absor	ption (%)	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/mm²)	ISO10545-4	Min 30	MIn 35	Min 22	Min 30	Min 35 Individual Min 32	Min 37	
Breaking str	renght (N)	ISO10545-4	Min 1100	MIn 2000	Min 1000	MIn 1400	Not less than 1300	Min 2500	
Abrasion	Resistance to deep abrasion of unglazed tiles	ISO10545-6	**	**	**	**	**	**	
resistance	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 resi	stance	ISO10545-11	Required	pass	Required	pass	Required	pass	
Coefficient	of linear thermal expansion	ISO10545-8	Test Methed available	**	Test Methed available	**	Test Methed available	62,35x10 - 7	
Thermal sho	ok resistance	ISO10545-9	Test Methed available	pass	Test Methed available	pass	Test Methed available	pass	
Frost resista	ance	ISO10545-12	Test Methed available	pass	***	***	Required	pass	
Moistur exp	ansion	ISO10545-10	0.06%	0.02%	0.06%	0.02%	Test Method available	0.02%	
Small colour	r differences	ISO10545-16	Test Methed available	pass	Test Methed available	pass	Test Methed available	pass	
Impact resistance		ISO10545-5	Test Methed available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Methed available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Methed available coefficient of restitution > 0.5	coefficient of restitution > 0.7	

#### DIMENSIONS AND SURFACE QUALITY

SPECIFICATION /		STANDARD	GROU	GROUP. WATER ABSORTION BIB			GROUP. WATER ABSORTION BIIA				GROUP. WATER ABSORTION BIA (wall tile)			
	DESCRIPTION OF TEST		std. criteria		Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria	
			%	mm	%	mm	%	mm	%	mm	%	mm	%	mm
	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
Dimention	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
Straightnes: size)	Straightness of sides (mm) & (%working size)		± 0.5%	± 1.5	± 0.3%	± 1.0	± 0.5%	± 1.5	± 0.3%	± 1.0	±0.5%	± 1.5	± 0.3%	± 1.0
Rectangular	nity (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
	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
Surface flatness	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 qua	lity	ISO10545-2	959	%**	959	%**	959	%**	959	%**	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 /		STANDARD	GROUP. WATER	ABSORTION BIB	GROUP. WATER	ABSORTION BIIA	GROUP. WATER ABSORTION BIA (wall tile)		
DESCRIPTION OF	TEST	NUMBER	BER std. criteria Tabriz Tile. criteria		std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	
Resistance to staining			Min class 3	class 4	Min class 3	class 4	Min class 3	class 4	
Resistance to low concentrations (class)		ISO10545-13	Test Methed available	GLA	Test Methed available	GLA	Manufacturer to state classification	GLA	
Resistance to high (class)	concentrations	ISO10545-13	Test Methed available	GHB	Test Methed available	GHB	Test Methed 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 Methed available	***	Test Methed available	***	Test Methed available	***	

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

## **TECHNICAL FEATURES**

IRANIAN STANDARDS

#### PHYSICAL PROPERTY

	SPECIFICATION / DESCRIPTION		GROUP. WATER A	BSORTION BIB	GROUP. WATER A	BSORTION BIIA	GROUP. WATER ABSORTION BIII (wall tile)		
OFTEST		NUMBER	std. criteria Tabriz Tile. criteria		std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	
water absor	ption (%)	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/mm²)	INSO-9169-4	Min 30	MIn 35	Min 22	Min 30	Min 35 Individual Min 32	Min 37	
Breaking str	renght (N)	INSO-9169-4	Min 1100	MIn 2000	Min 1000	MIn 1400	Not less than 1300	Min 2500	
Abrasion	Resistance to deep abrasion of unglazed tiles	INSO-9169-7	**	**	**	**	**	**	
resistance	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 resi	stance	INSO-9169-11	Required	pass	Required	pass	Required	pass	
Coefficient	of linear thermal expansion	INSO-9169-8	Test Methed available	**	Test Methed available	est Methed available **		62,35x10 - 7	
Thermal sho	ok resistance	INSO-9169-9	Test Methed available	pass	Test Methed available	pass	Test Methed available	pass	
Frost resista	ance	INSO-9169-12	Test Methed available	pass	***	***	Required	pass	
Moistur exp	ansion	INSO-9169-10	0.06%	0.02%	0.06%	0.02%	Test Method available	0.02%	
Small colou	r differences	INSO-9169-16	Test Methed available	pass	Test Methed available	pass	Test Methed available	pass	
Impact resistance		INSO-9169-5	Test Methed available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Methed available coefficient of restitution > 0.55	coefficient of restitution > 0.7	Test Methed available coefficient of restitution > 0.5	coefficient of restitution > 0.7	

#### DIMENSIONS AND SURFACE QUALITY

SPECIEICA	SPECIFICATION /		GROUP. WATER A				GROUP. WATER ABSORTION BIIA				GROUP. WATER ABSORTION BIII (wall tile)			
	ION OF TEST	NUMBER	std. c	riteria	Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria		std. criteria		Tabriz Tile. criteria	
			%	mm	%	mm	%	mm	%	mm	%	mm	%	mm
	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
Dimention	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
Straightnes size)	Straightness of sides (mm) & (%working size)		±0.5%	± 1.5	± 0.3%	± 1.0	± 0.5%	± 1.5	± 0.3%	± 1.0	± 0.5%	± 1.5	± 0.3%	± 1.0
Rectangula	nity (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
	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
Surface flatness	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 qua	Surface quality		959	%**	959	%**	959	%**	95%	⁄ó**	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 /		STANDARD	GROUP. WATER	ABSORTION BIB	GROUP. WATER	ABSORTION BIIA	GROUP. WATER ABSORTION BIII (wall tile)		
DESCRIPTION OF	TEST	NUMBER	std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	std. criteria	Tabriz Tile. criteria	
Resistance to staining			Min class 3	class 4	Min class 3	class 4	Min class 3	class 4	
Resistance to low concentrations (class)		ISO10545-13	Test Methed available	GLA	Test Methed available	GLA	Manufacturer to state classification	GLA	
Resistance to high (class)	concentrations	ISO10545-13	Test Methed available	GHB	Test Methed available	СНВ	Test Methed 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 Methed available	***	Test Methed available	***	Test Methed available	***	

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

### **GENERAL SPECIFICATIONS**

LAYING RECOMMENDATIONS

For a proper use of our products it is neccesary 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 tilling 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 crossheds 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 filed 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, incluiding the grout. Clean the rest of the site with the appropriate products. Contact the dealer and never use products that contain Hydroflouric 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

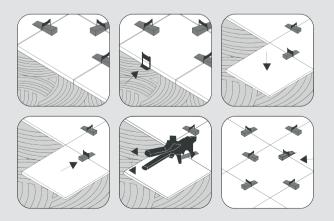
> First, set the tool to the scale according to the ceramic thickness.

> 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.

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.

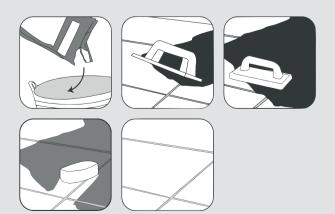
#### NOTE

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



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Claims on installed equipment for visible damage prior to installing will not be accepted.



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