



Our brand

Polished surfaces

8 Cold polished surfaces

Warm polished surfaces

Tech Matt surfaces

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Matt surfaces

Concrete

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Technical info

## What's New

08 Polished Surfaces

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## **Tech Matt**

Tech Matt is a high performance surface, first introduced in ISPIRA marble designs. This surface is highly ambitious in terms of size and aspirations, without sacrificing the quality and durability of the material, which guarantees beauty and impeccable performance over a period of time.



50 Matt Surfaces

58 Cast Concrete





70 Limestone









84

## **Fusion**

A beautiful amalgamation of Cast Concrete & Cherry Wood Collection for architectural solutions.





| Porcelain stoneware (International standard) | Vitrified stoneware (Indian standard) | 9 mm thickness | Rectified

# Reflect your vibrant lifestyle

Innovative proposals that capture and return light with evocative optical effects.

#### Design

Marble look, for architectural solutions characterized by an attractive reflective style.

#### Inspirations

24 cold looks and 23 warm looks inspired by marbles of fascinating beauty

#### Sizes

To ensure all the potential of design versatility.

Polished surfaces

Wall: Grey Venezuela Polished 120x120 cm

Floor: Black Marguina Polished 60x120 cm



#### Marble | Polished | Cold

Available sizes: no. of faces **A** 120 x 240 cm 2 **B** 80 x 160 cm **C** 120 x 120 cm 4 **D** 60 x 120 cm

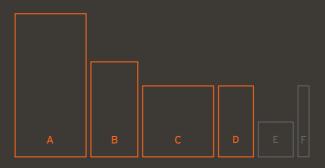


tile graphics preview have size 120x240 cm









## Dolce Vita

### Marble | Polished | Cold

Available sizes: no. of faces **A** 120 x 240 cm **B** 80 x 160 cm **C** 120 x 120 cm **D** 60 x 120 cm



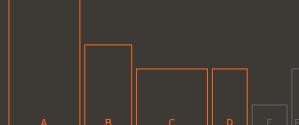
tile graphics preview have size 120x240 cm















## Marble | Polished | Cold

Available sizes:				no. of faces	
A	120	Χ	240	cm	3
В	80	Χ	160	cm	6
С	120	Χ	120	cm	6
D	60	Х	120	cm	12

tile graphics preview have size 120x240 cm











## Marble | Polished | Cold

Available sizes:				no. of face
Α	120 >	240	cm	3
В	80 >	( 160	cm	6
С	120 >	( 120	cm	6
D	60 >	( 120	cm	12



tile graphics preview have size 120x240 cm

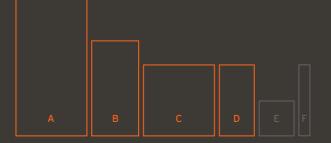












## Lilac White

## Marble I Polished I Cold

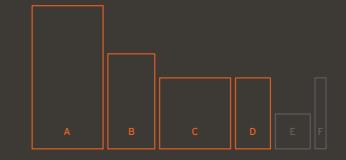
Available sizes:				no. of fac	
Α	120	Χ	240	cm	2
В	80	Х	160	cm	4
С	120	Χ	120	cm	4
D	60	х	120	cm	7



tile graphics preview have size 120x240 cm







## Marble | Polished | Cold

Αv	ailable sizes:	no. of faces	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

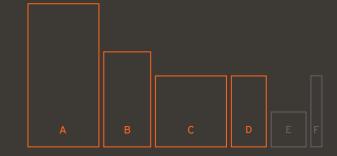














## Sofia Grey

## Marble | Polished | Cold

A٧	ailable sizes	no. of faces	
Α	120 x 240	cm	4
В	80 x 160	cm	8
С	120 x 120	cm	8
D	60 x 120	cm	16



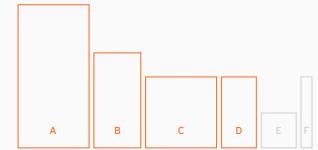
tile graphics preview have size 120x240 cm











## Valencia Gris

#### Marble | Polished | Cold

Αv	ailable sizes	no. of face	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

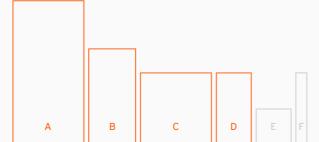












## Carnico Grey

### Marble | Polished | Cold

Ava	ailable sizes:	no. of fac	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



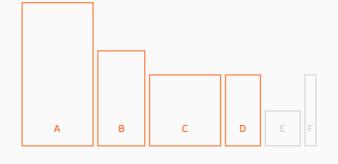
tile graphics preview have size 120x240 cm











## Grey Venezuela

## Marble | Polished | Cold

Αv	ailable sizes:	no. of faces	
Α	120 x 240	cm	3
В	80 x 160	cm	7
С	120 x 120	cm	6
D	60 x 120	cm	11



tile graphics preview have size 120x240 cm



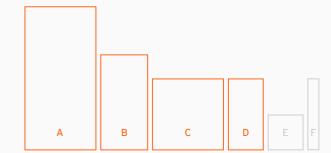












## Grigio Serena

## Marble I Polished I Cold

A۷	ailable sizes:	no. of face:	
Α	120 x 240	cm	4
В	80 x 160	cm	7
С	120 x 120	cm	8
D	60 v 120	cm	15



tile graphics preview have size 120x240 cm





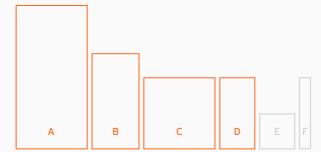








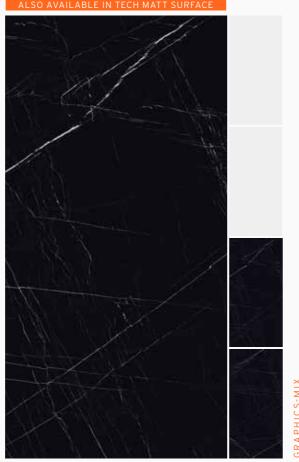




## Black Marquina

## Marble I Polished I Cold

Av	ailable sizes:	no. of face	
Α	120 x 240	cm	2
В	80 x 160	cm	4
С	120 x 120	cm	4
D	60 x 120	cm	8



tile graphics preview have size 120x240 cm



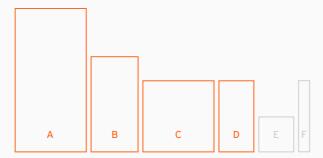


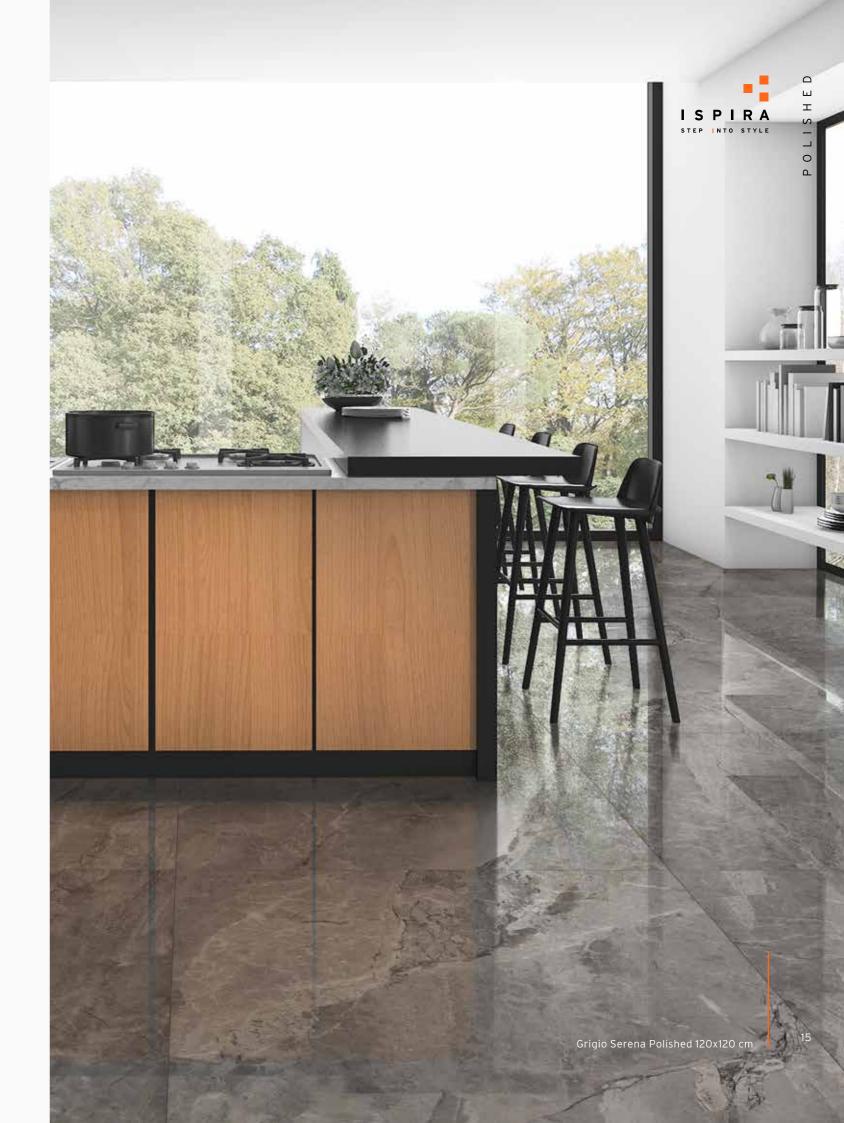














## Bullberry Grey

## Marble | Polished | Cold

Αv	ailable sizes:		no. of faces
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



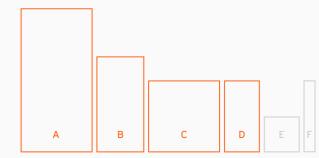
tile graphics preview have size 120x240 cm











## Bullberry Nero

### Marble | Polished | Cold

Ava	ailable sizes:	no. of fac	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

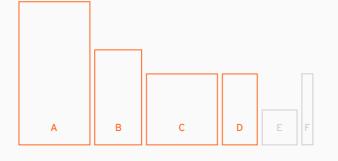












## Green Onyx

## Marble | Polished | Cold

Αv	ailable sizes:	no. of face	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

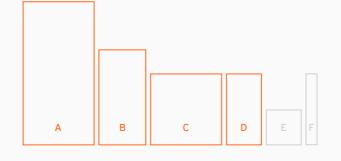








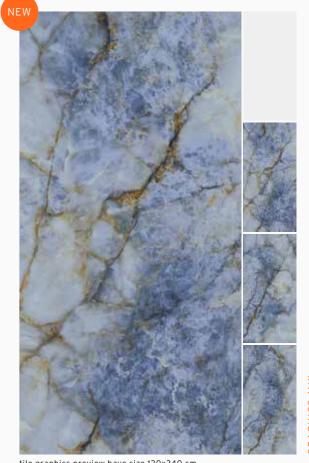




## Riviera Blue

### Marble | Polished | Cold

Αva	ailable sizes	:	no. of face
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

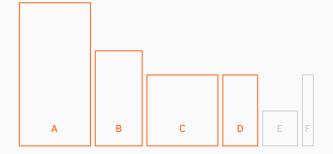












## Tobacco Steel

## Marble | Polished | Cold

A٧	ailable sizes:	no. of faces	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm





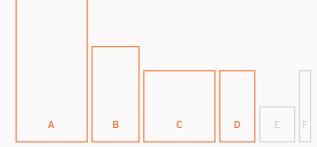








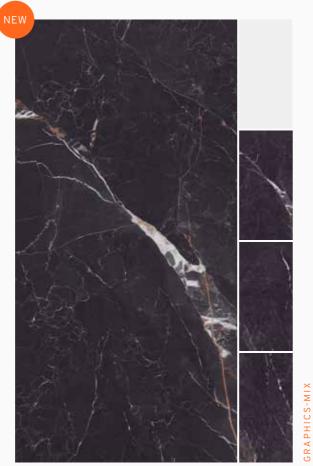




## Antigua

## Marble | Polished | Cold

Αv	ailable sizes:	no. of face
Α	120 x 240 cm	n 3
В	80 x 160 cm	n 6
С	120 x 120 cm	n 6
D	60 x 120 cm	n 12



tile graphics preview have size 120x240 cm



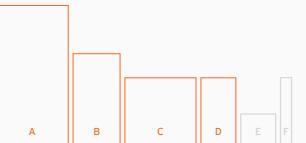














## Elegant Gris

## Marble I Polished I Cold

Available sizes: no. of faces **D** 60 x 120 cm 6



tile graphics preview have size 60x120 cm















## Elegant Nero

## Marble I Polished I Cold





tile graphics preview have size 60x120 cm





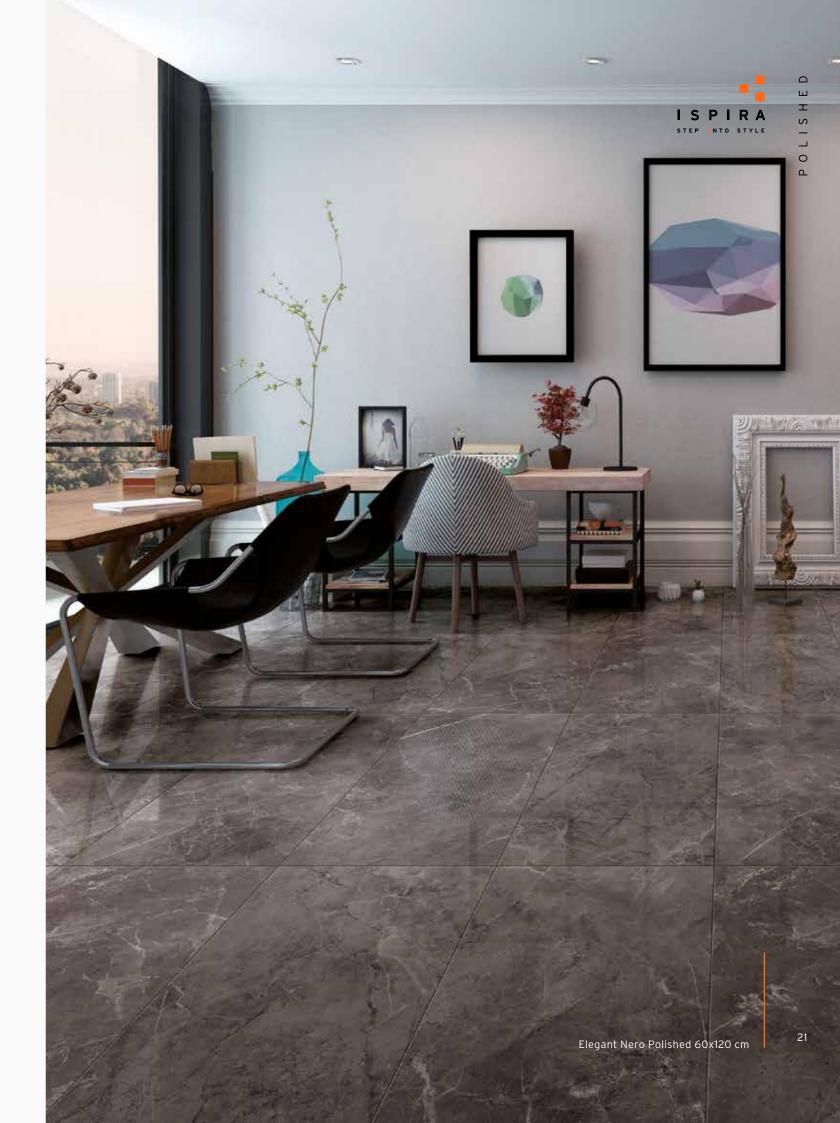












# ISPIRA

## Bianco

#### Marble | Polished | Cold

Available sizes: no. of faces **D** 60 x 120 cm 1

## Marble | Polished | Cold

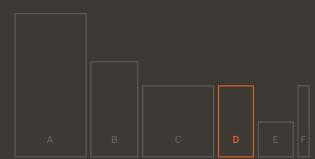
Earth Grey Light

Available sizes: no. of faces **D** 60 x 120 cm 6

tile graphics preview have size 60x120 cm



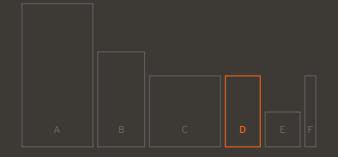




tile graphics preview have size 60x120 cm







## Earth Grey Dark

#### Marble I Polished I Cold

Available sizes: no. of faces **D** 60 x 120 cm 6

## Golden Portoro

#### Marble I Polished I Cold



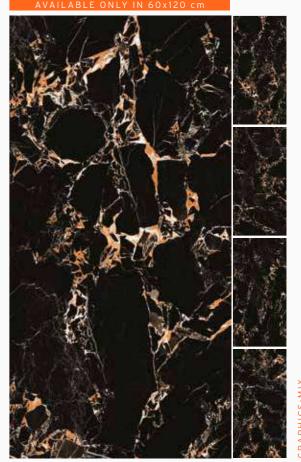












tile graphics preview have size 60x120 cm













## Marble Decor Cold

## Marble I Polished I Cold



tile graphics preview have size 60x120 cm





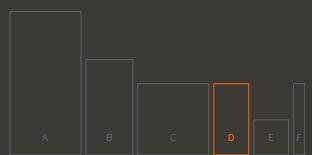


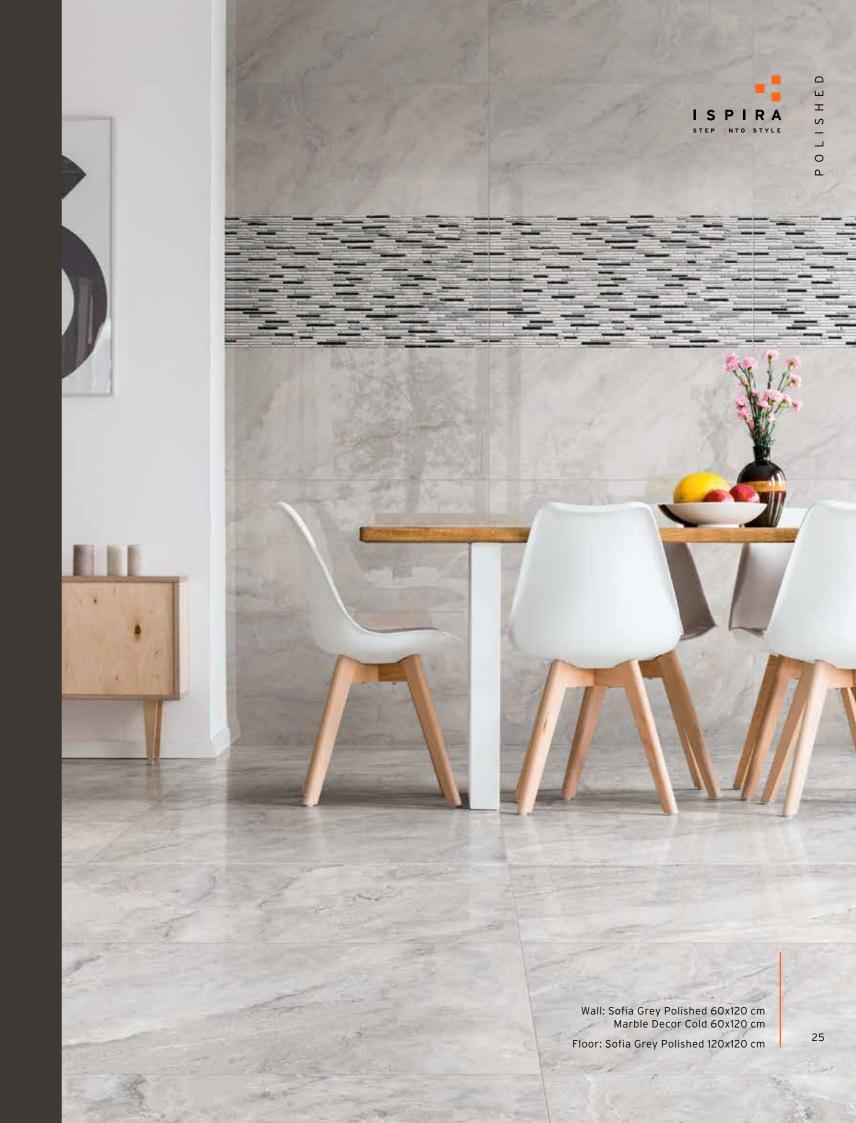
















### Marble I Polished I Warm

Available sizes: no. of faces **C** 120 x 120 cm **D** 60 x 120 cm



tile graphics preview have size 120x240 cm



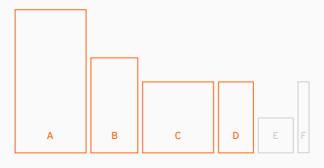
Warm polished surfaces

Beige Royal Polished 120x120 cm









## Beige Royal

### Marble I Polished I Warm

Αv	ailable sizes	no. of fac	
Α	120 x 240	cm	4
В	80 x 160	cm	8
С	120 x 120	cm	8
D	60 x 120	cm	16



tile graphics preview have size 120x240 cm

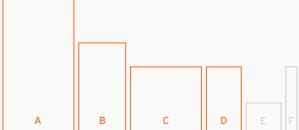












# ISPIRA

## Arizona Beige

### Marble I Polished I Warm

A۷	ailable sizes:		no. of faces
Α	120 x 240	cm	4
В	80 x 160	cm	8
С	120 x 120	cm	8
D	60 x 120	cm	12



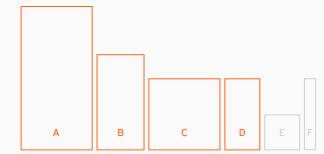
tile graphics preview have size 120x240 cm











## Dyna

### Marble I Polished I Warm

Av	ailabl	e	sizes	:	no. of face
Α	120	Х	240	cm	2
В	80	Х	160	cm	3
С	120	Х	120	cm	4
D	60	Х	120	cm	7



tile graphics preview have size 120x240 cm

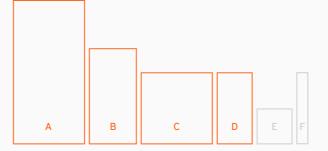












## Crema Marfil

#### Marble I Polished I Warm

Αv	ailable sizes:	:	no. of fac
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12

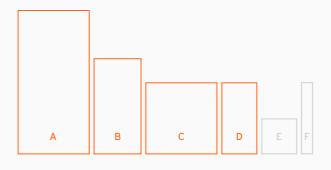


tile graphics preview have size 120x240 cm









## Botticino

#### Marble I Polished I Warm

Αv	ailable	sizes	:	no. of face
Α	120 >	< 240	cm	2
В	80 >	( 160	cm	4
С	120 >	( 120	cm	4
D	60 x	( 120	cm	8



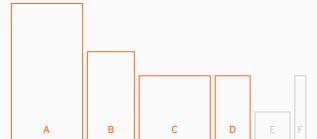
tile graphics preview have size 120x240 cm













## Valencia Crema

#### Marble I Polished I Warm

Αv	ailable sizes:		no. of faces
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 v 120	cm	12



tile graphics preview have size 120x240 cm













## Valencia Bronze

#### Marble I Polished I Warm

Αv	ailable sizes:		no. of face
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

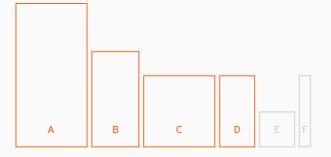












## Atlantica Beige

### Marble I Polished I Warm

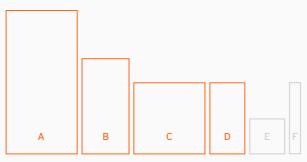
Av	ailable sizes:	1	no. of face
Α	120 x 240 d	cm	4
В	80 x 160 d	cm	8
С	120 x 120 d	cm	8
D	60 x 120 d	cm	16











## Atlantica Brown

#### Marble I Polished I Warm

Ava	ailable size	es:	no. of face
Α	120 x 24	0 cm	4
В	80 x 16	0 cm	8
С	120 x 120	o cm	8
D	60 x 120	n cm	16



tile graphics preview have size 120x240 cm

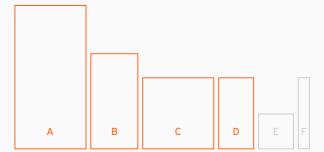












# ISPIRA

## Bullberry Crema

### Marble | Polished | Warm

A۷	ailable sizes:	no. of faces	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

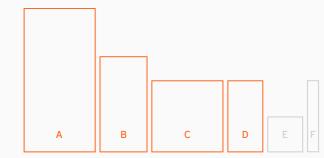












## Bullberry Oro

### Marble | Polished | Warm

Av	ailable sizes:	no. of fac	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



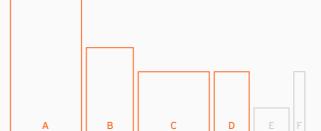
tile graphics preview have size 120x240 cm











## Tobacco Ivory

### Marble | Polished | Warm

Av	ailable sizes:		no. of face
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



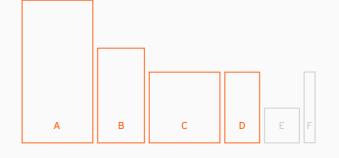
tile graphics preview have size 120x240 cm











## Tobacco Brown

#### Marble | Polished | Warm

Ava	ailable sizes	no. of face	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



tile graphics preview have size 120x240 cm

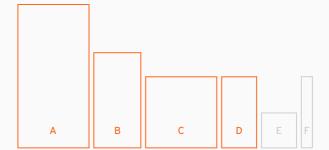














## Honey Onyx

## Marble | Polished | Warm

Available sizes:					no. of fac
Α	120	Χ	240	cm	2
В	80	Χ	160	cm	4
С	120	Χ	120	cm	4
D	60	Χ	120	cm	8









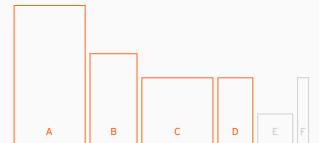


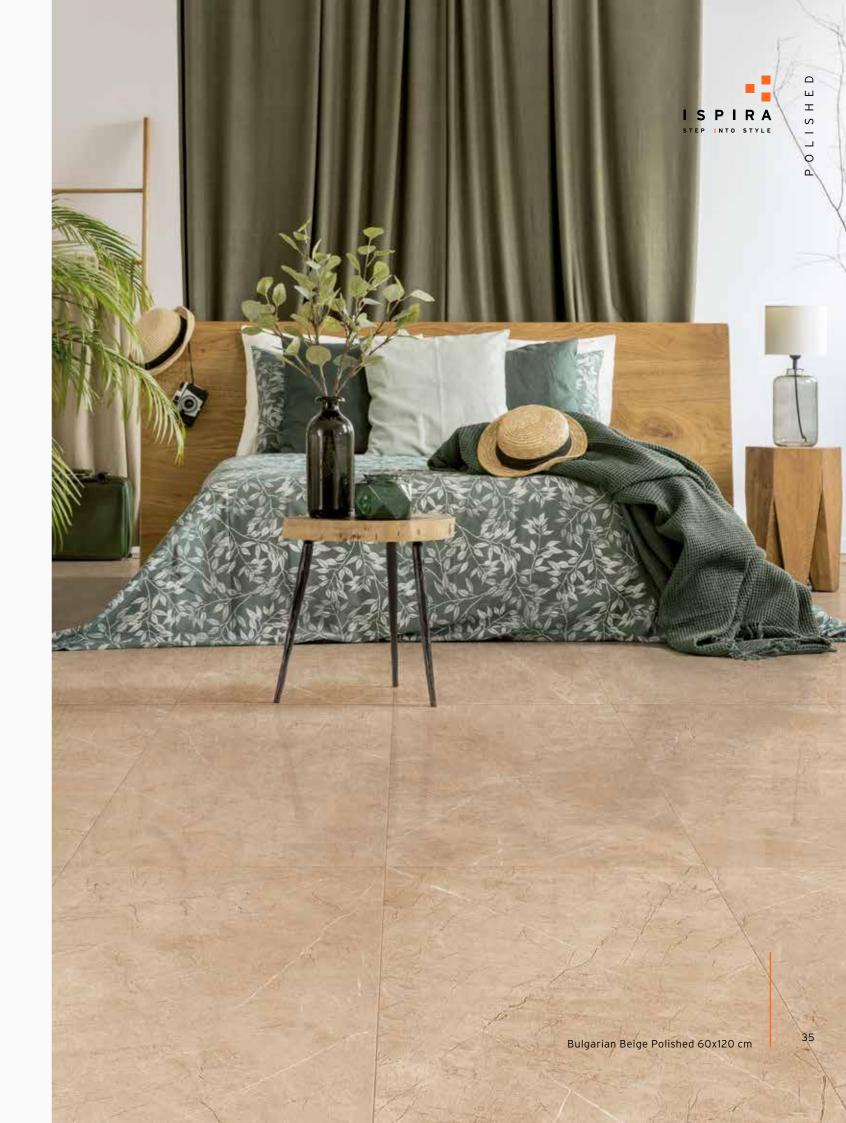














## Bulgarian Crema

#### Marble | Polished | Warm

Available sizes: no. of faces **D** 60 x 120 cm 6

## Bulgarian Beige

#### Marble | Polished | Warm

Available sizes: no. of faces **D** 60 x 120 cm 6

## Fiorito Beige

#### Marble | Polished | Warm

Available sizes: no. of faces **D** 60 x 120 cm 8

## Smoky Brown

#### Marble | Polished | Warm











tile graphics preview have size 60x120 cm





















tile graphics preview have size 60x120 cm













## Earth Beige

#### Marble | Polished | Warm

Available sizes: no. of faces **D** 60 x 120 cm 6

# Earth Brown

#### Marble | Polished | Warm

Available sizes: no. of faces **D** 60 x 120 cm 6

tile graphics preview have size 60x120 cm















tile graphics preview have size 60x120 cm













## Victoria Crema

#### Marble | Polished | Warm

Available sizes: no. of faces **D** 60 x 120 cm 6

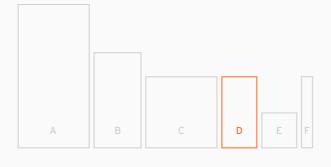
tile graphics preview have size 60x120 cm











## Victoria Beige

#### Marble | Polished | Warm



tile graphics preview have size 60x120 cm











## Marble Decor Warm

## Marble | Polished | Warm









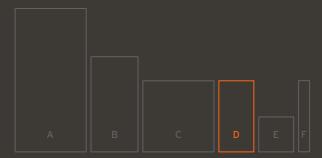
















## Marble | Tech Matt | Cold

Available sizes:					no. of face
Α	120	х	240	cm	2
В	80	х	160	cm	4
С	120	х	120	cm	4
D	60	Х	120	cm	8



tile graphics preview have size 120x240 cm













### Marble | Tech Matt | Cold

Ava	ailable sizes:	no. of face:	
Α	120 x 240	cm	3
В	80 x 160	cm	6
С	120 x 120	cm	6
D	60 x 120	cm	12



INDOOR	
COMMERCIAL	RE:
SETTINGS	9

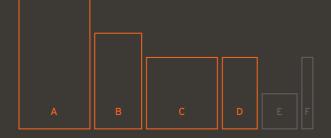












## Marble | Tech Matt | Cold

Available sizes:				no. of fac	
Α	120	Х	240	cm	3
В	80	Х	160	cm	6
С	120	Х	120	cm	6
D	60	Х	120	cm	12





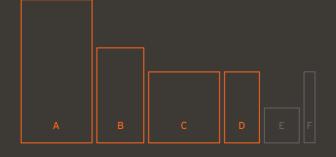












## Lilac White

## Marble | Tech Matt | Cold

Ava	ailable size	s:	no. of face
Α	120 x 240	cm	2
В	80 x 160	cm	4
С	120 x 120	cm	4
n	60 v 120	a ma	7



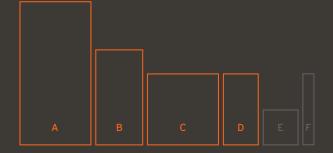












## Sofia Grey

### Marble | Tech Matt | Cold

Αv	ailable sizes:	no. of faces	
Α	120 x 240	cm	4
В	80 x 160	cm	8
С	120 x 120	cm	8
D	60 x 120	cm	16



tile graphics preview have size 120x240 cm

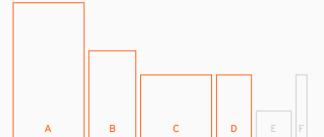












## Grey Venezuela

## Marble | Tech Matt | Cold

Available sizes:			no. of face
Α	120 x 240	cm	3
В	80 x 160	cm	7
С	120 x 120	cm	6
D	60 x 120	cm	11



tile graphics preview have size 120x240 cm











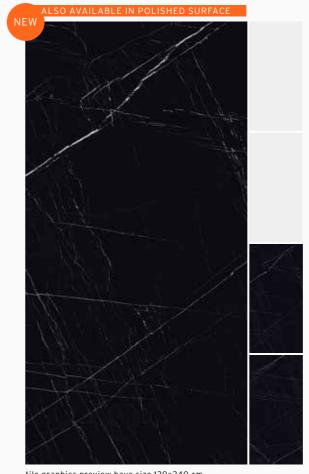




## Black Marquina

## Marble | Tech Matt | Cold

Available sizes:			no. of face
Α	120 x 240	cm	2
В	80 x 160	cm	4
С	120 x 120	cm	4
D	60 x 120	cm	8



tile graphics preview have size 120x240 cm



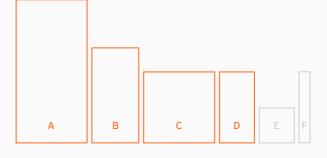












## Botticino

### Marble | Tech Matt | Warm

Αv	ailable sizes:	no. of face	
Α	120 x 240	cm	2
В	80 x 160	cm	4
С	120 x 120	cm	4
D	60 x 120	cm	8



tile graphics preview have size 120x240 cm

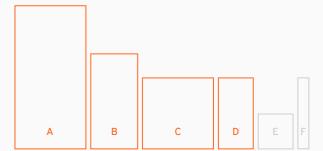












## Crema Marfil

## Marble | Tech Matt | Warm

A۷	ailable sizes:	no. of fac
Α	120 x 240 cr	m 3
В	80 x 160 cr	m 6
С	120 x 120 cr	m 6
D	60 x 120 cr	n 12



tile graphics preview have size 120x240 cm



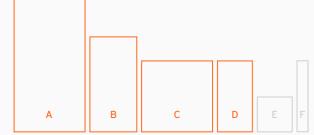












## Regal Beige

## Marble | Tech Matt | Warm

Available sizes: no. of faces **A** 120 x 240 cm 80 x 160 cm **C** 120 x 120 cm 60 x 120 cm



tile graphics preview have size 120x240 cm





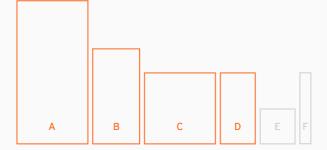


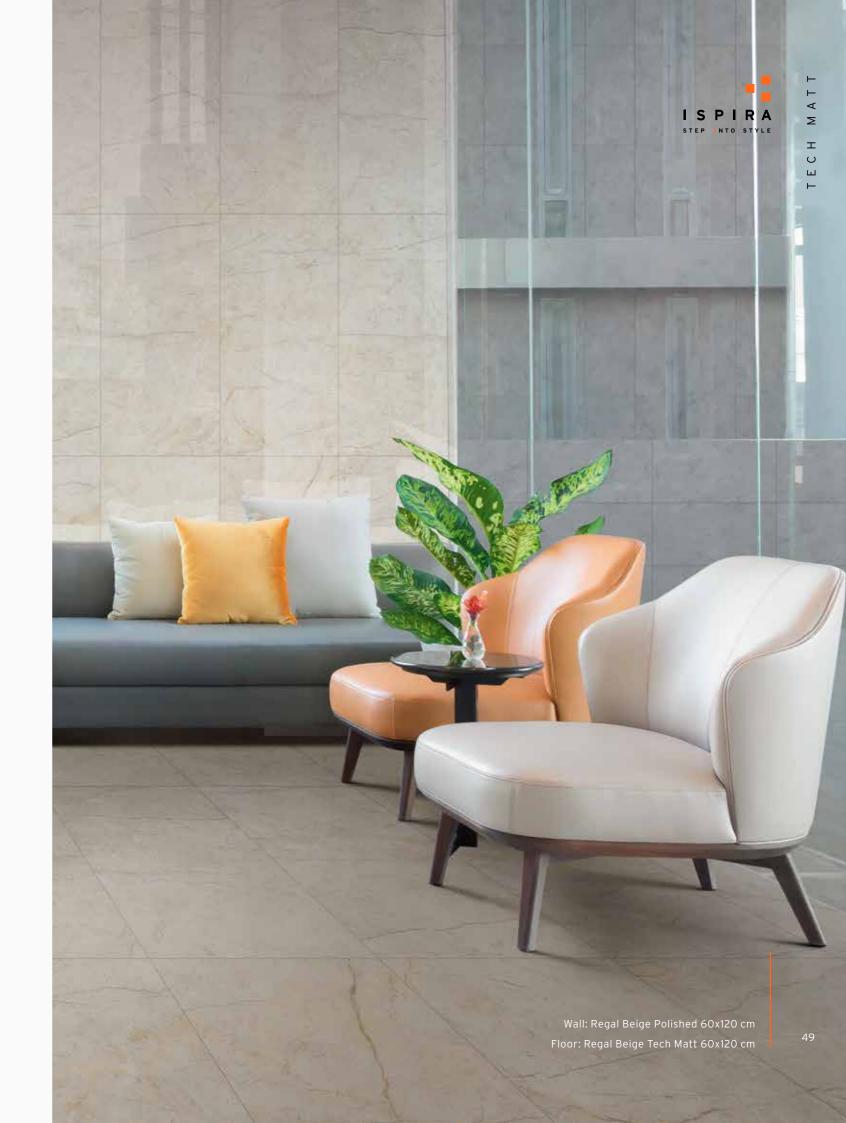












in their natural essentiality.

Design

Concrete, Stone, Wood and Fusion, to find the most suitable natural accent for every location.

38

#### Inspiration:

12 looks inspired by the expressive power of concrete, 11 looks inspired by the natural character of the stones,

9 looks inspired by the warmth of natural wood and 6 looks inspired by a beautiful amalgamation of cast concrete & cherry wood.

#### Size

To propose a wide variety of installation solutions.

Matt surfaces

Wall: Prolith Crema 60x120 cm



#### Concrete | Matt | Warm

Available sizes: no. of faces **B** 80 x 160 cm 4 **D** 60 x 120 cm 4 **E** 60 x 60 cm

## Stained Concrete Taupe

#### Concrete | Matt | Warm

Available sizes: no. of faces **B** 80 x 160 cm **D** 60 x 120 cm **E** 60 x 60 cm



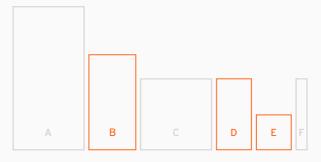
tile graphics preview have size 60x120 cm













tile graphics preview have size 60x120 cm













Wall: Stained Concrete Taupe 60x120 cm Floor: Stained Concrete Beige 60x60 cm

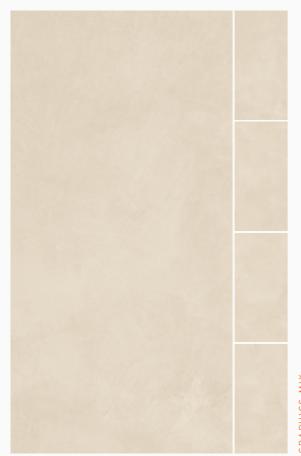
Concrete matt surfaces



## Stained Concrete Avorio

#### Concrete | Matt | Warm

Available sizes:			no. of face
В	80 x 160	cm	4
D	60 x 120	cm	4
Ε	60 x 60	cm	8



tile graphics preview have size 60x120 cm











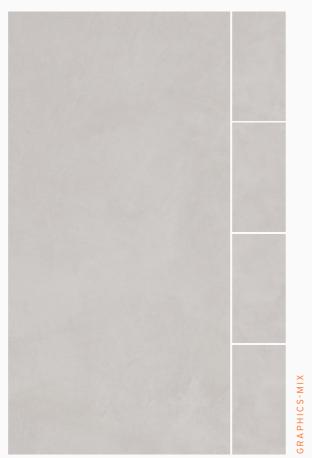




## Stained Concrete Bianco

#### Concrete | Matt | Cold

Available sizes:			no. of face	
	В	80 x 160	cm	4
	D	60 x 120	cm	4
	E	60 x 60	cm	8



tile graphics preview have size 60x120 cm



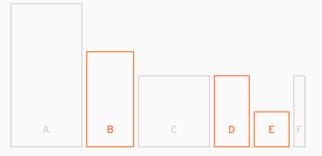












## Stained Concrete Grigio

#### Concrete | Matt | Cold

Available sizes:			no. of face
В	80 x 160	cm	4
D	60 x 120	cm	4
Ε	60 x 60	cm	8

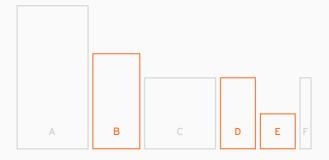








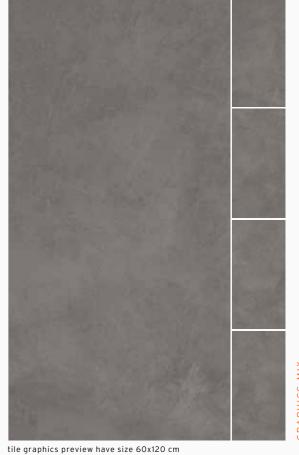




## Stained Concrete Nero

#### Concrete | Matt | Cold

Available sizes:			no. of face
В	80 x 160	cm	4
D	60 x 120	cm	4
F	60 v 60	cm	0



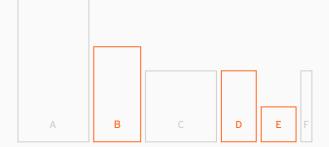












# Stained Concrete Decor Warm

## Concrete | Matt | Warm

Available sizes: no. of faces **D** 60 x 120 cm 1



tile graphics preview have size 60x120 cm







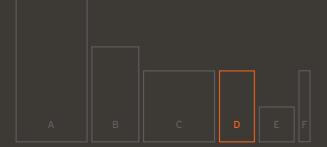






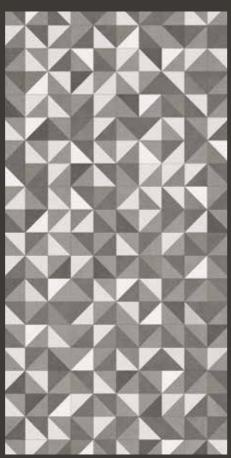






# Stained Concrete Decor Cold

## Concrete | Matt | Cold





















## Concrete | Matt | Warm

Available sizes: no. of faces **C** 120 x 120 cm 9 **D** 60 x 120 cm 18 **E** 60 x 60 cm

tile graphics preview have size 60x120 cm

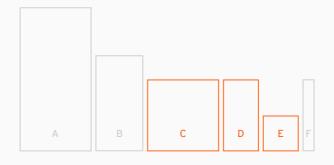












## Cast Concrete Taupe

## Concrete | Matt | Warm

Available sizes: no. of faces **C** 120 x 120 cm **D** 60 x 120 cm **E** 60 x 60 cm



tile graphics preview have size 60x120 cm



















## Cast Concrete Brown

### Concrete | Matt | Warm

Available sizes:			no. of face
С	120 x 120	cm	9
D	60 x 120	cm	18
F	60 v 60	cm	36



tile graphics preview have size 60x120 cm

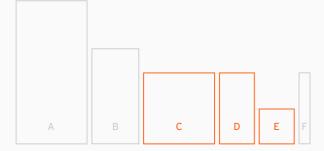












## Cast Concrete Ash

### Concrete | Matt | Cold

Available sizes:			no. of face
С	120 x 120	cm	9
D	60 x 120	cm	18
Ε	60 x 60	cm	36



tile graphics preview have size 60x120 cm















## Cast Concrete Grigio

## Concrete | Matt | Cold

Available sizes:			no. of face
С	120 x 120	cm	9
D	60 x 120	cm	18
Е	60 x 60	cm	36



tile graphics preview have size 60x120 cm



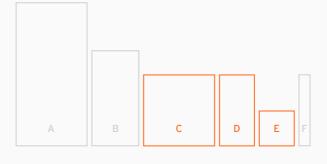












## Cast Concrete Nero

## Concrete | Matt | Cold

A٧	ailable sizes	no. of face	
С	120 x 120	cm	9
D	60 x 120	cm	18
Е	60 x 60	cm	36



tile graphics preview have size 60x120 cm



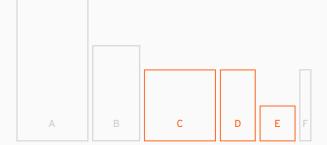














### Stone | Matt | Cold

Available sizes: no. of faces **B** 80 x 160 cm 4 **D** 60 x 120 cm 4 **E** 60 x 60 cm 8

## Prolith Grigio Scuro

### Stone | Matt | Cold

Available sizes: no. of faces **B** 80 x 160 cm 4 **E** 60 x 60 cm 8



tile graphics preview have size 60x120 cm

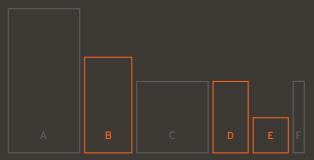














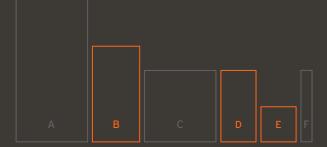
tile graphics preview have size 60x120 cm











Wall: Prolith Grigio Chiaro 60x60 cm Floor: Prolith Grigio Scuro 60x60 cm

Stone matt surfaces



## Prolith Nero

## Stone | Matt | Cold

Ava	ailable sizes	no. of faces	
В	80 x 160	cm	4
D	60 x 120	cm	4
F	60 v 60	cm	Ω



tile graphics preview have size 60x120 cm



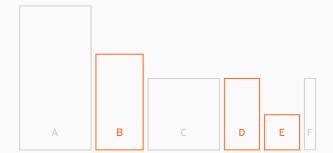












## Prolith Crema

### Stone | Matt | Warm

Available sizes:			no. of fac
В	80 x 160	cm	4
D	60 x 120	cm	4
Ε	60 x 60	cm	8



tile graphics preview have size 60x120 cm



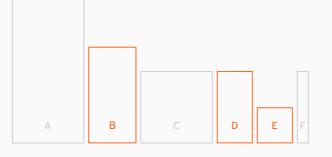












## Prolith Beige

## Stone | Matt | Warm

Ava	ailable sizes	no. of face	
В	80 x 160	cm	4
D	60 x 120	cm	4
Ε	60 x 60	cm	8



tile graphics preview have size 60x120 cm

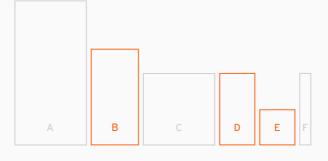












## Prolith Brown

## Stone | Matt | Warm

Ava	ailable sizes	no. of faces	
В	80 x 160	cm	4
D	60 x 120	cm	4
Е	60 x 60	cm	8



tile graphics preview have size 60x120 cm













## Prolith Decor Warm

### Stone | Matt | Warm

Available sizes: no. of faces **D** 60 x 120 cm 1



tile graphics preview have size 60x120 cr







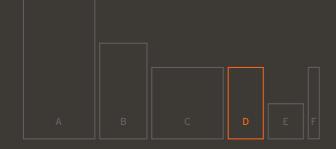












## Prolith Decor Cold

#### Stone | Matt | Cold



tile graphics preview have size 60x120 cm





















### Stone | Matt | Cold

Available sizes: no. of faces **B** 80 x 160 cm **D** 60 x 120 cm **E** 60 x 60 cm

## Limestone Grigio Scuro

### Stone I Matt I Cold

Available sizes: no. of faces **B** 80 x 160 cm **D** 60 x 120 cm **E** 60 x 60 cm

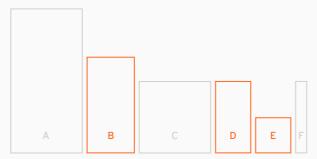














tile graphics preview have size 60x120 cm

















## Limestone Nero

## Stone | Matt | Cold

Ανā	ilable sizes	no. of faces	
В	80 x 160	cm	6
D	60 x 120	cm	12
Ε	60 x 60	cm	24

tile graphics preview have size 60x120 cm















## Limestone Beige

#### Stone I Matt I Warm

Ava	ilable sizes	no. of face	
В	80 x 160	cm	6
D	60 x 120	cm	12
Ε	60 x 60	cm	24



tile graphics preview have size 60x120 cm

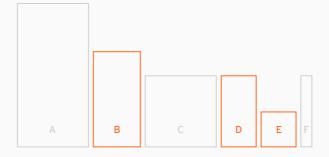












## Limestone Avorio

#### Stone | Matt | Warm

Ava	ailable sizes	no. of face	
В	80 x 160	cm	6
D	60 x 120	cm	12
Ε	60 x 60	cm	24



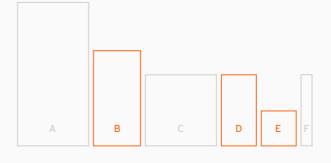












## Limestone Decor Grigio Chiaro

## Stone | Matt | Cold



















## Limestone Decor Grigio Scuro

#### Stone | Matt | Cold

Available sizes: no. of faces **D** 60 x 120 cm

tile graphics preview have size 60x120 cm

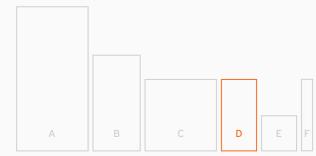












## Limestone Decor Nero

#### Stone | Matt | Cold

Available sizes: no. of faces **D** 60 x 120 cm



tile graphics preview have size 60x120 cm



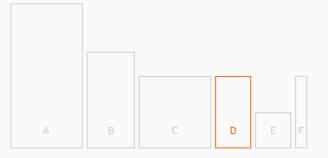












## Limestone Decor Beige

#### Stone | Matt | Warm

Available sizes: no. of faces **D** 60 x 120 cm

### Stone | Matt | Warm

Available sizes: no. of faces **D** 60 x 120 cm

Limestone Decor Avorio

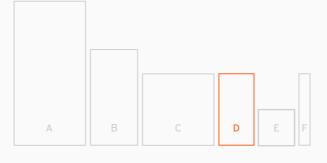














tile graphics preview have size 60x120 cm



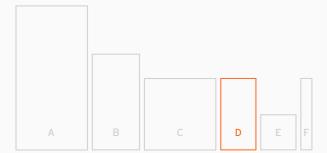
















## Urban-wood Light

#### Wood | Matt | Warm

Available sizes: no. of faces **F** 20 x 120 cm 12



tile graphics preview have size 20x120 cm



















## Urban-wood Classic

#### Wood | Matt | Warm

Available sizes: no. of faces **F** 20 x 120 cm 12



tile graphics preview have size 20x120 cm



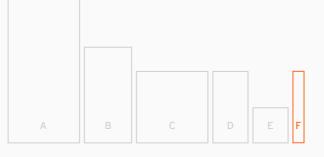












## Urban-wood Natural

#### Wood | Matt | Warm

Available sizes: no. of faces **F** 20 x 120 cm

#### Wood | Matt | Warm

Available sizes: no. of faces **F** 20 x 120 cm 12

Urban-wood Dark





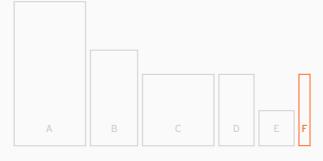














tile graphics preview have size 20x120 cm















## Urban-wood Parquet Light

#### Wood | Matt | Warm

Available sizes: no. of faces **D** 60 x 120 cm 4



tile graphics preview have size 60x120 cm













## Urban-wood Parquet Classic

#### Wood | Matt | Warm

Available sizes: no. of faces **D** 60 x 120 cm 4



tile graphics preview have size 60x120 cm















## Urban-wood Parquet Natural

#### Wood | Matt | Warm

Available sizes: no. of faces **D** 60 x 120 cm 4



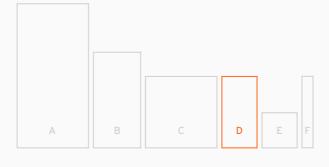












## Urban-wood Parquet Dark

## Wood | Matt | Warm



tile graphics preview have size 60x120 cm

















## Wood | Matt | Warm

Available sizes: no. of faces **F** 20 x 120 cm 24

## Cherry Wood Classic

## Wood | Matt | Warm



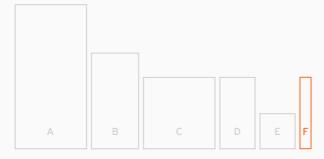


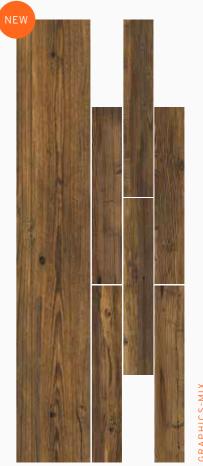












tile graphics preview have size 20x120 cm



















## Cherry Wood Natural

## Wood | Matt | Warm

Available sizes: no. of faces **F** 20 x 120 cm 24

## Cherry Wood Vintage

## Wood | Matt | Cold

Available sizes: no. of faces **F** 20 x 120 cm 24

## Cherry Wood Weathered

## Wood | Matt | Cold



tile graphics preview have size 20x120 cm



















tile graphics preview have size 20x120 cm





















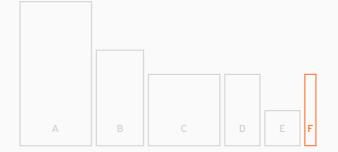














#### Concrete/Wood | Matt | Mix

Available sizes: no. of faces **D** 60 x 120 cm 12

## Fusion Grigio-Natural

## Concrete/Wood | Matt | Mix



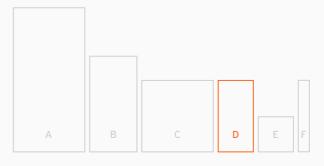
tile graphics preview have size 60x120 cm













tile graphics preview have size 60x120 cm

















## Fusion Nero-Classic

#### Concrete/Wood | Matt | Mix

Available sizes: no. of faces **D** 60 x 120 cm 12

## Fusion Beige-Light

#### Concrete/Wood | Matt | Mix

Available sizes: no. of faces **D** 60 x 120 cm

## Fusion Taupe-Vintage

#### Concrete/Wood | Matt | Mix

Available sizes: no. of faces **D** 60 x 120 cm

## Fusion Brown-Natural

#### Concrete/Wood | Matt | Mix



tile graphics preview have size 60x120 cm





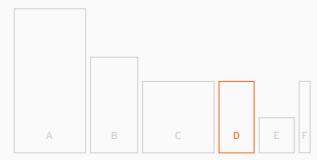














tile graphics preview have size 60x120 cm





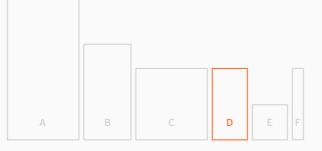














tile graphics preview have size 60x120 cm

















tile graphics preview have size 60x120 cm

















Article: Polished Surfac	es	Color : Cold				
Design	120x240 cm	80x160 cm	120x120 cm	60x120 cm	60x60 cm	20x120 cm
Antigua	F14ANGKOLRO	F86ANGKOLRO	F12ANGKOLRO	F62ANGKOLRO		
Arabescato	F14ARBAOLRO	F86ARBAOLRO	F12ARBAOLRO	F62ARBAOLRO		
Bianco				F62BCNA0LR0		
Black Marquina	F14BLMK0LR0	F86BLMK0LR0	F12BLMK0LR0	F62BLMK0LR0		
Bullberry Grey	F14BLLG0LR0	F86BLLG0LR0	F12BLLG0LR0	F62BLLG0LR0		
Bullberry Nero	F14BLLK0LR0	F86BLLK0LR0	F12BLLK0LR0	F62BLLK0LR0		
Carnico Grey	F14CNIGOLRO	F86CNIGOLRO	F12CNIGOLRO	F62CNIGOLRO		
Carrara	F14CRRAOLRO	F86CRRAOLRO	F12CRRAOLRO	F62CRRAOLRO		
Dolce Vita	F14DLVA1LR0	F86DLVA1LR0	F12DLVA1LR0	F62DLVA1LR0		
Earth Grey Dark				F62ERTG2LR0		
Earth Grey Light				F62ERTG1LR0		
Elegant Gris				F62ELTG0LR0		
Elegant Nero				F62ELNKOLRO		
Golden Portoro				F62GPNK0LR0		
Green Onyx	F14GROE0LR0	F86GROEOLRO	F12GR0E0LR0	F62GROE0LR0		
Grey Venezuela	F14VNZGOLRO	F86VNZG0LR0	F12VNZGOLRO	F62VNZG0LR0		
Grigio Serena	F14GRIGOLRO	F86GRIGOLRO	F12GRIGOLRO	F62GRIGOLRO		
Lilac White	F14LLCA0LR0	F86LLCA0LR0	F12LLCA0LR0	F62LLCA0LR0		
Marble Decor - Cold				F62MRBM2LR1		
Riviera Blue	F14RIVLOLRO	F86RIVLOLRO	F12RIVLOLRO	F62RIVLOLRO		
Sofia Grey	F14SFIG1LR0	F86SFIG1LR0	F12SFIG1LR0	F62SFIG1LR0		
Statuario	F14SISAOLRO	F86SISAOLRO	F12SISAOLRO	F62SISA0LR0		
Tobacco Steel	F14TBCL0LR0	F86TBCL0LR0	F12TBCL0LR0	F62TBCL0LR0		
Valencia Gris	F14VALGOLRO	F86VALGOLRO	F12VALGOLRO	F62VALGOLRO		
Venatino	F14VENAOLRO	F86VENAOLRO	F12VENAOLRO	F62VENAOLRO		

Article : Polished Surfaces		Color : Warm				
Design	120x240 cm	80x160 cm	120x120 cm	60x120 cm	60x60 cm	20x120 cm
Arizona Beige	F14ARNB0LR0	F86ARNBOLRO	F12ARNB0LR0	F62ARNBOLRO		
Atlantica Beige	F14LNTB0LR0	F86LNTB0LR0	F12LNTB0LR0	F62LNTB0LR0		
Atlantica Brown	F14LNTF0LR0	F86LNTF0LR0	F12LNTF0LR0	F62LNTF0LR0		
Beige Royal	F14BROB0LR0	F86BROBOLRO	F12BROBOLRO	F62BROBOLRO		
Botticino	F14BTTB0LR0	F86BTTB0LR0	F12BTTB0LR0	F62BTTB0LR0		
Bulgarian Beige				F62BULB0LR0		
Bulgarian Crema				F62BULB1LR0		
Bullberry Crema	F14BLLB0LR0	F86BLLB0LR0	F12BLLB0LR0	F62BLLB0LR0		
Bullberry Oro	F14BLLF0LR0	F86BLLF0LR0	F12BLLF0LR0	F62BLLF0LR0		
Crema Marfil	F14CMFB0LR0	F86CMFB0LR0	F12CMFB0LR0	F62CMFB0LR0		
Dyna	F14DNAB0LR0	F86DNAB0LR0	F12DNAB0LR0	F62DNAB0LR0		
Earth Beige				F62ERTB0LR0		
Earth Brown				F62ERTF0LR0		
Fiorito Beige				F62FRTB0LR0		
Honey Onyx	F14HNYB0LR0	F86HNYB0LR0	F12HNYB0LR0	F62HNYB0LR0		
Marble Decor - Warm				F62MRBM1LR1		
Regal Beige	F14RGBB0LR0	F86RGBB0LR0	F12RGBB0LR0	F62RGBB0LR0		
Smoky Brown				F62SMNF0LR0		
Tobacco Brown	F14TBCF0LR0	F86TBCF0LR0	F12TBCF0LR0	F62TBCF0LR0		
Tobacco Ivory	F14TBCB0LR0	F86TBCB0LR0	F12TBCB0LR0	F62TBCB0LR0		
Valencia Bronze	F14VALF0LR0	F86VALF0LR0	F12VALF0LR0	F62VALF0LR0		
Valencia Crema	F14VALB0LR0	F86VALB0LR0	F12VALB0LR0	F62VALB0LR0		
Victoria Beige				F62VCIB0LR0		
Victoria Crema				F62VCIB1LR0		

Article: Tech Matt Surfaces		Color: warm/Co	Id			
Design 120x240 c		80x160 cm	120x120 cm	60x120 cm	60x60 cm	20x120 cm
Arabescato	F14ARBA0SR0	F86ARBAOSRO	F12ARBAOSRO	F62ARBA0SR0		
Black Marquina	F14BLMK0SR0	F86BLMK0SR0	F12BLMK0SR0	F62BLMK0SR0		
Botticino	F14BTTB0SR0	F86BTTB0SR0	F12BTTB0SR0	F62BTTB0SR0		
Carrara	F14CRRAOSRO	F86CRRAOSRO	F12CRRAOSRO	F62CRRAOSRO		
Crema Marfil	F14CMFB0SR0	F86CMFB0SR0	F12CMFB0SR0	F62CMFB0SR0		
Grey Venezuela	F14VNZG0SR0	F86VNZG0SR0	F12VNZG0SR0	F62VNZG0SR0		
Lilac White	F14LLCAOSRO	F86LLCA0SR0	F12LLCA0SR0	F62LLCAOSRO		
Regal Beige	F14RGBB0SR0	F86RGBB0SR0	F12RGBB0SR0	F62RGBB0SR0		
Sofia Grey	F14SFIG1SR0	F86SFIG1SR0	F12SFIG1SR0	F62SFIG1SR0		
Statuario	F14SISAOSRO	F86SISAOSRO	F12SISAOSRO	F62SISAOSRO		



Article : Matt Surfaces		Color : Warm/Co	ld			
Design	120x240 cm	80x160 cm	120x120 cm	60x120 cm	60x60 cm	20x120 cm
Cast Concrete Ash			F12CCOA0NR0	F62CCOAONRO	F60CCOAONRO	
Cast Concrete Beige			F12CCOBONRO	F62CCOBONRO	F60CCOBONRO	
Cast Concrete Brown			F12CCOF1NR0	F62CCOF1NR0	F60CC0F1NR0	
Cast Concrete Grigio			F12CCOGONRO	F62CCOGONRO	F60CCOGONRO	
Cast Concrete Nero			F12CCOKONRO	F62CCOKONRO	F60CCOKONRO	
Cast Concrete Taupe			F12CCOFONRO	F62CCOFONRO	F60CCOF0NR0	
Cherry Wood Classic						F22CHWF0NR0
Cherry Wood Light						F22CHWB0NR0
Cherry Wood Natural						F22CHWCONRO
Cherry Wood Vintage						F22CHWG1NR0
Cherry Wood Weathered						F22CHWG2NR0
Fusion Ash-Weathered				F62FSIMONRO		
Fusion Beige-Light				F62FSIB0NR0		
Fusion Brown-Natural				F62FSIF1NR0		
Fusion Grigio-Natural				F62FSIGONRO		
Fusion Nero-Classic				F62FSIKONRO		
Fusion Taupe-Vintage				F62FSIF0NR0		
Limestone Avorio		F86LMEB1NR0		F62LMEB1NR0	F60LMEB1NR0	
Limestone Beige		F86LMEBONRO		F62LMEB0NR0	F60LMEB0NR0	
Limestone Decor Avorio				F62LMEB1NR1		
Limestone Decor Beige				F62LMEB0NR1		
Limestone Decor Grigio Chiaro				F62LMEG0NR1		
Limestone Decor Grigio Scuro				F62LMEG1NR1		
Limestone Decor Nero				F62LMEK0NR1		
Limestone Grigio Chiaro		F86LMEGONRO		F62LMEG0NR0	F60LMEG0NR0	
Limestone Grigio Scuro		F86LMEG1NR0		F62LMEG1NR0	F60LMEG1NR0	
Limestone Nero		F86LMEKONRO		F62LMEKONRO	F60LMEK0NR0	
Prolith Beige		F86PLTB0NR0		F62PLTB0NR0	F60PLVB0NR0	
Prolith Brown		F86PLTF0NR0		F62PLTF0NR0	F60PLVF0NR0	
Prolith Crema		F86PLTB1NR0		F62PLTB1NR0	F60PLVB1NR0	
Prolith Decor Cold				F62PLTM2NR1		
Prolith Decor Warm				F62PLTM1NR1		
Prolith Grigio Chiaro		F86PLTG0NR0		F62PLTG0NR0	F60PLVG0NR0	
Prolith Grigio Scuro		F86PLTG1NR0		F62PLTG1NR0	F60PLVG1NR0	
Prolith Nero		F86PLTKONRO		F62PLTK0NR0	F60PLVK0NR0	

Article : Matt Surfaces		Color : Warm/Colo	1			
Design	120x240 cm	80x160 cm	120x120 cm	60x120 cm	60x60 cm	20x120 cm
Stained Concrete Avorio		F86SCNB1NR0		F62SCNB1NR0	F60SCOB1NR0	
Stained Concrete Beige		F86SCNBONRO		F62SCNBONRO	F60SCOBONRO	
Stained Concrete Bianco		F86SCNG1NR0		F62SCNG1NR0	F60SCOG1NR0	
Stained Concrete Decor Cold				F62SCNM2NR1		
Stained Concrete Decor Warm				F62SCNM1NR1		
Stained Concrete Grigio		F86SCNGONRO		F62SCNGONRO	F60SCOGONRO	
Stained Concrete Nero		F86SCNKONRO		F62SCNKONRO	F60SCOKONRO	
Stained Concrete Taupe		F86SCNF0NR0		F62SCNF0NR0	F60SC0F0NR0	
Urban-wood Classic						F22URWBONRO
Urban-wood Dark						F22URWF1NR0
Urban-wood Light						F22URWB1NR0
Urban-wood Natural						F22URWF0NR0
Urban-wood Parquet Classic				F62URWB0NR0		
Urban-wood Parquet Dark				F62URWF1NR0		
Urban-wood Parquet Light				F62URWB1NR0		
Urban-wood Parquet Natural				F62URWF0NR0		



# Packaging & shipping

## Packaging & delivery

Packaging is a fundamental element of customer service, being aimed at allowing maximum use of space/weight available and to minimize the risk of breakages, even on bumpy roads.

Ispira's packaging standards are based on carefully designed box and pallet packaging for the optimal load of trucks and containers.

That is very important when large tiles format are to be delivered and Ispira Logistics Department has devised a number of packaging system depending on product sizes and means of transport, including Euro-size pallets and metal A-frames.

Though shipping usually takes place under the customer's responsibility, Ispira is fully committed to help clients manage this activity in the best possible way.

Ispira's Customer Service Department works with clients and logistic companies to arrange for shipments and to guarantee that loading and unloading procedures are properly carried out, in particular at destination.





#### Standard size tiles (other sizes)



Standard europallet

## **Domestic Packing Details**

Nominal Size cm	Thickness mm	Pcs. x box	Sq. mtr x box	Sq. Ft x box	Weight x box (kg)
120x240	9	1	2,87	30,89	61
120x120	9	2	2,87	30,89	62
80x160	9	2	2,55	27,45	54
60x120	9	2	1,43	15,39	30
20x120	9	6	1,42	15,28	30
60x60	9	4	1,43	15,39	31

#### Size

Nominal Size cm Size cm 120x240 119,8x239,8 80x160 79,8x159,8 120x120 119,8x119,8 60x120 59,8x119,8 20x120 19,8x119,8 60x60 59,8x59,8		
80x160 79,8x159,8 120x120 119,8x119,8 60x120 59,8x119,8 20x120 19,8x119,8		
120x120 119,8x119,8 60x120 59,8x119,8 20x120 19,8x119,8	120x240	119,8x239,8
60x120 59,8x119,8 20x120 19,8x119,8	80x160	79,8x159,8
20x120 19,8x119,8	120x120	119,8x119,8
20/120 15/0/115/0	60x120	59,8x119,8
60x60 59,8x59,8	20x120	19,8x119,8
	60x60	59,8x59,8

## Export Packing Details - 20 ft. Container

Nominal Size cm	Thickness mm	Pcs. x box	Sq. mtr x box	Weight x box (kg)	Box x pallet	Sq. mtr x pallet	Pallet Weight (kg)	Pallet x Cont.
*120x240	9	1	2,87	61	32	91,94	2042	6
*#120x240	9	1	2,87	61	32	91,94	2042	12
120x120	9	2	2,87	62	24	68,88	1563	13
80x160	9	2	2,55	54	28	71,40	1582	17
60x120	9	2	1,43	30	32	45,82	1003	26
20x120	9	6	1,42	30	33	46,93	1013	26
60x60	9	4	1,43	31	34	48,69	1077	26

<sup>\*</sup> refers to A Frames, # refers to 40 ft. Container

Tiles are packaged in a random manner and company cannot guarantee the type of faces inside each package.

## I S P I R A

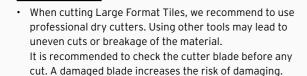
## Installation guidelines

#### 1. Handling



- To prevent breakage, we recommended to keep all Large Format Tiles in their original packaging during handling.
- Tiles measuring 60x120 cm or less can be handled by hand.
- To handle Large Format Tiles, we recommend to use lifting tools with a sufficient load capacity.
- The use of forklift is recommended; however, it has to be equipped with following fork details:
  - minimum length of 1.2 m if the crates are handled resting on the long side
  - minimum length of 2.1 m if the crates are handled resting on the short side
- It is recommended that you handle the A Frame individually.

## 2. Cutting



#### 3. Background



- Prepare a screed with a perfectly flat, dry, compact, dustfree surface, with no cracks or other visible damage.
   The ideal height difference should be no more than 3 mm, measured using a 2 m spirit level
- In case of slightly cracked or non-solid screed, it is recommended to use as crack preventing mat between substrate & slab. Screed should have suitable hardness and mechanical resistance to stresses due to the final uses. It should be prepared using perimeter bands & all structural expansion joints as necessary.
   Moisture of the screed must be ≤ 4%.
- It should be according to BS 8204-1-2003 or DIN 18560 standards.

## 4. Laying with adhesives



- We recommend laying with this technique, which should be carried out by suitably qualified workers with appropriate equipment.
- While choosing the adhesive, we recommend you to bear in mind the following: type of Large Format Tiles (group to which they belong and size), type of surface to be tiled and intended use of room.
- It is recommended to have dry laying before final laying.
   Direction of tiles can be checked through punches (on the back of tiles).
- Adhesive should be applied on the floor as well as on backside of tiles with 3-4 mm thickness.
- To make corrections, we recommend you to check the material before the adhesive dries
- Adhesive will vary depend on the surface so follow manufacturer recommendation. Cementitious Adhesive (C2 Category - C2TES1) is recommended.
- Apply the adhesive onto the back of the slab with a 3mm trowel and should be well distributed on corners & edges.
- It must be spread over in one direction only. Ideally it should be spread towards shortest direction of the tile.
- Spread the adhesive for one tile (pc) onto the floor substrate using a 15mm U-notch or a 10mm V-notch trowel and following the same direction as previously applied to the back of the slab. Adhesive should have 100% contact with tiles/substrate to avoid hollow sounding.
- It is recommended to start from the centre of the slabs and then move towards the edges.
- Tap the slab with a rubber mallet for a complete fixing ensuring the air is expelled.
- · It is recommended to handle slabs with appropriate equipment.

#### 5. Joints



- Deciding where to position the joints is also a part of the work which should be entrusted to qualified workers.
- · The joints must be positioned:
  - on structural connections (structural joints)
  - between the wall and the floor (perimeter joints)

- between one tile and another (laying joints or gaps)
- between tiles and other materials (e.g. pairings between ceramic, linoleum, or wood).
- A 2 mm joint spacer is suggested for all sizes.
- For Large Format Tiles, a 2 mm joint is strongly recommended, as well as proper positioning of spacers on floor sides.
- With help of 2 mm spacer & thanks to a 0.8 caliber (meaning that a 120x240 cm minimal size actually measures 119.8x239.8 cm), different sized tiles can be used within a single floor pattern, while still achieving perfect laying.

## 6. Use of tile leveling system during the installation



- For optimum surface performances, it is strongly recommended to use a tile leveling system.
- This solution also acts as a spacer for joints, thus contributing to make the installation more accurate.

## 7. Grouting



- We recommend you to use grout with the same color as the product.
- We recommend you to wait for the adhesive to dry completely before grouting the joints.
- We also advise you to ensure there is no adhesive or dust in the joints.
- Apply the grout using rubber trowel.
- Both cement & epoxy grout can be used. It is not recommended to use grouting with colored pigments in contrast with color of tiles.
- We recommend you to grout no more than 4-5 square metres of tiling at a time. This applies in particular when laying textured, non-slip and polished tiles.
- You are advised to remove all excess grout from the tile surface while the grout is still wet, working in diagonal movements. This applies in particular to tiles laid in outdoor areas.
- Use a damp sponge and perfectly clean water to thoroughly clean the entire tiled surface and the joints.
- We then recommend that you dry the surface with a damp cloth.
- Considering how quickly epoxy grouts set, if these are used, we recommend you to clean the excess grout off immediately with a sponge and plenty of water.
- On the day after grouting, you should give the laid tiles a second cleaning with alkaline detergents.

#### 8. Cleaning after laying



 Thorough initial cleaning is essential to ensure the tiles a long-lasting appearance over time.

- It should not be carried out until at least 4 to 5 days after laying and grouting but no later than 10 days afterwards.
- For washing, we advise you to use an acid-based product, diluted according to the instructions provided by the manufacturer. However, we advise against the use of products containing hydrofluoric acid or derivatives thereof.
- It is a good idea to use a piece of unlaid tile, or a hidden part of the laid tiles, to check the resistance of the ceramic surface to the acid. This applies in particular when laying honed or polished tiles.
- When you start washing, it is worthwhile soaking the tiled surface first of all, focusing in particular on the joints. The acid solution must be left to work for no more than two minutes and must never be left to dry.
- To remove the acid solution, one of the following methods should be used: single-brush machine equipped with a non-abrasive disc, a wet vacuum, or washing by hand.
   After removing the solution, we recommend you rinse the tiled surface thoroughly.
- In the event that machines are used, we suggest that you finish off the job by hand in the harder to reach spots, such as the corners of the walls.

## 9. Ordinary cleaning and care of surfaces



- For ordinary cleaning, simply wash with warm water and cloths and/or soft sponges. If necessary, neutral detergents can also be used. If you have non-neutral detergents, remember to test their effects on a piece of an unlaid tile or on a hidden part of the tiled surface.
- Abrasive cleaners should not be used on glossy and/or
  polished tiles; this kind of detergent can be used on tiles
  with matt surfaces though; In the event, you should still
  test the effects on a piece of an unlaid tile or on a hidden
  part of the tiled surface.
- We also advise against the use of soaps, waxes, or rinse aids.
- To remove traces of grease or oil on the surfaces, we suggest you use detergents with organic or alkaline solvents (pH> 9), rinsing properly at the end.
- In large areas, appropriate industrial washer-dryers can be used, taking care to finish off drying by hand where necessary.
- Abrasive tools (such as metal pads or rigid brushes) should not be used on tiled surfaces.
- After Installation of the floor, it should be properly covered with suitable material in order to prevent tiles from damage or scratches because of on-site processing. It is also important not to drag heavy objects across the surface to avoid scratches.

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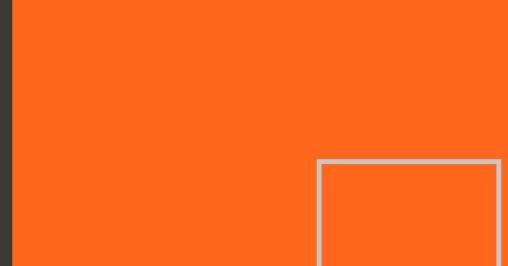


## ISPIRA Quality Standards

| Porcelain stoneware (International standard) | Vitrified stoneware (Indian standard) | 9 mm thickness | Rectified

Standards according to ISO 13006: Annex G - EN 14411: Annex G. Dry - Pressed Ceramic Tiles.

	TEST PROPERTIES	TEST METHOD	UNIT	ISO 13006:2018(E) E <sub>v</sub> ≤0.5% GROUP Bla		ISPIRA VALUES	S (GVT / PGVT)	
					SIZE < 12	200 mm	SIZE > 1200	mm (SLABS)
					%	mm	%	mm
	Width	ISO 10545 - 2	mm	± 0.3%	± 0.1%	± 0.8 mm	± 0.1%	± 1 mm
	Length	ISO 10545 - 2	mm	± 0.3%	± 0.1%	± 0.8 mm	± 0.1%	± 1.2 mm
	Thickness	ISO 10545 - 2	mm	± 5.0%	± 4%	± 0.5 mm	± 4%	± 0.5 mm
Dimension & Surface Quality	Straightness of Side	ISO 10545 - 2	mm	± 0.3%	± 0.1%	± 0.8 mm	± 0.1%	±1mm
	Rectangularity	ISO 10545 - 2	mm	± 0.3%	± 0.1%	± 1.3 mm	± 0.1%	± 1.5 mm
	Surface Flatness	ISO 10545 - 2	mm	± 0.4%	± 0.1%	± 1.8 mm	± 0.2%	±3 mm
	Surface Quality	ISO 10545 - 2		A minimum of 95% of the tiles are to be free from visible defects which can impair the appearance of a major area of tiles	95%		95	5%
	Water Absorption	ISO 10545 - 3	%	≤ 0.5%, Individual 0.6%		0.08%, ıal 0.2%		0.08%, al 0.2%
	Modulus of Rupture	ISO 10545 - 4	N/mm²	Min. 35, Individual Min. 32	Min. 42		2 Min. 42	
	Breaking Strength	ISO 10545 - 4	N	Not less than 1300	Min.	1800	Min.	1800
	Moisture Expansion	ISO 10545 - 10	mm/m		0,	02	0,	02
					GVT / TECH MATT	PGVT	GVT / TECH MATT	PGVT
	Mohs Hardness of surface	NA			7	4	7	4
Physical Properties	Coefficient of linear thermal expansion from ambient temperature to 100 °C	ISO 10545 - 8	K¹	As declared by the Manufacturer	6x10⁻ <sup>6</sup>	6x10 <sup>-6</sup> K <sup>-1</sup> max		K¹ max
	Thermal Shock Resistance	ISO 10545 - 9		As declared by the Manufacturer	No da	amage	No da	mage
	Crazing Resistance: glazed tiles	ISO 10545 - 11		Required		nage for Cycles		nage for Cycles
	Bulk Density	ISO 10545 - 3	g/cc	2,2	2	,2	2	,2
	Impact Resistance	ISO 10545 - 5		As declared by the Manufacturer	0,	55	0,	55
	Frost Resistance	ISO 10545 - 12		As declared by the Manufacturer	No ch	nange	No ch	nange
	Small color differences	ISO 10545 - 16		Plain colored tiles only where required GL: ΔE < 0.75 UGL: ΔE < 1.0	No ch	nange	No ch	nange
	Resistance to staining	ISO 10545 - 14	Class	Minimum Class 3	Cla	ss 4	Cla	ss 4
	Resistance to household chemicals and swimming pool salts	ISO 10545 - 13	Class	Minimum B	Com	pliant	Com	oliant
	Resistance to acids & alkalis	ISO 10545 - 13	Class	As declared by the Manufacturer	Com	pliant	Comp	oliant



- N F

T E C H N I C A L



20 mm Catalogue also available

December 2

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