



STEP INTO STYLE





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Technical info

# our brand

Ispira is a brand of Nexion Surfaces, a multinational ceramic company that is the result of a partnership between two large family groups that have always been leaders in their reference markets: Ceramiche Speranza, the best in its class Italian firm founded in 1961, that has setup the state of the art manufacturing facilities in India together with the Aghara family, one of the leading players in ceramics and sanitary ware in India since 1977.

Ispira was born to propose an innovative and original synthesis between aesthetic sensibility and technical functionality of ceramic surfaces, bringing its customers closer to a new idea of style that enhances the ambitions of their projects.

#### New 'Soft Matt Surface':

Discover Ispira's Soft Matt surface, crafted for architectural solutions, offering elegant looks, and blending durability with high performance. With better abrasion resistance and slip resistance properties, it outperforms polished surfaces, making it ideal for mid-traffic areas. Its soft texture and exceptional design transparency elevate the visual appeal, setting it apart from other matt surfaces.

Reflect your lifestyle with thirteen innovative proposals of marble designs, introduced in Polished and Soft Matt Surfaces.



# Cold polished surfaces

Wall: Antalya Gris Polished 120X240 cm  
Floor: Antalya Gris Soft Matt 120X240 cm

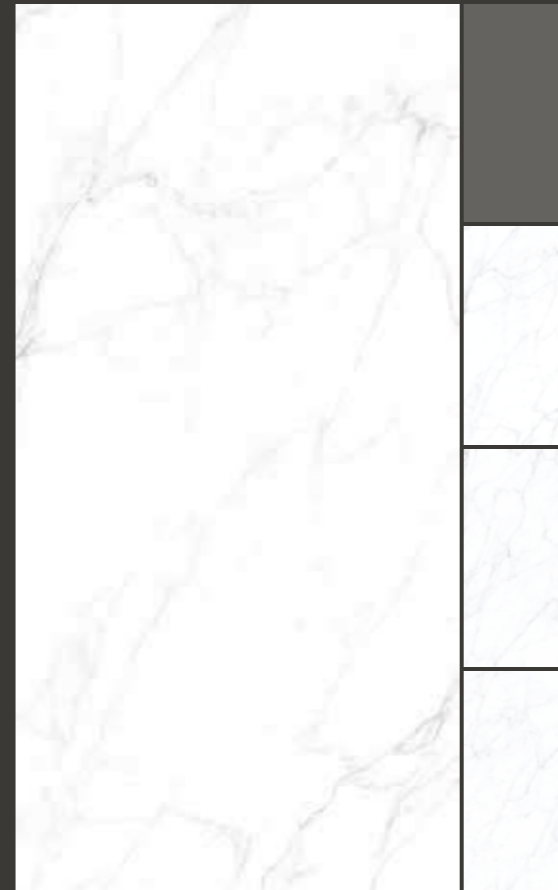
## Himalaya White

**Marble | Polished | Cold**

Available sizes: no. of faces

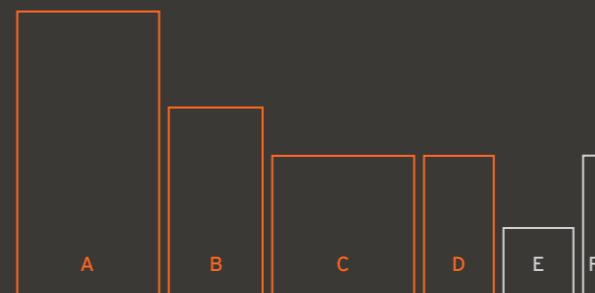
A	120 x 240 cm	3
B	80 x 160 cm	4
C	120 x 120 cm	6
D	60 x 120 cm	12

ALSO AVAILABLE IN SOFT MATT SURFACE



GRAPHICS-MIX

tile graphics preview have size 120 x 240 cm



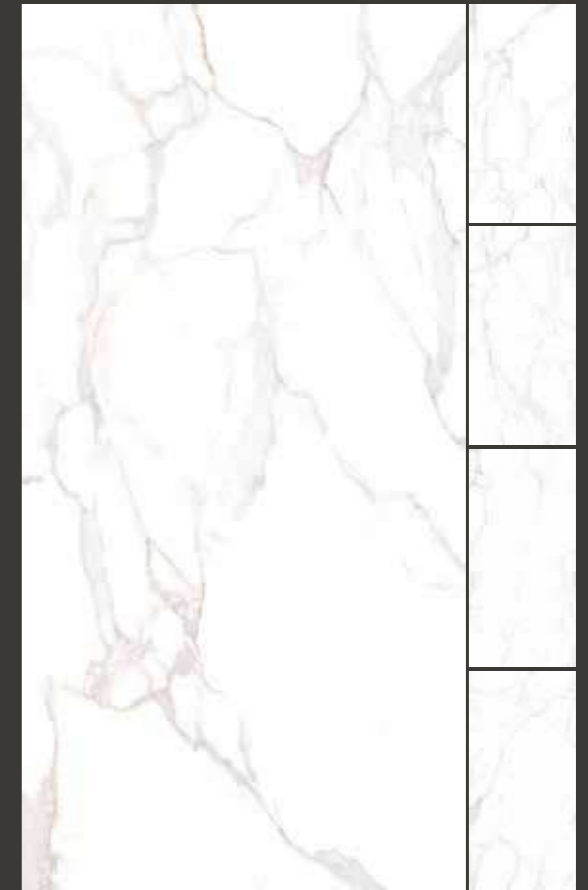
## Calacatta

**Marble | Polished | Cold**

Available sizes: no. of faces

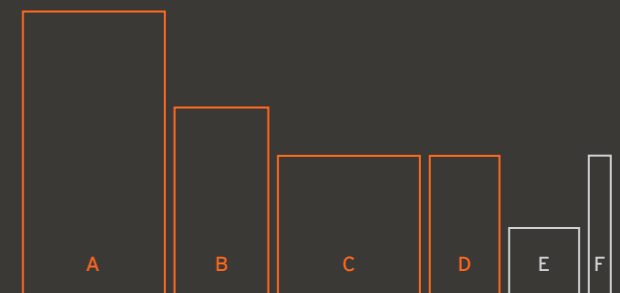
A	120 x 240 cm	4
B	80 x 160 cm	4
C	120 x 120 cm	8
D	60 x 120 cm	15

ALSO AVAILABLE IN SOFT MATT SURFACE



GRAPHICS-MIX

tile graphics preview have size 120 x 240 cm





## Crackle Onyx

**Marble | Polished | Cold**

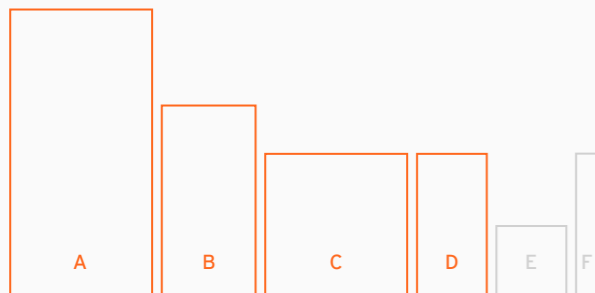
Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



GRAPHICS-MIX

tile graphics preview have size 120 x 240 cm



## Antalya Gris

**Marble | Polished | Cold**

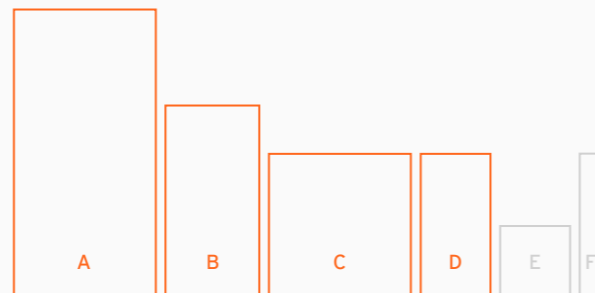
Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



GRAPHICS-MIX

tile graphics preview have size 120 x 240 cm



## Samoa Grey

**Marble | Polished | Cold**

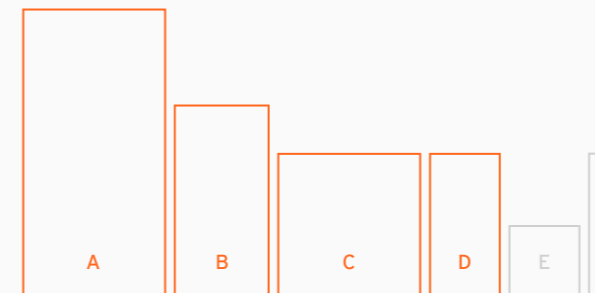
Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



GRAPHICS-MIX

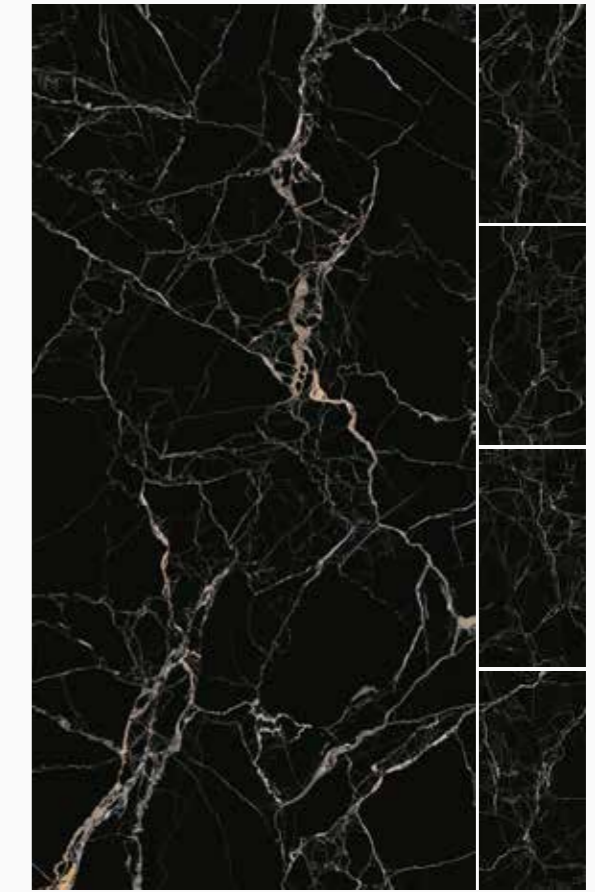
tile graphics preview have size 120 x 240 cm



## Saint Laurent

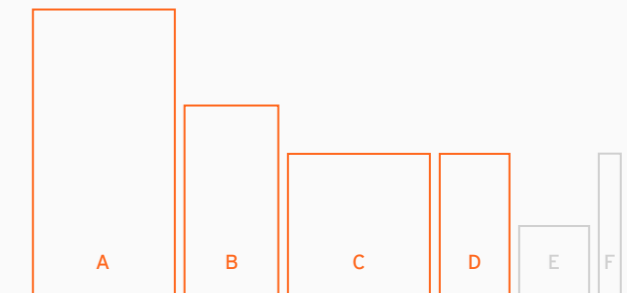
**Marble | Polished | Cold**

Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16



GRAPHICS-MIX

tile graphics preview have size 120 x 240 cm





# Warm polished surfaces

Wall: Calacatta Soft Matt 120X240 cm  
 Floor: Celestile Soft Matt 120X240 cm

## Burdur Peach

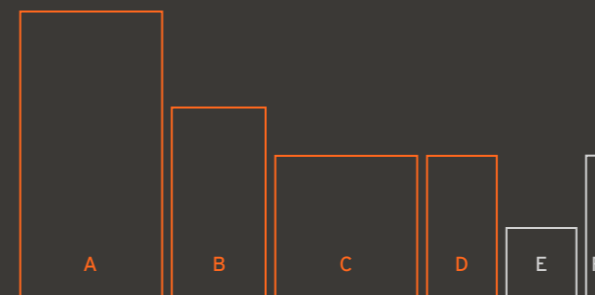
**Marble | Polished | Warm**

Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



tile graphics preview have size 120 x 240 cm



## Celestile

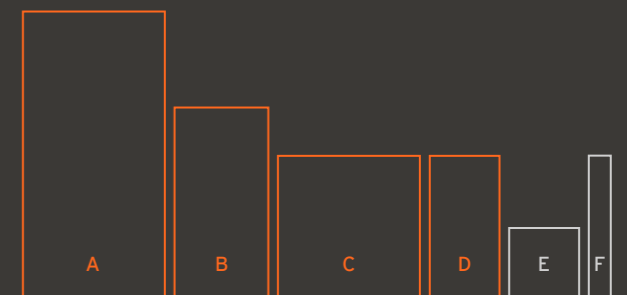
**Marble | Polished | Warm**

Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	3
<b>B</b> 80 x 160 cm	3
<b>C</b> 120 x 120 cm	6
<b>D</b> 60 x 120 cm	12

ALSO AVAILABLE IN SOFT MATT SURFACE



tile graphics preview have size 120 x 240 cm



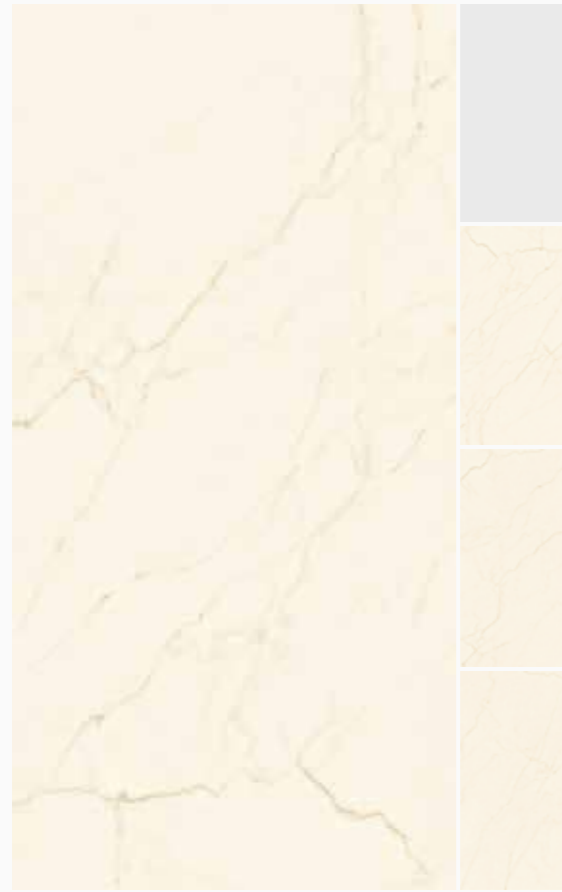


## Acro Iris

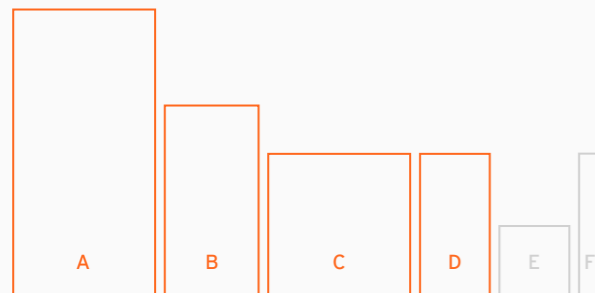
**Marble | Polished | Warm**

Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	3
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	6
<b>D</b> 60 x 120 cm	12

ALSO AVAILABLE IN SOFT MATT SURFACE



tile graphics preview have size 120 x 240 cm



## Antalya Beige

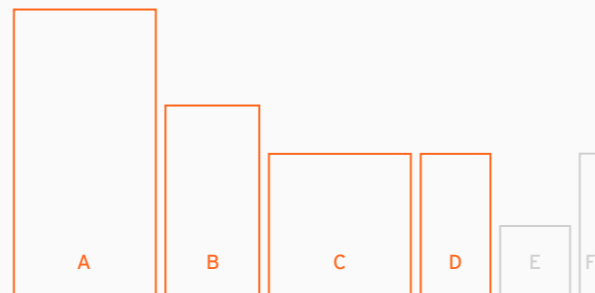
**Marble | Polished | Warm**

Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



tile graphics preview have size 120 x 240 cm



## Afyon Crema

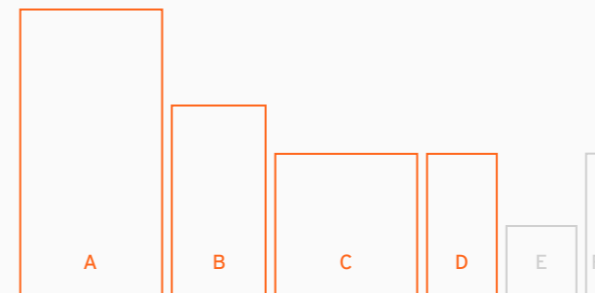
**Marble | Polished | Warm**

Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



tile graphics preview have size 120 x 240 cm



## Afyon UMBER

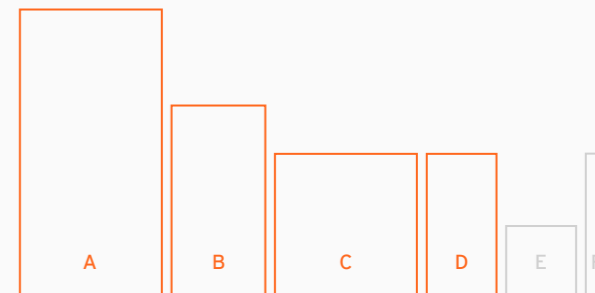
**Marble | Polished | Warm**

Available sizes:	no. of faces
<b>A</b> 120 x 240 cm	4
<b>B</b> 80 x 160 cm	4
<b>C</b> 120 x 120 cm	8
<b>D</b> 60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



tile graphics preview have size 120 x 240 cm





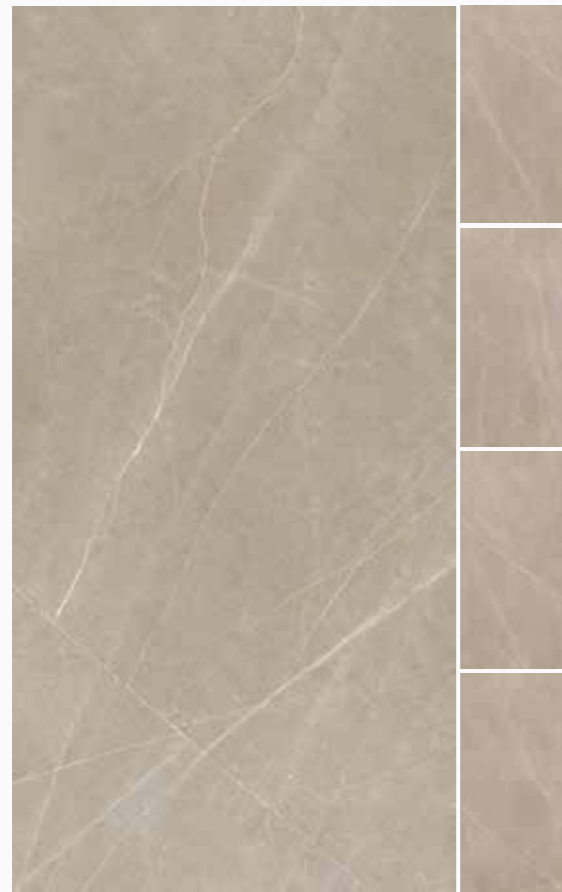
# Samoa Beige

**Marble | Polished | Warm**

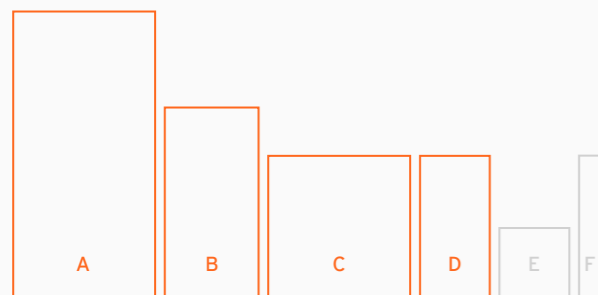
Available sizes: no. of faces

<b>A</b>	120 x 240 cm	4
<b>B</b>	80 x 160 cm	4
<b>C</b>	120 x 120 cm	8
<b>D</b>	60 x 120 cm	16

ALSO AVAILABLE IN SOFT MATT SURFACE



tile graphics preview have size 120 x 240 cm



Wall: Samoa Beige Polished 120X240 cm  
Floor: Samoa Beige Soft Matt 120X240 cm

Article : Polished Surfaces		Color : Warm/Cold		
Design Name	120x240 cm	80x160 cm	120x120 cm	60x120 cm
Acro Iris	F14ACRB0LRO	F86ACRB0LRO	F12ACRB0LRO	F62ACRB0LRO
Afyon Crema	F14AFYB0LRO	F86AFYB0LRO	F12AFYB0LRO	F62AFYB0LRO
Afyon Umber	F14AFYB1LRO	F86AFYB1LRO	F12AFYB1LRO	F62AFYB1LRO
Antalya Beige	F14ATAB0LRO	F86ATAB0LRO	F12ATAB0LRO	F62ATAB0LRO
Antalya Gris	F14ATAG0LRO	F86ATAG0LRO	F12ATAG0LRO	F62ATAG0LRO
Burdur Peach	F14BRDB0LRO	F86BRDB0LRO	F12BRDB0LRO	F62BRDB0LRO
Calacatta	F14CLTA0LRO	F86CLTA0LRO	F12CLTA0LRO	F62CLTA0LRO
Celestite	F14CELB0LRO	F86CELB0LRO	F12CELB0LRO	F62CELB0LRO
Crackle Onyx	F14CRLA0LRO	F86CRLA0LRO	F12CRLA0LRO	F62CRLA0LRO
Himalaya White	F14HMLA0LRO	F86HMLA0LRO	F12HMLA0LRO	F62HMLA0LRO
Saint Laurent	F14SNTK0LRO	F86SNTK0LRO	F12SNTK0LRO	F62SNTK0LRO
Samoa Beige	F14SMOB0LRO	F86SMOB0LRO	F12SMOB0LRO	F62SMOB0LRO
Samoa Grey	F14SMOG0LRO	F86SMOG0LRO	F12SMOG0LRO	F62SMOG0LRO

Article : Soft Matt Surfaces		Color : Warm/Cold		
Design	120x240 cm	80x160 cm	120x120 cm	60x120 cm
Acro Iris	F14ACRB0CRO	F86ACRB0CRO	F12ACRB0CRO	F62ACRB0CRO
Afyon Crema	F14AFYB0CRO	F86AFYB0CRO	F12AFYB0CRO	F62AFYB0CRO
Afyon Umber	F14AFYB1CRO	F86AFYB1CRO	F12AFYB1CRO	F62AFYB1CRO
Antalya Beige	F14ATAB0CRO	F86ATAB0CRO	F12ATAB0CRO	F62ATAB0CRO
Antalya Gris	F14ATAG0CRO	F86ATAG0CRO	F12ATAG0CRO	F62ATAG0CRO
Burdur Peach	F14BRDB0CRO	F86BRDB0CRO	F12BRDB0CRO	F62BRDB0CRO
Calacatta	F14CLTA0CRO	F86CLTA0CRO	F12CLTA0CRO	F62CLTA0CRO
Celestite	F14CELB0CRO	F86CELB0CRO	F12CELB0CRO	F62CELB0CRO
Crackle Onyx	F14CRLA0CRO	F86CRLA0CRO	F12CRLA0CRO	F62CRLA0CRO
Himalaya White	F14HMLA0CRO	F86HMLA0CRO	F12HMLA0CRO	F62HMLA0CRO
Saint Laurent	F14SNTK0CRO	F86SNTK0CRO	F12SNTK0CRO	F62SNTK0CRO
Samoa Beige	F14SMOB0CRO	F86SMOB0CRO	F12SMOB0CRO	F62SMOB0CRO
Samoa Grey	F14SMOG0CRO	F86SMOG0CRO	F12SMOG0CRO	F62SMOG0CRO

## Packaging & shipping

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.

A-Frame for Slabs (120 X240 cm)



Europallet for Standard Size Tiles (Other Sizes)



### Domestic Packing Details

Nominal Size cm	Thickness mm	Pcs. x box	Sq. mt x box	Sq. ft x box	Weight x box (kg)
120X240	9	1	2,87	30,89	61
80X160	9	2	2,55	27,45	54
120X120	9	2	2,87	30,89	60
60X120	9	2	1,43	15,39	30

### Size

Nominal Size cm	Actual Size cm
120x240	119,8x239,8
80x160	79,8x159,8
120x120	119,8x119,8
60x120	59,8x119,8

### Export Packing Details - 20 ft. Container

Nominal Size cm	Thickness mm	Pcs. x box	Sq. mt x box	Weight x box (kg)	Box x pallet	Sq. mt x pallet	Pallet Weight (kg)	Pallet x Cont.
* 120x240	9	1	2,87	61	37	106,30	2347	6
* # 120x240	9	1	2,87	61	37	106,30	2347	12
80x160	9	2	2,55	54	28	71,40	1582	17
120x120	9	2	2,87	60	24	68,88	1510	13
60x120	9	2	1,43	30	32	45,82	1003	26

\* refers to A Frames, # refers to 40 ft. Container

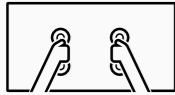
Tiles are packaged in a random manner and company cannot guarantee the type of faces inside each package.





# Installation guidelines

## 1. Handling



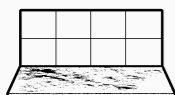
- To prevent breakage, we recommend to keep all Large Format Tiles in their original packaging during handling.
- Tiles measuring 60x120 cm or less can be handled by hand.
- To handle Large Format Tiles, we recommend to use lifting tools with a sufficient load capacity.
- The use of forklift is recommended; however, it has to be equipped with following forklift 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



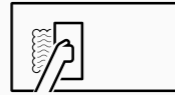
- When cutting Large Format Tiles, we recommend to use professional dry cutters. Using other tools may lead to uneven cuts or breakage of the material. It is recommended to check the cutter blade before any cut. A damaged blade increases the risk of damaging.

## 3. Background



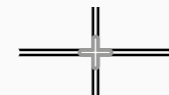
- Prepare a screed with a perfectly flat, dry, compact, dust-free surface, with no cracks or other visible damage. The ideal height difference should be no more than 3 mm, measured using a 2 m spirit level
- In case of slightly cracked or non-solid screed, it is recommended to use as crack preventing 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  $\leq 4\%$ .
- 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.

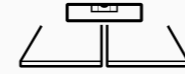
## 5. Joints



- 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



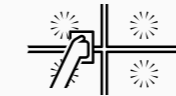
- For optimum surface performances, it is strongly recommended to use a tile leveling system.
- This solution also acts as a spacer for joints, thus contributing to make the installation more accurate.

## 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.



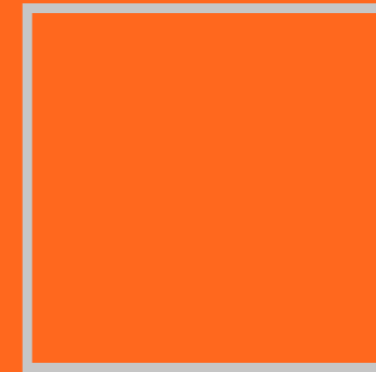
## ISPIRA Quality Standards

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) Ev ≤0,5% GROUP Bla	ISPIRA VALUES (Polished/Soft Matt)			
					SIZE < 1200 mm		SIZE ≥ 1200 mm (SLABS)	
					%	mm	%	mm
Dimension & Surface Quality	Width	ISO 10545 - 2	mm	± 0,3%	± 0,1%	± 0,8 mm	± 0,1%	± 1,0 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
	Straightness of Side	ISO 10545 - 2	mm	± 0,3%	± 0,1%	± 0,8 mm	± 0,1%	± 1,0 mm
	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%	± 3,0 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%			
Physical Properties	Water Absorption	ISO 10545 - 3	%	≤ 0,5%, Individual 0,6%	Avg. ≤ 0,08%, Individual 0,2%			
	Modulus of Rupture	ISO 10545 - 4	N/mm <sup>2</sup>	Min. 35, Individual Min. 32	Min. 42			
	Breaking Strength	ISO 10545 - 4	N	Not less than 1300	Min. 1800			
	Moisture Expansion	ISO 10545 - 10	mm/m	-	0,02			
	Surface abrasion	ISO 10545-7	Class	Minimum Class -II Report abrasion class and cycles passed	Polished	Soft Matt		
	Resistance to surface abrasion of glazed tiles intended for use on floors				CLASS II (650 Cycles)	CLASS III (> 750 Cycles)		
	Mohs Hardness of surface	NA	-	-	4			
	Coefficient of linear thermal expansion from ambient temperature to 100 °C	ISO 10545 - 8	K <sup>1</sup>	As declared by the Manufacturer	6x10 <sup>-6</sup> K <sup>1</sup> max			
	Thermal Shock Resistance	ISO 10545 - 9	-	As declared by the Manufacturer	No damage			
	Crazing Resistance: glazed tiles	ISO 10545 - 11	-	Required	No damage for Min. 10 Cycles			
	Bulk Density	ISO 10545 - 3	g/cc	2,2	2,2			
	Impact Resistance	ISO 10545 - 5	-	As declared by the Manufacturer	0,55			
	Frost Resistance	ISO 10545 - 12	-	As declared by the Manufacturer	No change			
	Slip Resistance	ANSI A137,1	-	As declared by the Manufacturer	Polished	Soft Matt		
DIN 51130		-	-		DCOF > 0,40 , R-9			
Small color differences	ISO 10545 - 16	-	Plain colored tiles only where required GL: ΔE < 0,75 UGL: ΔE < 1,0	No change				
Chemical properties	Resistance to staining	ISO 10545 - 14	Class	Minimum Class 3	Class 4			
	Resistance to household chemicals and swimming pool salts	ISO 10545 - 13	Class	Minimum B	Minimum A			
	Resistance to acids & alkalis	ISO 10545 - 13	Class	As declared by the Manufacturer	Minimum B			

TECHNICAL INFO



20 mm Catalogue also available

