

thinbig®

A NEW
DIMENSION
IN THE
WORLD
OF TILES

Roca



thinbig®

A NEW
DIMENSION
IN THE WORLD
OF TILES



thinbig[®]

large scale

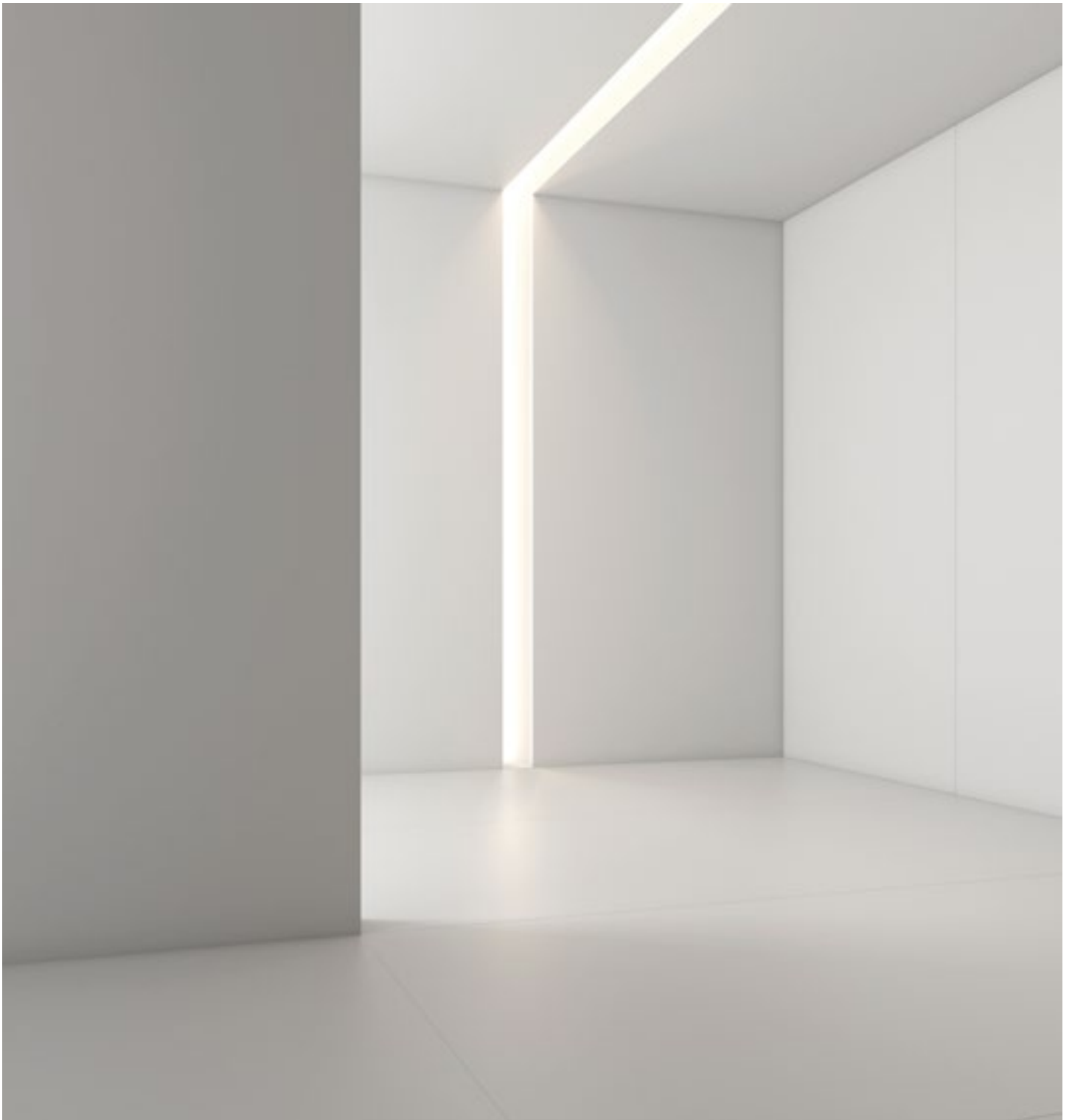
ceramic

lightness

Large format tiles for demanding projects

A new ceramic product developed by Roca. A high range porcelain tile, with a large format and the maximum lightness and endurance. It comes to life with the clear intention of being the perfect ally for professionals in the architecture and interior design fields. It adapts to all kinds of surfaces: floors, walls, furniture, etc. The result achieves a uniform aesthetic ensemble that conveys personality to projects.

Architecture is the art of balance and formats need to respond to any use. The technical and aesthetic features of thinbig® respect and fulfil this objective. thinbig® keeps its subtle nature in large format pieces. Its delicateness is always present despite working with large-sized pieces. Being able to play with details is always a luxury. The durability of materials is essential in urban projects and large scale projects. thinbig® has been created to maximise its use without diminishing its look with the passage of time.



**thinbig® is a material
that is easy to handle
and transport, ideal for
all kinds of projects**

Interiors

With thinbig® the external covering of any surface is possible regardless of its size thanks to its dimensions and versatility. For those projects that involve the design of furniture, its endurance and adaptable cutting are foolproof and perform better than any other materials used until now.

Doors

thinbig® allows the covering of doors due to its lightness. Such a versatile material enables the customisation of any finish in great detail.

Tabletop

Allows the creation of custom-made tabletops.

Stoves

The heat resistance of thinbig®, allows its use as a countertop, placing the stove just onto it. Also due to its easy cleaning and scratch-resistance , it's an optimal solution.

Hotels

A hotel project involves the search of exceptional materials such as thinbig®. The maximum resistance, required for its continued use, needs to be combined with an extraordinary look that conveys exclusivity.

Renovations without rubble

Its 6 mm thickness facilitates the installation of the plates on the existing surface, avoiding any rubble.

Nautical interiors

The corrosion of the coverings in the nautical world is a challenge to be faced. The continuous exposure to sunlight and to saltpetre sets a high standard that very few materials can meet. thinbig® is one of the few that does it.

Outdoors

thinbig® is the ideal material for urban planning projects due to its good performance in the covering of floors and facades. The endurance of thinbig® is higher than that of other materials.



Buildings

The minimum thickness of the plates enables the covering of entire building facades, including garage doors or technical services entrances. In this way global aesthetics of the building is unified, obtaining more coherent results than when working with different materials. The versatility of thinbig® provides a striking result.

Floor tiles

The floor is the element that adds refinement to any space. The thinbig® finishes, in accordance with modern aesthetic trends, recall the concept of "couture" floor tiles due to their sophistication. The minimum thickness of the plates and the large format make laying easier. The high quality of the porcelain guarantees its durability and its resistance to intensive use.

Wellness

The design of wellness features has an added difficulty: the durability of surfaces. These need to be ultra resistant to moisture, for ensuring the non-proliferation of bacteria. For this reason thinbig® ceramic nature can be fully trusted.

Urban environment

The result of thinbig® in open spaces is stunning. Just being able to use the same material in the street furniture provides a feeling of aesthetic continuation and coherence.



Construction

The working teams welcome the use of thinbig® in all coverings. Laying, handling and assembling are much easier with this material, mostly due to its lightness. Moreover, as joints between pieces are minimized, installation becomes easier, resulting in more beautiful spaces, full of character.

thinbig®

a partner for

architects and

interior designers

Renovations without rubble

Due to the minimum thickness of the ceramic plates, it is also possible to lay them on the existing floor and wall tiles. Rubble is therefore avoided during the works and time and money are saved.

Integration into furniture

Due to the scale of the pieces it is possible to create spaces with a “total look” effect, including the furniture finishes. The minimum thickness of the plates facilitates the covering of countertops, drawers and cabinets.



Facades

Both large architectural projects and residential interventions pursue a distinction through the ventilated or cladded facade. The use of thinbig® ceramic plates is recommended for facade cladding due to their size, thickness, ductility and due to the uniform aesthetic effect they provide to the overall finish.



Outdoors

Outdoors is a comfort zone for a material like thinbig®. An environment where to test the high resistance of these tiles to the intensive exposure to adverse climatic conditions. Sun radiation, rain, frost and extreme temperatures do not affect its look.



Bathrooms

The launching of a new Roca product implies its integration in the bathroom sphere. thinbig® is the solution to the covering of surfaces with the advantage of reducing joints to the minimum, avoiding leaks and dampness. Moreover, its ceramic nature guarantees the best hygienic conditions.



Kitchens

It may be applied on all surfaces, including the countertop, due to its heat resistance. thinbig® may be used on walls, floors, countertops, sinks, drawer fronts, cabinets, furniture... Moreover, thanks to the properties of the material (high resistance, easy cleaning, non-corrosive) and to the easy cutting, the thinbig® ceramic plates are the ideal solution as a tabletop.



thinbig[®]
covers surfaces
avoiding
rubble





thinbig[®]
optimizes
the
cladding
of facades





Resistant recovering tiles

Resistant to frost and low temperatures

Its resistance turns it into the ideal product for outdoors as temperature changes do not affect its structure.

Heat-resistant

It does not burn nor does it emit toxic substances when subject to high temperatures. Ideal as the base of all kinds of kitchens.

Shock-resistant

It is highly resistant to impacts of everyday objects and tools.

Resistance to bending

It withstands considerable loads without showing signs of breaking.

UV resistant

The colour of the surface remains unchanged throughout time, even in outdoor areas exposed to sunlight.

Easy cleaning and maintenance

It does not require specific care for its maintenance. Stains are removed with water or with regular cleaning products.

Scratch resistant

Its surface allows the use of sharp objects without damaging the product aesthetics.

Stain resistant

Maximum resistance to chemical products.

Hygienic

Its non-porous surface avoids the growth of bacteria, allowing the direct contact with food.



thinbig®
is a wear resistant ceramic
material, with aesthetic
qualities that remain unaltered
over time



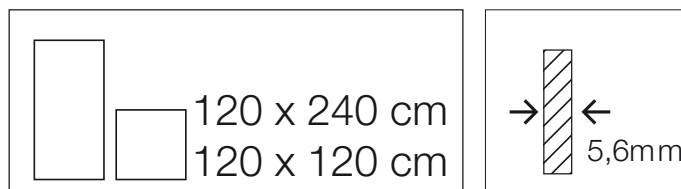
thinbig®

**Cement, stone, marble, colour
and textile finishes.**

DOWNTOWN

Large format plates

thickness



Blanco

C1/R9

FJTT6HM011 120 x 240 P6750

FJTT6HK011 120 x 120 P5260

Gris

C1/R9

FJTT6HM021 120 x 240 P6750

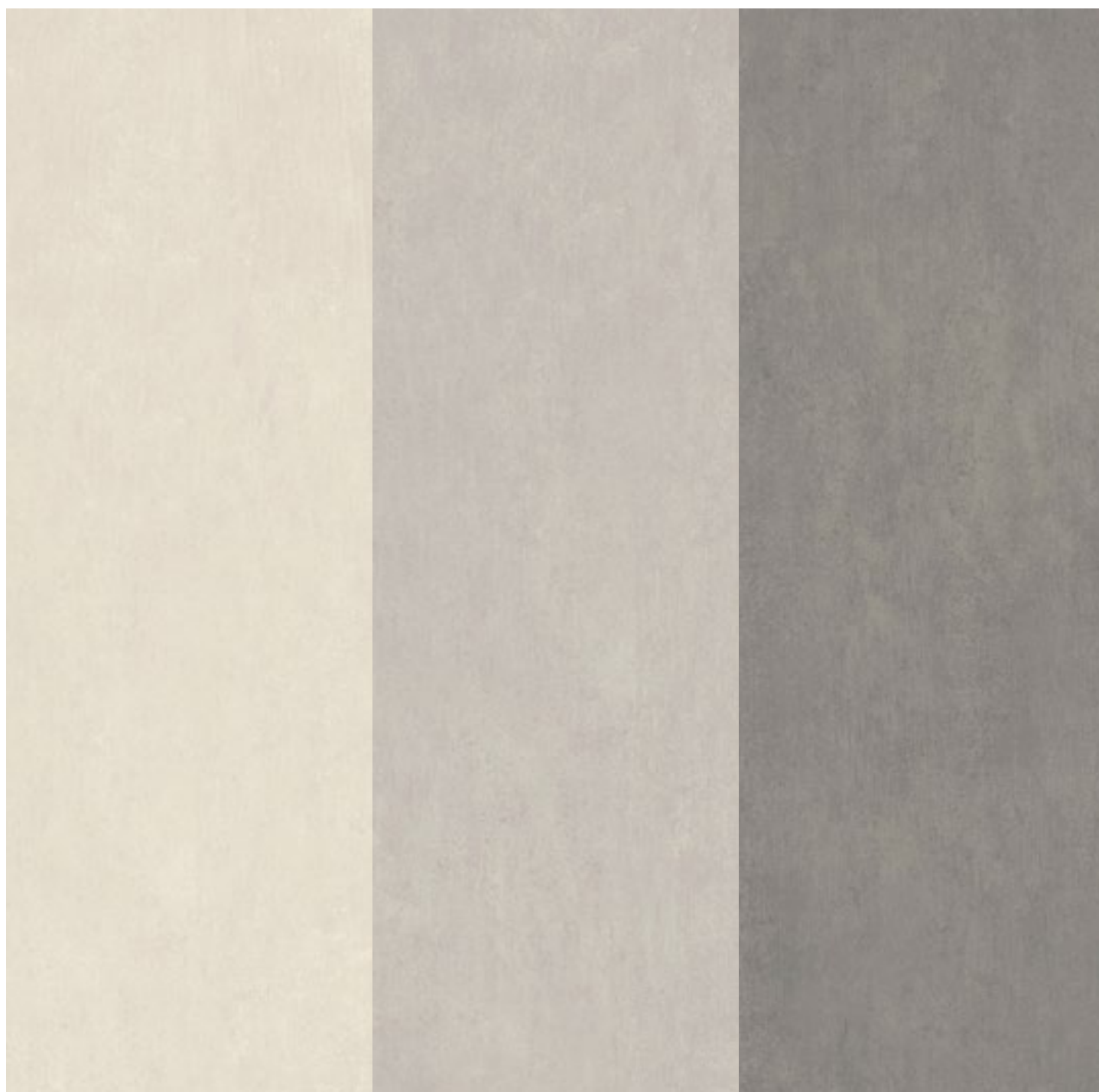
FJTT6HK021 120 x 120 P5260

Marengo

C1/R9

FJTT6HM031 120 x 240 P6750

FJTT6HK031 120 x 120 P5260

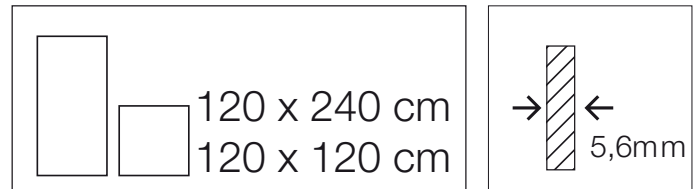




STONE

Large format plates

thickness



Beige

C1/R9

FJ1T6HM041 120 x 240 P6750

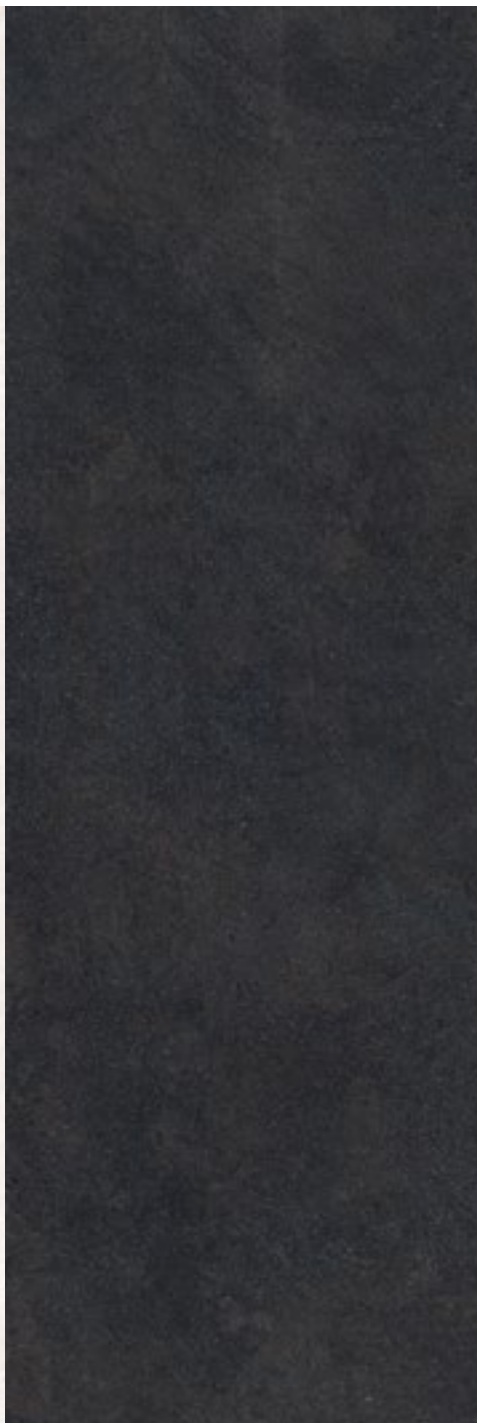
FJ1T6HK041 120 x 120 P5260

Negro

C1/R9

FJ1T6HM161 120 x 240 P6750

FJ1T6HK161 120 x 120 P5260

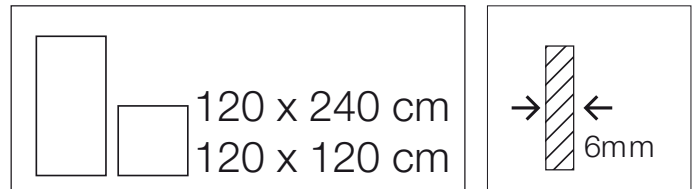




CALACATTA

Large format plates

thickness



Natural blanco

C1/R9

FHLT6HN011 120 x 240 P6850

FHLT6HL011 120 x 120 P5360

Pulido blanco

FHL6THN011 120 x 240 P8050

FHL6THL011 120 x 120 P5850

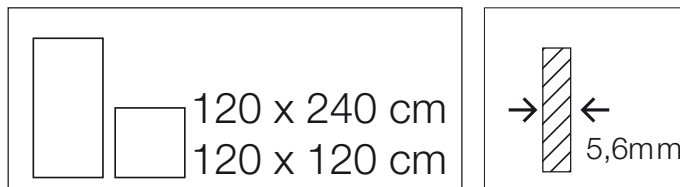




PURE

Large format plates

thickness



White

R9

FGYT6HM011 120 x 240 P6850

FGYT6HK011 120 x 120 P5360

White pulido

FGY6THM011 120 x 240 P8050

FGY6THK011 120 x 120 P5850

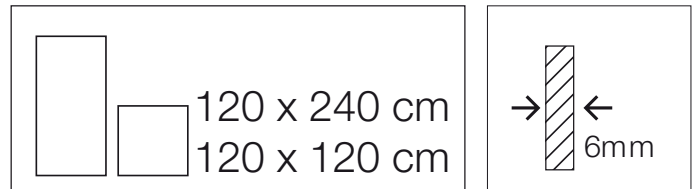




Textil

Large format plates

thickness



Blanco

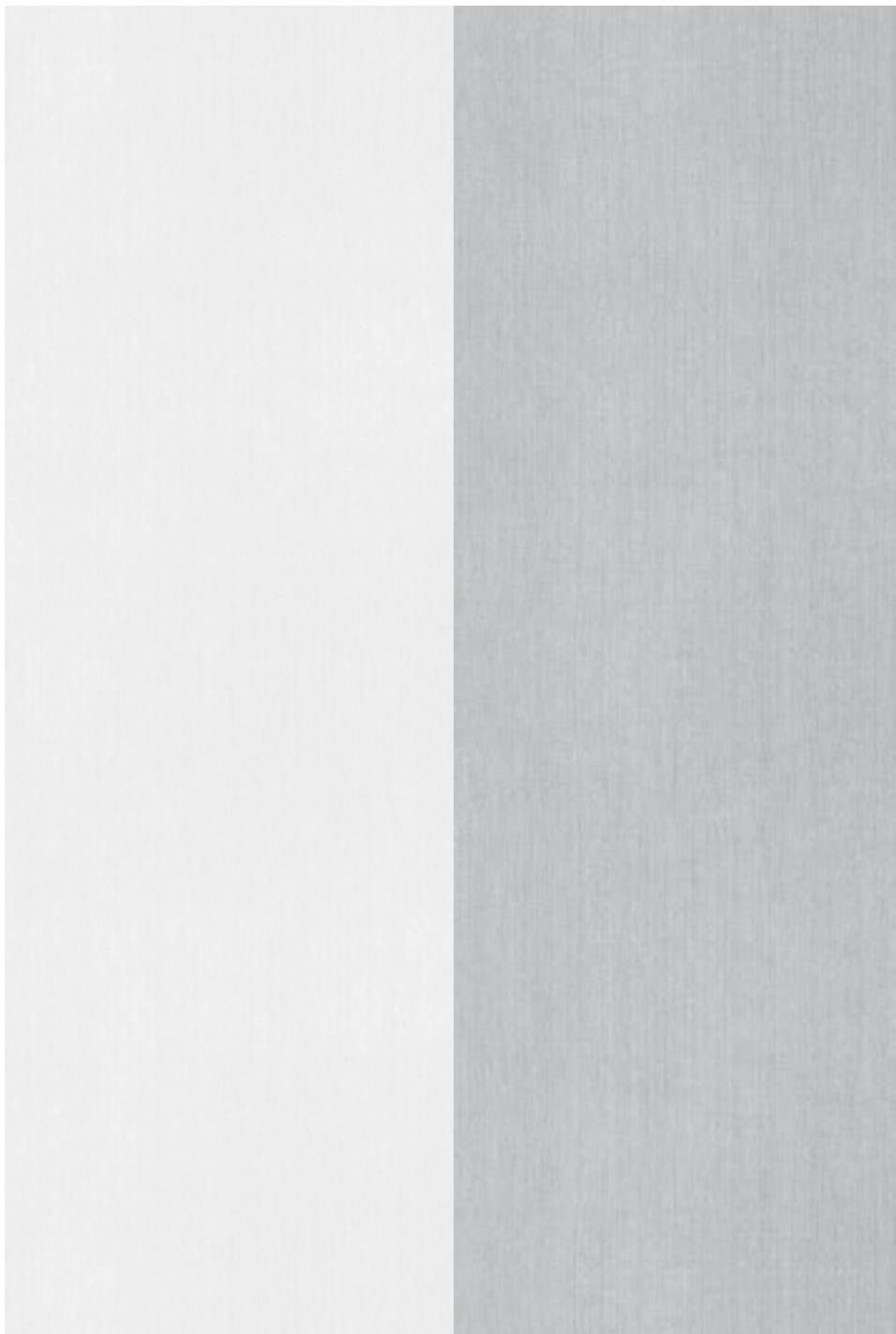
C1/R9

FJ0T6HN011 120 x 240 P6850
FJ0T6HL011 120 x 120 P5360

Gris

C1/R9

FJ0T6HN021 120 x 240 P6850
FJ0T6HL021 120 x 120 P5360





thinbig® technical information

Colección	Referencia	Water absorption UNE-EN ISO 10545-3	Bending strength UNE-EN ISO 10545-4	Breaking strength UNE-EN ISO 10545-4	Thermal shock resistance UNE-EN ISO 10545-9	Strain resistance UNE-EN ISO 10545-14	Resistance to acids and bases UNE-EN ISO 10545-14	Resistance deep abrasion UNE-EN ISO 10545-8	Durability UNE-EN ISO 10545-12	Ramp NORMA DIN 51 130	Pendulum UNE-ENV 12533/2003	Hardness EN-101	Shade variation CTDA
Downtown	Marengo Gris Blanco	≤ 0,5%	> 35 N/mm ²	>700 N	Accomplish	5	ULA UA	Accomplish	Accomplish	R9	Class 1	5	V-3
Stone	Beizge Negro	≤ 0,5%	> 35 N/mm ²	>700 N	Accomplish	5	ULA UA	Accomplish	Accomplish	R9	Class 1	4	V-3
Calacatta	Natural blanco	≤ 0,5%	> 35 N/mm ²	>700 N	Accomplish	5	ULA UA	Accomplish	Accomplish	R9	Class 1	4	V-3
Calacatta	Pulido blanco	≤ 0,5%	> 35 N/mm ²	>700 N	Accomplish	5	ULA UA	Accomplish	Accomplish		Class 1	3	V-3
Pure	White	≤ 0,5%	> 35 N/mm ²	>700 N	Accomplish	5	ULA UA	Accomplish	Accomplish	R9	Class 0	4	V-1
Pure	White pulido	≤ 0,5%	> 35 N/mm ²	>700 N	Accomplish	5	ULA UA	Accomplish	Accomplish		Class 0	3	V-3
Textil	Blanco Gris	≤ 0,5%	> 35 N/mm ²	>700 N	Accomplish	5	ULA UA	Accomplish	Accomplish	R9	Class 1	4	V-3

Packing thinbig®

Description	Format cm	Manufacturing format mm	Thickness	Box			Pallet		
				Pieces	Kg	m ²	Boxes	Kg	m ²
thinbig® Downtown	120 × 120	1200 × 1200	5,6	2	44,00	2,88	25	1.100,00	72,00
	120 × 240	1200 × 2400	5,6	13	631,15	37,44	1	631,15	37,44
thinbig® Stone	120 × 120	1200 × 1800	5,6	2	44,00	2,88	25	1.100,00	72,00
	120 × 240	1200 × 2400	5,6	13	631,15	37,44	1	631,15	37,44
thinbig® Calacatta	120 × 120	1197 × 1197	6,0	2	44,26	2,88	23	1.017,98	66,24
	120 × 240	1197 × 2397	6,0	20	941,00	57,60	1	941,00	57,60
thinbig® Pure	120 × 120	1200 × 1200	5,6	2	44,00	2,88	25	1.100,00	72,00
	120 × 240	1200 × 2400	5,6	13	631,15	37,44	1	631,15	37,44
thinbig® Textil	120 × 120	1197 × 1197	6,0	2	44,26	2,88	23	1.017,98	66,24
	120 × 240	1197 × 2397	6,0	20	941,00	57,60	1	941,00	57,60

Special pieces

Step	30 × 120	2	14,966	0,72	22	329,252	15,84
Skirting	9,5 × 120	13	22,269	1,482	42	935,298	62,24
Mesh	30 × 30	10	13,650	0,90	60	819,000	54,00

Handling

1. We recommend the use of a fork-lift to move and lift the boxes with thinbig® product, taking the centred boxes from the long end. If the box is taken from the short end we recommend the use of 2.5-metre long forks and if it is taken from the long end, then the fork should be at least 1.2 metres long.

To prevent the box from bending, causing the breaking of the product, the forks should be separated to the maximum.

2. The handling of the plate will always be carried out with the boxes close to the surface to be covered, with the help of someone else (never alone), holding the upper section and keeping it straight, with the corners well protected against accidental impacts. If this is not done properly, cracks might appear in the piece, which will later originate breakages.

A more robust option to handle the piece manually can be achieved with double suction clamps placed on a frame (this equipment may be purchased in points of sale specialising in building materials). The flexion of the pieces is achieved with this tool.

3. Rest the thinbig® piece on the long side and place it always on soft material (polystyrene, rubber, wood...) with enough separation. Place it against the wall at an approximate angle of 30°.

4. To store it horizontally, rest the piece on the worktop avoiding its bending. It is very important to ensure that the surface is clean and that it is even; otherwise it might cause the breakage of pieces when cutting or drilling.

Always wear protective anti-slip gloves when handling the pieces manually, as well as safety footwear.

Cutting and drilling

The thinbig® plates may be drilled easily with diamond tools normally used to work with glass or porcelain stoneware, in dry conditions or with water. Make sure the work surface is clean and even before handling the piece.

1. Linear cutting: glass cutters or power cutters with the suitable size for cutting may be used. The surface of the piece should be cut from one end to the other, without stopping the cutting procedure and always applying uniform pressure. Once the incision has been made slight pressure should be applied to both pieces.

2. Holes: If the hole is < 10mm diameter then the power drill should be used with a low rotation speed. High pressure should not be applied on the surface of the piece. Hole saws should be used for holes > 10mm diameter. We recommend the implementation of radii on the corners to avoid breakages due to strain.

3. Light mortising, sockets... drill the holes with the drill tips on the corners of the opening that needs to be done and after that use a power drill with diamond discs with a continuous band for straight lines.

4. Sharp edges need to be avoided to obtain a perfect finish. Finish the edges with abrasive sandpaper.

Laying instructions

An adequate and careful laying of the thinbig® products is essential to maximise their technical features. For this reason it is necessary to:

Prior to laying:

1. Verify the calibre, hue and quality of the product before laying.

2. Choose adequate installation tools (toothed trowel, suction grip and rubber trowel for pointing).

3. Ensure that the surface on which the material is to be laid is level, clean and insulated from dampness, otherwise, air pockets can originate during laying that might generate cracks during use.

4. Pay special attention to the type of adhesive to be used (check with your usual supplier of adhesive), as each type of ceramic requires the adequate adhesive (standard of reference: EN-1348). We recommend the use of products with epoxy resin.

5. We recommend the use of levelling systems such as wedges to ensure a correct laying.

6. The professional responsible for laying the material should choose the appropriate joints between pieces, as well as the perimeter joints in order to guarantee the correct absorption of structural movements and an allowance for dimensional tolerances of the product.

Roca Cerámica recommends laying this product with a minimum joint of 2mm for indoors and 5 mm for outdoors and checking if there are other instructions in the box (measurement between calibres or recommended joint).

Laying:

1. Apply the adhesive with a double glue technique without leaving any gaps, first on the back of the piece with a 3mm notch trowel and later on the support with a 6 mm slanted notch trowel, trying to cover the corners and the edges as well to avoid air pockets between the support and the piece.

2. Do not apply the adhesive on very large surfaces to avoid the loss of adhesion due to drying. The lines of the trowel, both on the piece and on the support, should all have the same direction in order to facilitate the air flow.

3. Hit gently the surface to eliminate gaps or air bubbles. Always check the perfect adhesion of the corners and edges. Do not step on the floor tiles right after laying, respecting the time indicated by the manufacturer of the adhesive.

4. Do not use coloured pointing material containing black smoke (micronized carbon) or dyes which can hamper the cleaning of the covered surface.

5. Clean off excess pointing material from the surface of the tiles when it is still fresh, using a sponge and clean water; never use hard materials that could scratch the ceramic product such as metal spatulas or abrasive scourers. Always follow the instructions of the manufacturer of adhesives.

6. Once the tiles are laid, avoid working in the tiled zone (plastering, painting, placing scaffolds or ladders, projecting metallic fragments from disc grinders, moving tools, dragging heavy objects, moving remains of abrasive building materials, etc.). If this cannot be avoided, always protect the tiles and joints to avoid subsequent cleaning or deterioration problems. The material used for this protection should not be harmful nor should it contain chemical agents that might damage the tiling.

Maintenance and cleaning

To maintain the beauty and elegance of Roca tiles, we recommend the daily cleaning of the material using conventional procedures.

To remove remains of dust and solids: sweeping or vacuum cleaning.

Do not use dust-catcher mops with silicone or wax.

The cleaning of the surface should be carried out with neutral soap and the amount of water recommended by the manufacturer.

Do not use cleaning products containing wax, brighteners or with similar additives as they may leave a waterproof layer on the tile over time that will affect its surface appearance.

We recommend the use of doormats, which should remain clean, in the entrances to tiled areas, either from the street, terraces or gardens, to avoid the entrance of abrasive elements. Special care should be taken in areas close to beaches or construction works, as sand or stones might be brought in.

We recommend placing protections on the objects that might damage the tile when dragged (metallic legs of tables, chairs, etc.), being especially rigorous with gloss and satin finished products.

Should the dirt not be removed entirely, we provide the following chart, where you may find the suitable cleaning agents for each type of dirt:

Type of stain	Cleaning agent
Oil, Ink, Marker pen, Tomato, Fruit, Chocolate, Grease	<ul style="list-style-type: none"> Organic solvent: alcohol, turpentine or acetone Alkaline detergent in liquid or powder form Bicarbonate of soda
Tar, Rubber, Shoe Polish, Paint, Graffiti, Wax, Resins, Nail varnish	<ul style="list-style-type: none"> Organic solvent: alcohol, turpentine or acetone
Coffee, Ice cream, Wine	<ul style="list-style-type: none"> Alkaline detergent in liquid or powder form
Lime, Cement, Beer, Metal deposits, Soft drinks, Juices	<ul style="list-style-type: none"> Diluted acids: vinegar, hydrochloric acid
Glue, Chewing gum, Tyre or shoe rubber	<ul style="list-style-type: none"> Organic solvent: alcohol, turpentine or acetone Diluted acids: hydrochloric acid
Blood, Mercurochrome, Iodine	<ul style="list-style-type: none"> Oxidant: Oxygenated water
Incrustations	<ul style="list-style-type: none"> Pressurized water

Never use any products containing hydrofluoric acid, only those indicated in the table above.

All the products in this table may be easily found in ordinary household stores and shopping centres.

Specially indicated for polished porcelain tiles:

Once the entire material has been laid and the remains of cement, pointing and other building material have been cleaned, on some polished surfaces the presence of an "oily" film can be observed due to the "stain-resistant" inertisation treatment they are given. Should this occur, Roca recommends the cleaning of the surface with dry-cleaning products (powder detergents), and once that fine protective layer has been removed, then clean the product as indicated previously. In extreme lighting conditions, light reflections might occur due to the high degree of brightness and the features of the product.

We recommend cleaning stains immediately.

thinbig®

thinbig[®]
time to
think big



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