

Tiles & Bathware

Simpolo Vitrified Private Limited

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RICCO[™] COLLECTION

120x240cm | 120x180cm





Designed exclusively for 'SPACERA' and 'LUMIERA' dealers' segments.

RICCO™ COLLECTION

WARMTH OF RICHNESS

It is well established amongst the Architects and Designers that every now and then, we, 'Simpolo', brings new innovative ceramic products to the table. Here we are again, going a step closer to the richness, with the first of its kind, 'RICCO Collection' that is made with 'POSH Surface'.

'RICCO' consists of 18 extraordinary designs separated into three sub-collections according to their visual appeal.

- 18 DESIGNS
- 3 SERIES
- 2 SIZES

AN IDEAL SOLUTION FOR HEAVY TRAFFIC INDOOR SPACES









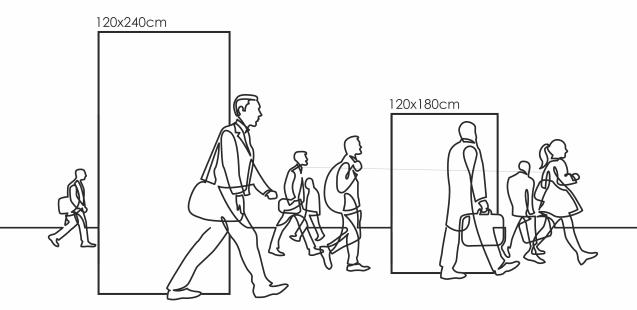




We understand that for heavy traffic indoor spaces you need tiles that are highly durable and so we bring you the perfect solution with the Ricco collection. This collection is the ideal solution for heavy traffic areas.

RICCO[™] COLLECTION

The Ricco Collection comes in two amazing sizes of 120x240cm and 120x180cm. These are designed keeping in mind the requirements of large spaces and heavy traffic in indoor areas. With these sizes of tiles, the installation process becomes easier and faster and it also gives your area a wide and uncluttered look as the grouting lines decrease.









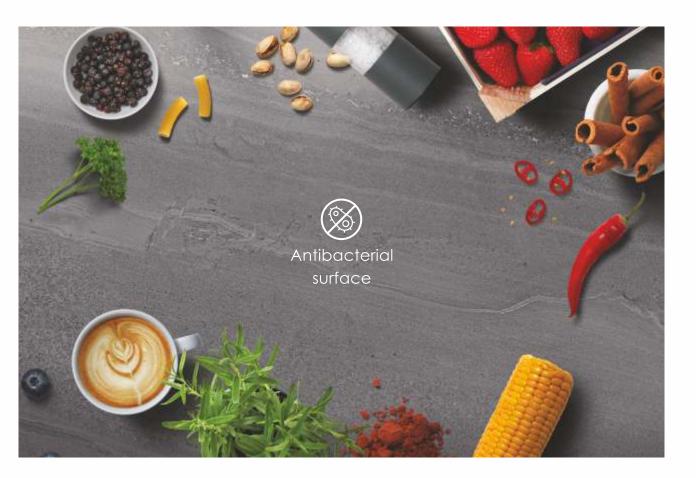




















RESISTANT



RESISTANT





RESISTANT



FROST RESISTANT

iM⁺[⊗] TECHNOLOGY

TOWARDS A BETTER YOU

While our control over the happenings in the world outside is quite limited, we must surely take onus of safety within our own happy place. Today, one's safety, health and wellness are amongst the greatest concerns globally, and this has given us an opportunity to innovate, and to come up with unique solutions that either eliminate or lessen the challenges we face each day.

Utilizing our latest production systems, we introduce you to a technology that removes uncertainties or doubts involving safety within your home - 'iM+ Technology'. The technology helps the product surface repel any liquid and does not allow unwanted or harmful living organisms to stay or grow. This water repellent and anti-bacterial surface created with 'iM+' requires the lowest maintenance efforts, keeping you from secondguessing your safety indoors.





CONFIDENTLY SMOOTH, COMFORTABLY ELEGANT.

As smooth as the breezing wind, 'POSH Surface' is yet another achievement for us. The exceptional surface is achieved with the exclusive and patented technology, It takes the surface quality to where no other technology can reach. Laying your hands on it will make you realize the elegance of the finish and you will understand how the 'Posh' feels like.

With this innovation, we have overcome the myth that smooth surfaces get scratches and stains. Despite having the unmatched smoothness, 'POSH Surface' is resistant to scratches.

EARTH



BLISS OF NATURE

There are countless amount of stones that our mother Earth possesses. 'RICCO Earth' takes its inspiration from the same. The six playful and dynamic stone designs will add subtleness to your spaces.





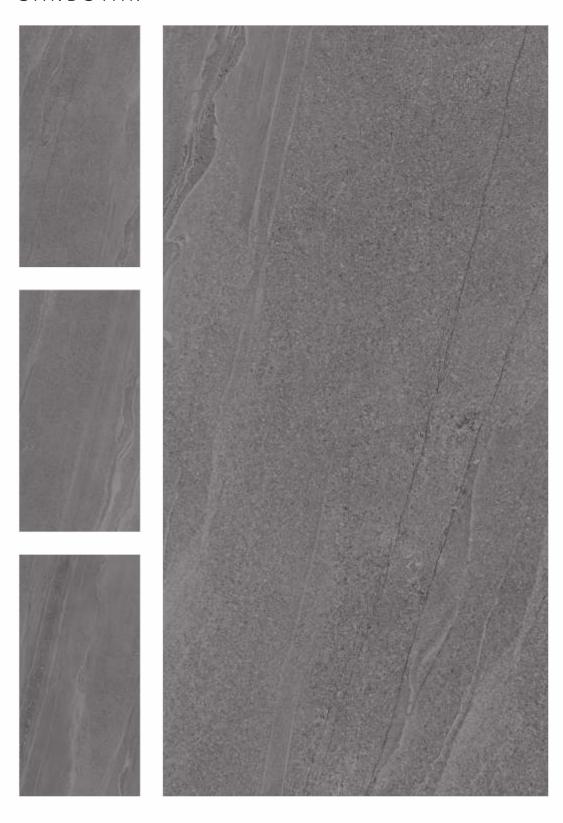
FLOOR SANDSTAR 120x240cm



FLOOR SANDSTAR 120x240cm

RICCO COLLECTION EARTH SERIES

SANDSTAR



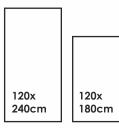
Technology - $\mathrm{i} \mathrm{M}^{+ \otimes}_{\scriptscriptstyle{0}}$ Type - colorbody

Thickness - 9mm











RICCO COLLECTION EARTH SERIES



BEOLA







Technology - $iM^{+ \ensuremath{ \otimes} }_{\circ}$

Type - colorbody

Thickness - 9mm

POSH SURFACE



Touch for Virtual



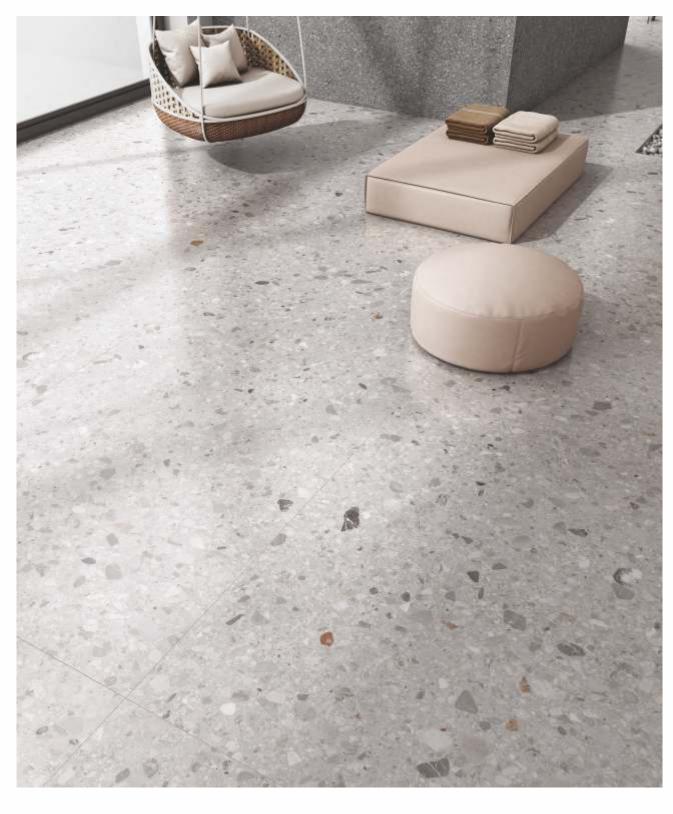
120x 240cm

120x 180cm



FLOOR CHEPPO PURE 120x240cm

RICCO COLLECTION
EARTH SERIES



FLOOR CHEPPO PURE 120x240cm

CHEPPO PURE

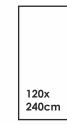


Technology - $\mathrm{i} \mathrm{M}^{+ \otimes}_{\scriptscriptstyle{0}}$ Type - colorbody

Thickness - 9mm







Random - 3 Random - 3

120x

180cm



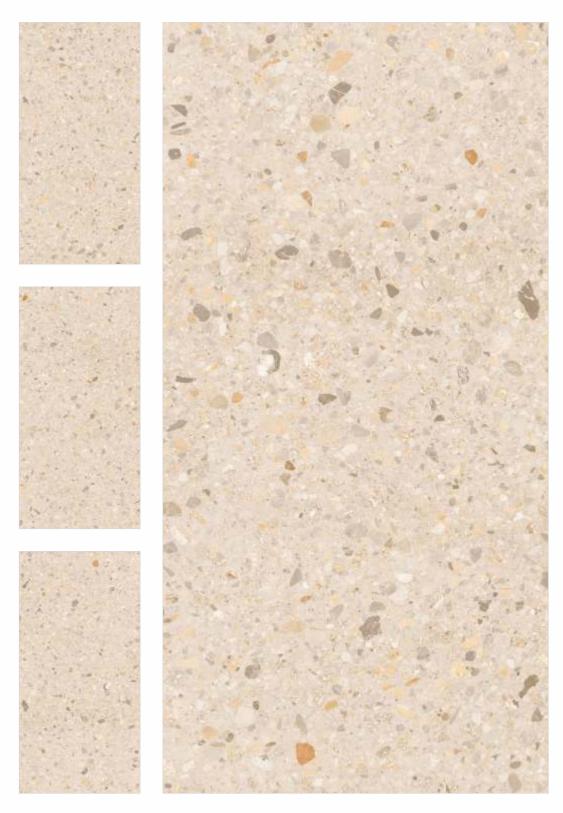
FLOOR

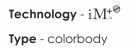
CHEPPO BEACH

120x180cm

RICCO COLLECTION EARTH SERIES

CHEPPO BEACH





Thickness - 9mm







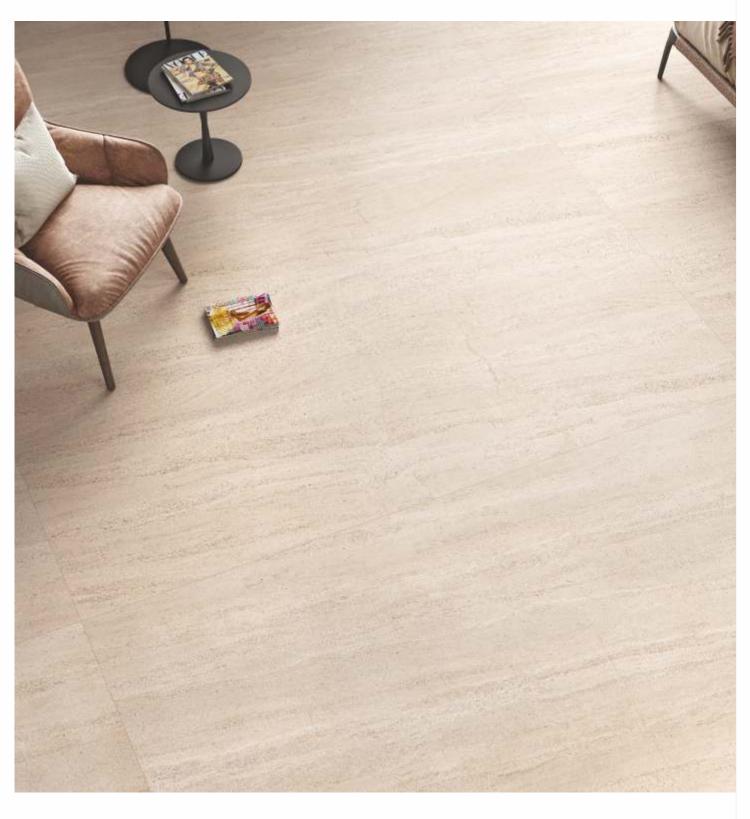
120x 180cm

Random - 3 Random - 3

FLOOR CHEPPO BEACH 120x180cm







NEATSTONE 120x240cm **FLOOR**

NEATSTONE



Technology - $\mathrm{i} \mathrm{M}^{+ \otimes}_{\,{}_{\!\!\scriptscriptstyle{0}}}$

Type - colorbody

Thickness - 9mm









120x 180cm



FLOOR SANDSTAR BEACH 120x180cm



SANDSTAR BEACH

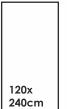


Technology - $\mathrm{i} M^{+ \otimes}_{\scriptscriptstyle{0}}$ Type - colorbody

Thickness - 9mm







120x 180cm

RICCO



SEIZE THE BRILLIANCE

The four classic white designs and two complimenting greys are best if you are looking to go the classic and sophisticated way with your spaces.





FLOOR FUSONYX DOVE 120x180cm



FLOOR FUSONYX DOVE 120x180cm

RICCO COLLECTION MOON SERIES

FUSONYX DOVE



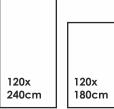
Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$ Type - colorbody

Thickness - 9mm











RICCO COLLECTION MOON SERIES



CINEREA RIVER









Technology - $iM_{\circ}^{+\varnothing}$ Type - colorbody

Thickness - 9mm

POSH ™







0x 1

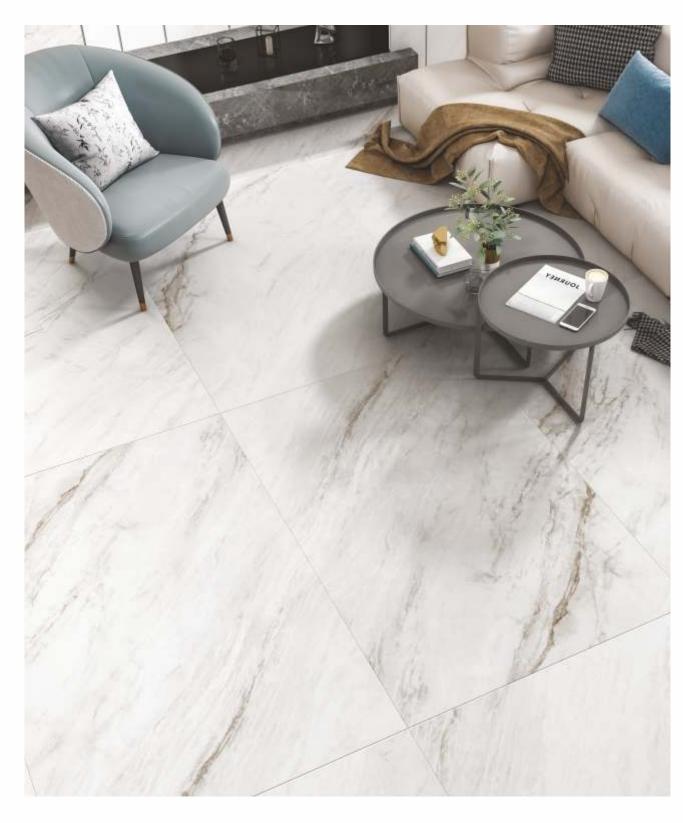
120x 180cm



FLOOR MICHELANGELO RUST 120x240cm

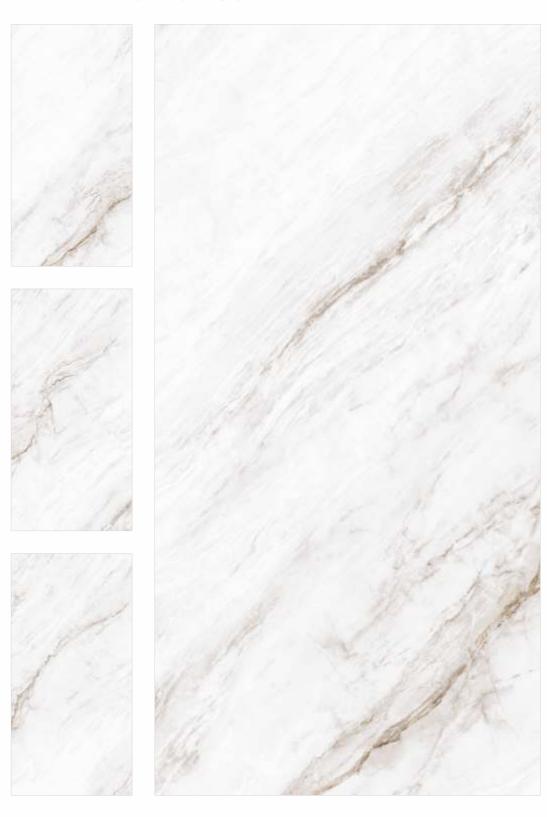
RICCO COLLECTION MOON SERIES

RICCO COLLECTION MOON SERIES



FLOOR MICHELANGELO RUST 120x240cm

MICHELANGELO RUST



Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$ Type - colorbody

Thickness - 9mm





<u>360°</u>

120x 180cm 120x 240cm



FLOOR

STATUARIO NEX

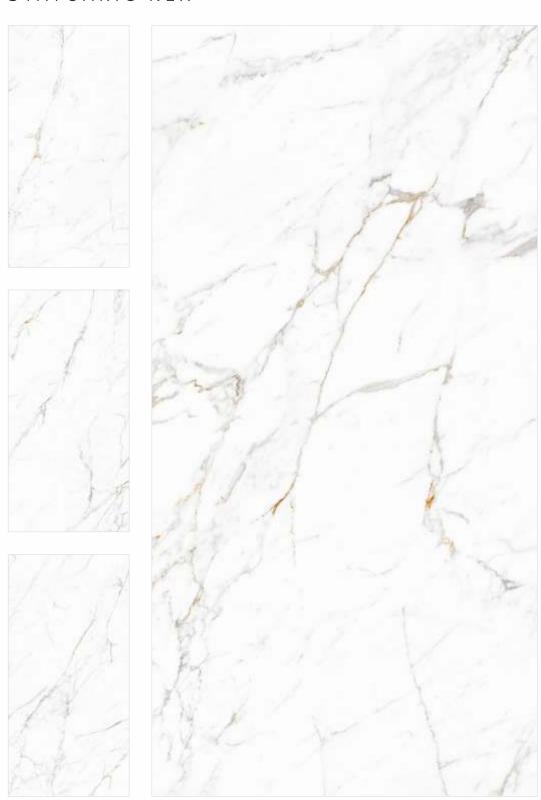
120x240cm

RICCO COLLECTION MOON SERIES

FLOOR STATUARIO NEX 120x240cm



STATUARIO NEX



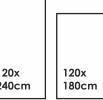
Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$ Type - colorbody

Thickness - 9mm











RICCO COLLECTION MOON SERIES



FLOOR STATUARIO PRESTO 120x240cm

STATUARIO PRESTO



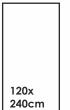
Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$ Type - colorbody

Thickness - 9mm





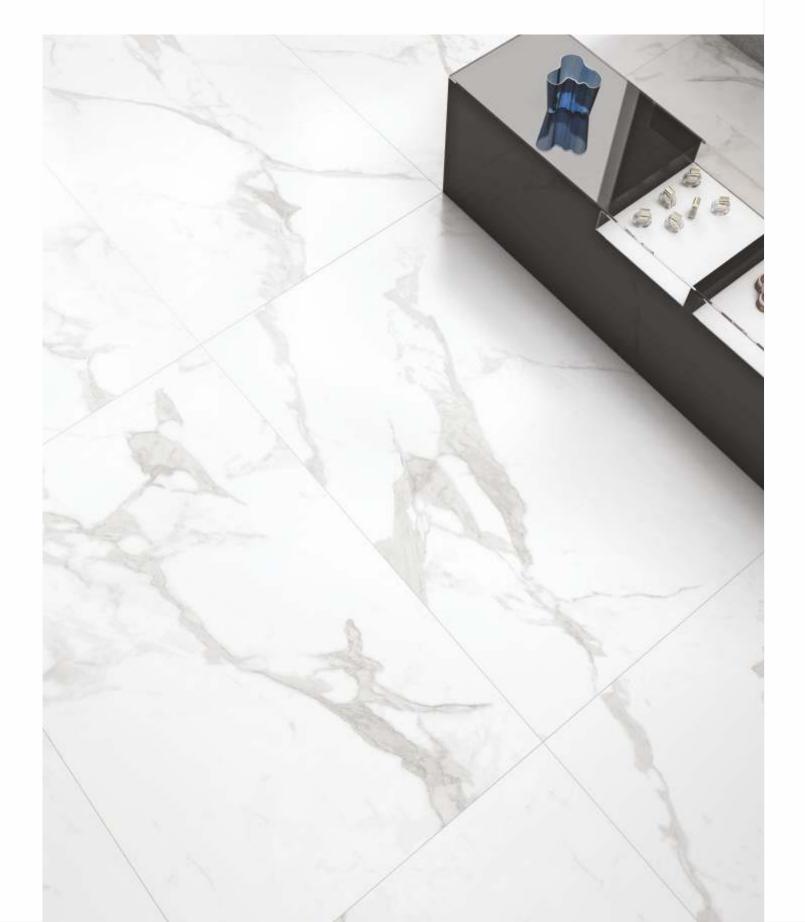




120x 180cm



FLOOR STATUARIO RHYME 120x180cm



STATUARIO RHYME



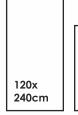
Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$ Type - colorbody

Thickness - 9mm









120x 180cm

SUN



EXPLORE PURE RADIANCE

From light cream to dark brown, the warm designs of classic marbles and the adventurous fusions, are capable of adding a touch of comfort and warmth to your spaces.





FLOOR FUSONYX BEACH 120x180cm



FLOOR FUSONYX BEACH 120x180cm

RICCO COLLECTION SUN SERIES

FUSONYX BEACH



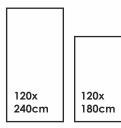
Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$ Type - colorbody

Thickness - 9mm











RICCO COLLECTION SUN SERIES



ARMANISUN



Technology - $\mathrm{i} \mathrm{M}^{+\otimes}$ Type - colorbody

Thickness - 9mm

POSH

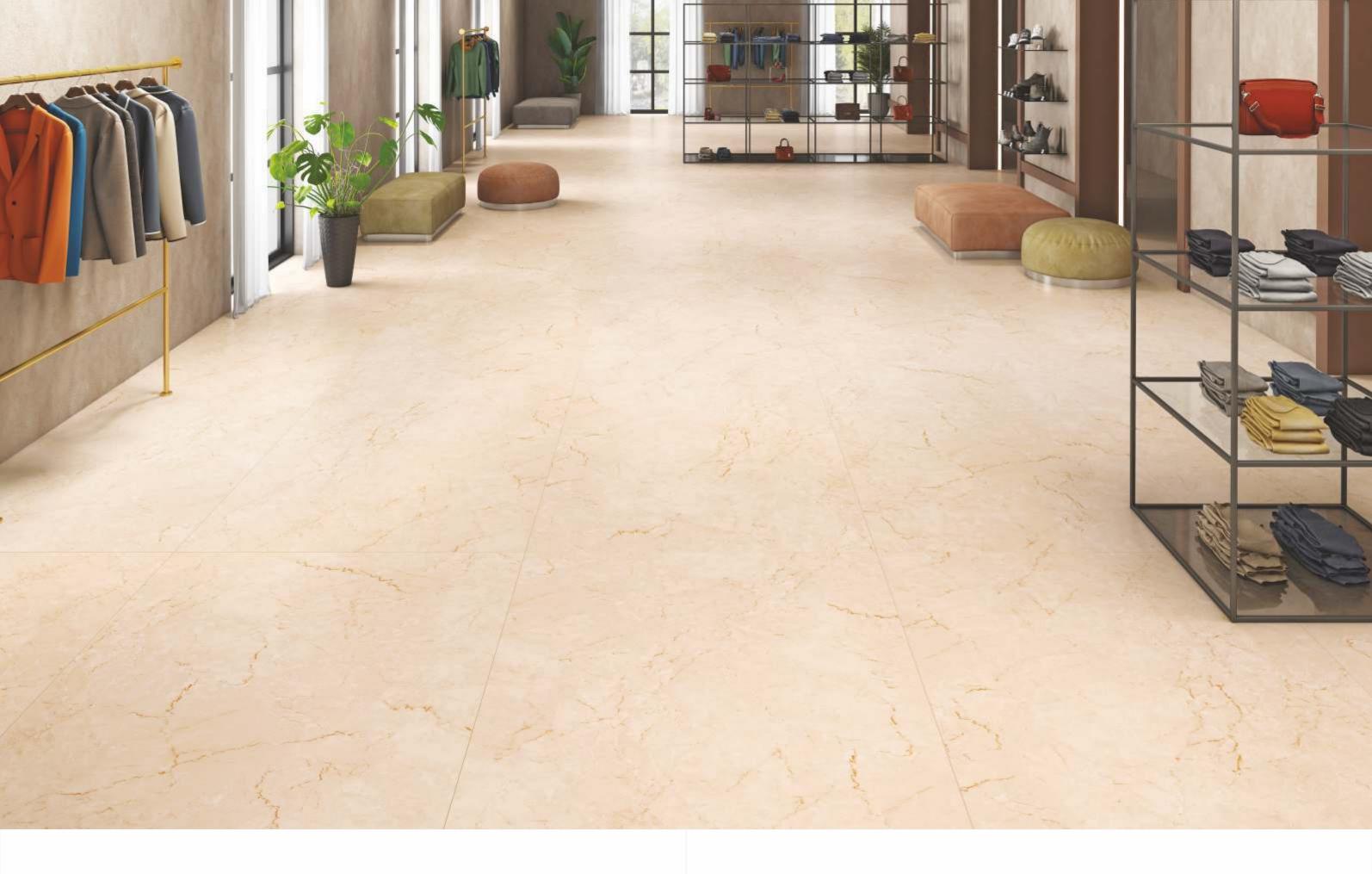






Random - 3 Random - 3

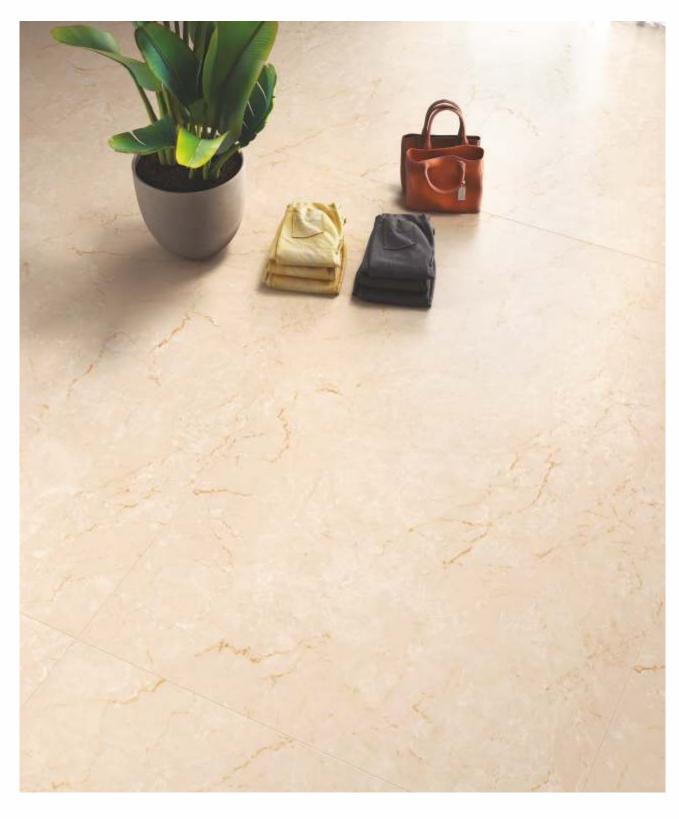
120x 180cm



FLOOR BOTTOCHINO CALDO 120x180cm

RICCO COLLECTION SUN SERIES

RICCO COLLECTION SUN SERIES



FLOOR BOTTOCHINO CALDO 120x180cm

BOTTOCHINO CALDO

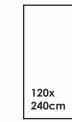


Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$ Type - colorbody

Thickness - 9mm











FLOOR

ROYAL TAUPE

120x180cm

RICCO COLLECTION
SUN SERIES

FLOOR

ROYAL TAUPE

120x180cm



ROYAL TAUPE



Technology - $\mathrm{i} M^{+ \! \otimes}_{\scriptscriptstyle{\circ}}$

Type - colorbody

Thickness - 9mm





Touch for Virtual <u>360°</u>



120x 240cm

120x 180cm





ARMANI MOCHA **FLOOR** 120x240cm

ARMANI MOCHA

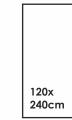


Technology - $\mathrm{i} M^{+ \otimes}_{\scriptscriptstyle{0}}$ Type - colorbody

Thickness - 9mm











COPPER







Technology - $\mathrm{i} M^{+ \otimes}_{\scriptscriptstyle{0}}$ Type - colorbody

Thickness - 9mm





<u>360°</u>



120x 180cm

TECHNICAL SPECIFICATION



CHARACTERISTIC	STANDARD AS PER ISO13006:2018/ EN14411 Gr.Bla	MEAN VALUE OF SIMPOLO	TEST METHOD
Regulatory Properties ————————————————————————————————————			
Deviation in Length and Width	± 0.30 % (±1.00mm)	± 0.10 %	ISO 10545-2
Deviation in Thickness	± 5.00 % (±0.50mm)	± 4.00 %	ISO 10545-2
Straightness in Side	± 0.30 % (±0.80mm)	± 0.10 %	ISO 10545-2
Rectangularity	± 0.30 % (±1.50mm)	± 0.10%	ISO 10545-2
Surface Flatness Central Curvature	± 0.40 % (±1.80mm)	± 0.20 %	ISO 10545-2
Surface Flatness Edge Curvature	± 0.40 % (±1.80mm)	± 0.20 %	ISO 10545-2
Surface Flatness Warpage	± 0.40 % (±1.80mm)	± 0.10 %	ISO 10545-2
Surface Quality	>95% defects free	>95% defects free	ISO 10545-2
Small Color Difference(for Plain Colour)	ΔE <1.00	ΔE < 0.30	ISO 10545-16
Glossiness (Polished)	as per mfg.	Gloss Value >90	Gloss Meter 60
Glossiness (Matt)	as per mfg.	3< Gloss Value <7	Gloss Meter 60
Glossiness (Satin/Posh)	as per mfg.	7< Gloss Value <18	Gloss Meter 60
Structural Properties ————————————————————————————————————			
Water absorption	≤0.50 %	≤0.060 %	ISO 10545-3
Bulk density	as per mfg.	Min. 2.28 g/cc	ISO 10545-3
Massive Mechanical Properties ————			
Modulus of rupture	Min. 35.0 N/mm ²	Min. 42.0 N/mm ²	ISO 10545-4
Breaking strength thickness <7.5	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4
Breaking strength thickness ≥7.5	Min. 1300.0 N	Min. 1800.0 N	ISO 10545-4
Breaking strength thickness ≥7.5(15mm)	Min. 1300.0 N	Min. 7500.0 N	ISO 10545-4
Surface Mechanical Properties ————			
MOH'S hardness #	as per mfg.	Polished Min. 4*/ Satin, Posh & Matt Min. 6	BS EN 15771
Surface abrasion resistance #	as per mfg.	Polished Min. 2 / Satin & Posh Min. 3 / Matt Min. 4	ISO 10545-7
Deep abrasion resistance #	Max. 175mm³	Max. 132mm³	ISO 10545-6
Thermal Hydrometric Properties ————			
Moisture expansion	Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	ISO 10545-10
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 x 10 ⁻⁶	ISO 10545-8
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9
Impact resistance(COR) #	Min. 0.55	Min. 0.55	ISO 10545-5
Frost resistance	as per mfg.	Frost Proof	ISO 10545-12
Chemical Properties ————————————————————————————————————			
Resistance to staining glazed	Min. Class 3	Min. Class 4	ISO 10545-14
Resistance to household chemicals & swimming pool salts glazed	Min. Class GB	Min. Class GA	ISO 10545-13
Resistance to low concentrate acid and alkalis glazed	as per mfg.	Min. Class GLA**	ISO 10545-13
Resistance to high concentrate acid and alkalis glazed	as per mfg.	Min. Class GHB**	ISO 10545-13
Safety Properties ————————————————————————————————————			
Skid resistance(DCOF-DRY) ##	as per mfg.	Glossy P0(<12) / Posh ≥P1(12-24) / Matt ≥P2(25-34)	BS 7976-2
Slip resistance(DCOF)(R value) ##	as per mfg.	R9 to R13	DIN 51130
Fire resistance	as per mfg.	Fire Proof	N.A.

Parameters are applicable for 1st Choice/Premium Grade Materials Only.

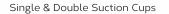
PACKING DETAILS

	PRODUCT	SIZE	ACTULE SIZE	SIZE IN INCH	THICKNESS	TILES / BOX	COVERAGE	AREA / BOX
RICCO	PICCO	120x240cm	1200x2400mm	48x96in	9mm	lpc	31.00 Sq ft	2.88 Sq m
	RICCO	120x180cm	1200x1800mm	48x71in	9mm	2pc	46.50 Sa ft	4.32 Sa m

RECOMMENDED TOOLS

HANDLING EQUIPMENT







Aluminium Parallel Profile with Crossbars



Suction Vacuum Suction Cups with Vacuum Gauge



Tile Cart Trolley



Modular Work Bench

INSTALLATION & LEVELLING EQUIPMENT



Clips, Wedges & Adjustable Pliers for Wall and Floor Covering



Tile Spacers



Electric Cement Low-speed Mixer



Rubber Grout Floats



Slant Ridge Notched Trowel



ANTI-SHOCK Levels

SLAB CUTTING EQUIPMENT



Slab Cutter System



Cutting o Pliers for Slabs



Diamond Polishing Pad

Note: For each slab, there will be multiple random faces with dierent graphic designs of the same genre. For best results of fixing slabs of any size/format, across any application, please refer to the Technical Manual in this catalogue.

^{*} With Nano polished
** Except Hydrofluoric Acid & it's compound
Tiles Intended for use on floor

^{##} As per customer requirement

COMMONLY AFFECTED

STAINS GUIDANCE

For highly aggressive cleaning caused by some common food and substances, follow the table below.

SR. NO.	SUBSTANCES	NANO TREATED SURFACE	REGULAR SURFACE		
A. DO	A. DOMESTIC AREA				
1	GREEN VEGETABLE STAIN	WET COTTON CLOTH	MILD DETERGENT		
2	FRUIT STAIN	WET COTTON CLOTH	MILD DETERGENT		
з ;	DAL-SAMBHAR	WET COTTON CLOTH	CITRIC ACID/NIMBU		
4	CURRY	WET COTTON CLOTH	CITRIC ACID/NIMBU		
5	TOMATO SAUCE	WET COTTON CLOTH	CITRIC ACID/NIMBU		
6	SOYA SAUCE	WET COTTON CLOTH	MILD DETERGENT/CITRIC ACID/NIMBU		
7	EDIBLE OIL	WET COTTON CLOTH	BAKING SODA/MILD DETERGENT/ACETONE#/TURPENTINE#		
8	SINDUR OIL MIX	WET COTTON CLOTH	BAKING SODA/MILD DETERGENT/ACETONE#/TURPENTINE#		
9	GHEE	WET COTTON CLOTH	BAKING SODA/MILD DETERGENT/ACETONE#/TURPENTINE#		
10 ¦	COLD DRINKS	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER		
11	TEA	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER/STRONG ALKALINE SOLUTION		
12	COFFEE	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER/STRONG ALKALINE SOLUTION		
13	WAX	WET COTTON CLOTH	PAINT REMOVER		
14	LEAD PENCIL	WET COTTON CLOTH	PLAIN WATER/HYDROCHLORIC ACID		
15	SKETCH PEN	WET COTTON CLOTH	HOUSEHOLD DETERGENT		
16	NORMAL COLOUR PENCIL	WET COTTON CLOTH	HOUSEHOLD DETERGENT		
17	WAX PENCIL	WET COTTON CLOTH	PAINT REMOVER		
18	WATER COLOUR	WET COTTON CLOTH	PLAIN WATER		
19	MARKER	WET COTTON CLOTH	DILUTE SULPHURIC ACID#/TOLUENE#/XYLENE#		
20	NAIL POLISH	NAIL POLISH REMOVER	NAIL POLISH REMOVER		
21	SHOE POLISH LIQUID	WET COTTON CLOTH	HOUSEHOLD DETERGENT		
22	CHERRY SHOE POLISH	WET COTTON CLOTH	WET COTTON CLOTH		
23 ¦	HAIR DYE	DILUTE NITRIC ACID	DILUTE NITRIC ACID		
24	HAIR MEHENDI	DILUTE HYDROCHLORIC ACID	DILUTE HYDROCHLORIC ACID		
25	LIPSTICKS	WET COTTON CLOTH	HYDROGEN PEROXIDE/HOUSEHOLD CLEANER		
26	BLUE INK	WET COTTON CLOTH	ACETONE#/TURPENTINE#/TRICHLOROETHYLENE#		
27	BLACK INK	WET COTTON CLOTH	ACETONE#/TURPENTINE#/TRICHLOROETHYLENE#		
28	HAND MEHENDI	WET COTTON CLOTH	DILUTE HYDROCHLORIC ACID		
29	TURMERIC	WET COTTON CLOTH	MILD DETERGENT		
30	GLUE	WET COTTON CLOTH	ACETONE#/TURPENTINE#		
31	UJALA	WET COTTON CLOTH	ACETONE#/TURPENTINE#/TRICHLOROETHYLENE#		
32	TOMATO KETCHUP	WET COTTON CLOTH	CITRIC ACID/NIMBU		
33	OLIVE OIL	WET COTTON CLOTH	BAKING SODA/MILD DETERGENT/ACETONE#/TURPENTINE#		
34	MUSTARD OIL	WET COTTON CLOTH	BAKING SODA/MILD DETERGENT/ACETONE#/TURPENTINE#		
B. HC	OTEL/FAST FOOD/CAF	É HOUSE ETC			
1 ¦	DAL	WET COTTON CLOTH	CITRIC ACID/NIMBU		
2	CURRY	WET COTTON CLOTH	CITRIC ACID/NIMBU		
3	TURMERIC	WET COTTON CLOTH	MILD DETERGENT		
4 1	CHILLI	WET COTTON CLOTH	MILD DETERGENT		
5 :	EDIBLE OIL	WET COTTON CLOTH	BAKING SODA/MILD DETERGENT/ACETONE#/TURPENTINE#		
6	PICKLE	WET COTTON CLOTH	CITRIC ACID/NIMBU		
7 !	TOMATO SAUCE	WET COTTON CLOTH	CITRIC ACID/NIMBU		
8	CHILLI SAUCE	WET COTTON CLOTH	BAKING SODA/MILD DETERGENT		
9	SOYA SAUCE	WET COTTON CLOTH	MILD DETERGENT/CITRIC ACID/NIMBU		
10	COLD DRINKS	WET COTTON CLOTH	MILD DETERGENT		
11	FRUIT STAIN	WET COTTON CLOTH	MILD DETERGENT		
12	WINE/ALCOHOL	WET COTTON CLOTH	MILD DETERGENT		
13	TEA	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER		
14	COFFEE	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER		
15	ICE CREAM	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER		
16 !	CIGARETTE END	WET COTTON CLOTH	HYDROCHLORIC ACID		
	SIGNAL TE END	1			

SR. NO.	SUBSTANCES	NANO TREATED SURFACE	REGULAR SURFACE			
A. DO	A. DOMESTIC AREA					
1	PAINT	WET COTTON CLOTH	PAINT REMOVER/METHYLE ETHYL KETONE#/TOLUENE#			
2	EPOXY/RESIN	WET COTTON CLOTH	TRICHLOROETHYLENE#/DICHLORO METHANE#			
3	GLUE	WET COTTON CLOTH	ACETONE#/TURPENTINE#			
4	RUST	WET COTTON CLOTH	HYDROCHLORIC ACID			
5	TAR	WET COTTON CLOTH	TRICHLOROETHYLENE#/METHYLE ETHYL KETONE#			
6	TYRE MARK	WET COTTON CLOTH	METHYLE ETHYL KETONE#			
7	CEMENT	WET COTTON CLOTH	HYDROCHLORIC ACID			
8	BLOOD	WET COTTON CLOTH	DILUTE NITRIC ACID			
9	GREASE	WET COTTON CLOTH	DETERGENT			
10	MOBIL OIL	WET COTTON CLOTH	DETERGENT			
11	METHYLNE BLUE	WET COTTON CLOTH	PHOSPHORIC ACID#/HYDROCHLORIC ACID			
12	IODINE	WET COTTON CLOTH	HYDROCHLORIC ACID			
13	RED AGENT	WET COTTON CLOTH	WET COTTON CLOTH			
14	GREEN AGENT	WET COTTON CLOTH	WET COTTON CLOTH			
15	POTASSIUM PARMANGANET	WET COTTON CLOTH	HYDROCHLORIC ACID			
16	VARNISH :	WET COTTON CLOTH	ACETONE#/TURPENTINE#			
	i	i				



SINTERING TECHNOLOGY

The latest Sintering Technology is capable of reaching very high temperatures up to 1225°C and above. Therefore the technical characteristics of ceramics are strengthened and amplified. The resultant product has high strength with certain amount of elastic flexibility.



IMPACT RESISTANCE

This material has incredible strength, MOR is 40N/mm2 (granite is 13.8N/mm2), breaking strength 2000N (at least 30% to 40% better than granite) and an impact resistance of 0.55.



ZERO WATER ABSORPTION (> 0.06%)

The sintering at exceptionally high temperatures renders the product resistant to scratching, staining and fading because of its near zero water absorption (>0.06%) whereas in case of granite, it is 0.15%.



STAIN RESISTANT

Low porosity makes these sintered surfaces impervious to harsh chemicals like bleach, hydrochloric acid and other cleaning agents. Sintered slabs are able to withstand extreme heat and can be spray painted with no irreversible damage to the material.

INSTALLATION PROCESS

FOR SIMPOLO SLABS



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 sucient 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.



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 damage



BLACKROUND / BASE / SCREED

- Prepare a screed with a perfectly flat, dry, compact, dust-free surface, with no cracks or other visible damage. The ideal height dierence 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 ioints as necessary.
- It should be according to BS 8204-1-2003 or DIN 18560 standards



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.
- 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 depending 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 3 mm 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
- 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.



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), dierent sized tiles can be used within a single floor pattern, while still achieving perfect laying.



USE OF TILE LEVELLING SYSTEM DURING THE INSTALLATION

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



GROUTING

- · We recommend you to use grout with the same colour 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 coloured pigments in contrast with colour 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 o 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.



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 o the job by hand in the harder to reach spots, such as the corners of the walls.



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 eects 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 eects 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 o 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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