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PROZZO[®] SLABS
COLLECTION — 120x240cm
120x180cm

GRAND SURFACES FOR

LUXURIOUS SPACES

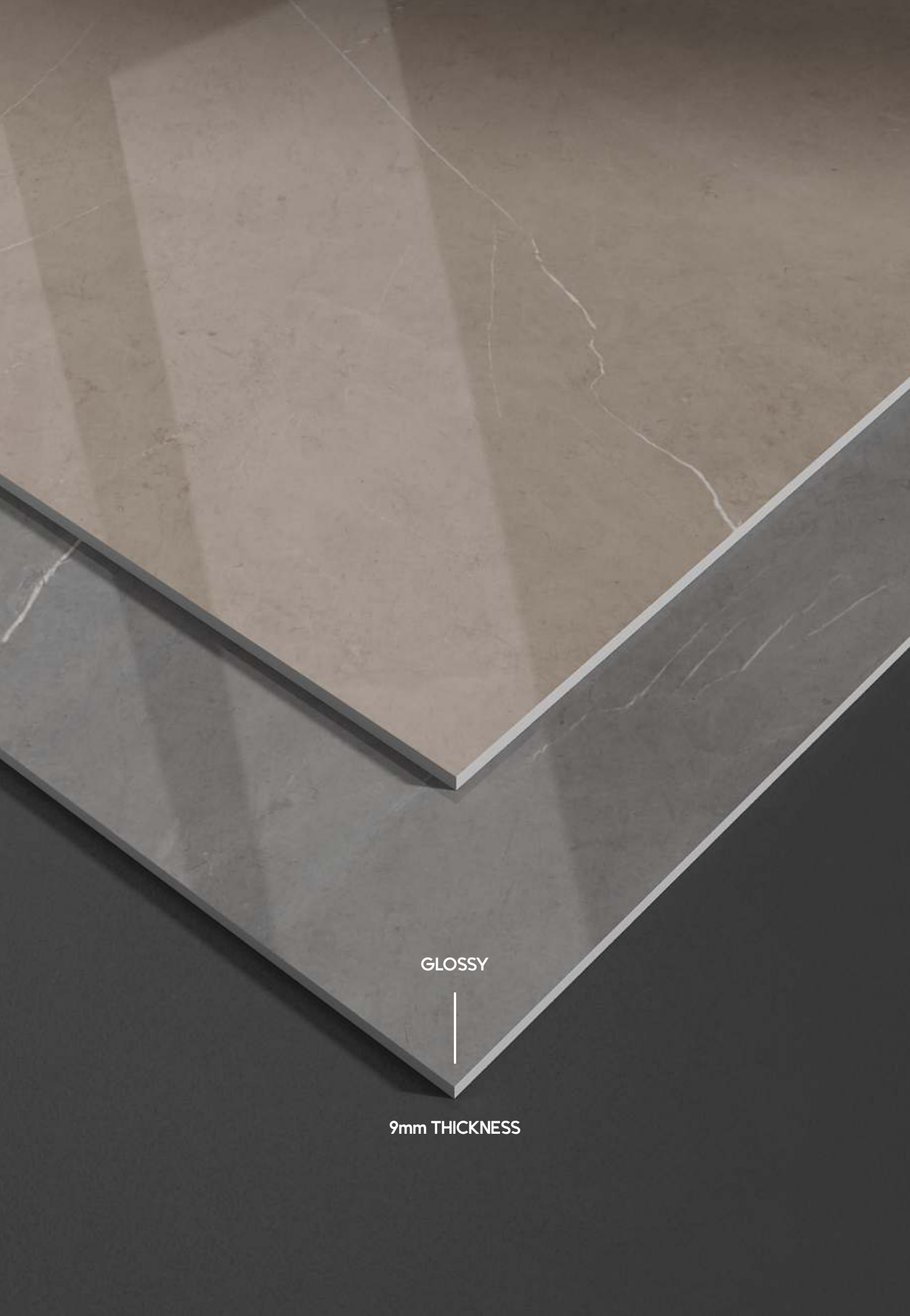


PROZZO[®] SLABS COLLECTION

GALACTIC DESIGNS OFFER TREMENDOUS ELEGANCE.

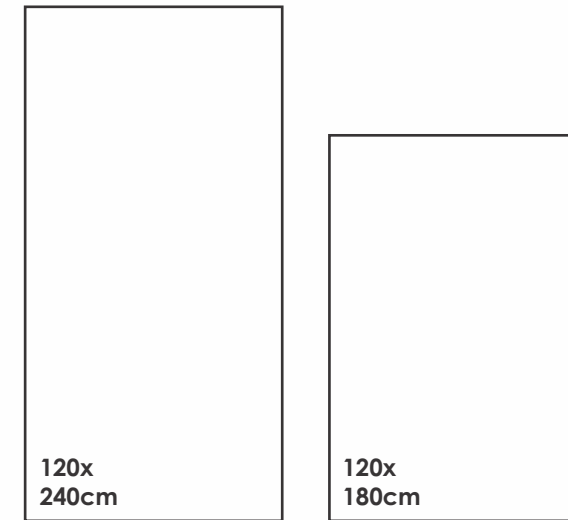
Along with the varieties in design, we must consider the size as a crucial element while developing a distinct collection. As you know, 'Simpolo' leaves no stone unturned when it comes to fulfilling the consumer's needs. Here is an exciting new collection of the size that has gained its reputation and grandeur over the years in the ceramic industry - 120x240cm.

'PROZZO SLABS' is our latest collection, which houses the largest tile of the 'PROZZO' family, is developed after studying the trends thoughtfully. The cold designs and warm designs are carefully curated and developed in a way that they complement the large size of the slab.



GLOSSY

9mm THICKNESS



2 SIZES

2 SERIES

25 DESIGNS

APPLICATION AREAS



FURNITURE \ DOOR \ TABLE \ SHELF \ WALL
FLOOR \ COUNTER TOP \ FIRE PLACE

Prozzo slabs offer tow grant and dynamic sizes that are perfect to apply in every area of your space. With its wide variety of designs and glorious finish, it can turn every space into an architectural paradise!



PRODUCT INTRODUCTION

Sintered Compact Surface is one of the most innovative and versatile surface covering material invented in this century and Simpolo is the first company in India to introduce the same. All Natural Marbles, Granites and other varieties of stones are created in thousands of years by nature through extreme heat and dynamic pressure.

Sintered Compact Surface is made by accelerating this process in factories, through the use of finest mix of natural raw materials' (plastic clay component < 20%) and compacting them to very high pressure by using GEA-Lamina 44,000 tones hydraulic presses and sintering (vitrification) through heat treatment.



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 (>0.05%)

The sintering at exceptionally high temperatures renders the product resistant to scratching, staining and fading because of it's near zero water absorption (>0.05%) 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.



FOR WALL APPLICATION



FOR FLOOR APPLICATION



FULLY CUSTOMIZABLE



FINE DETAILING



FROST RESISTANT



120x
240cm

120x
180cm

10 COLD
COLORS

PROZZO

MOON-RAY

SIMPLE BUT SIGNIFICANT

Get ready to embellish your space with the beautiful shades of grey with the moon-ray series. If you are looking to create an elegant space with a cozy touch, this series will suit your style.

PROZZO® SLABS
COLLECTION



STATUARIO WOLF

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



STATUARIO WOLF

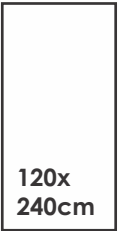


STATUARIO WOLF

Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 4



Random - 4



STATUARIO EQUITA

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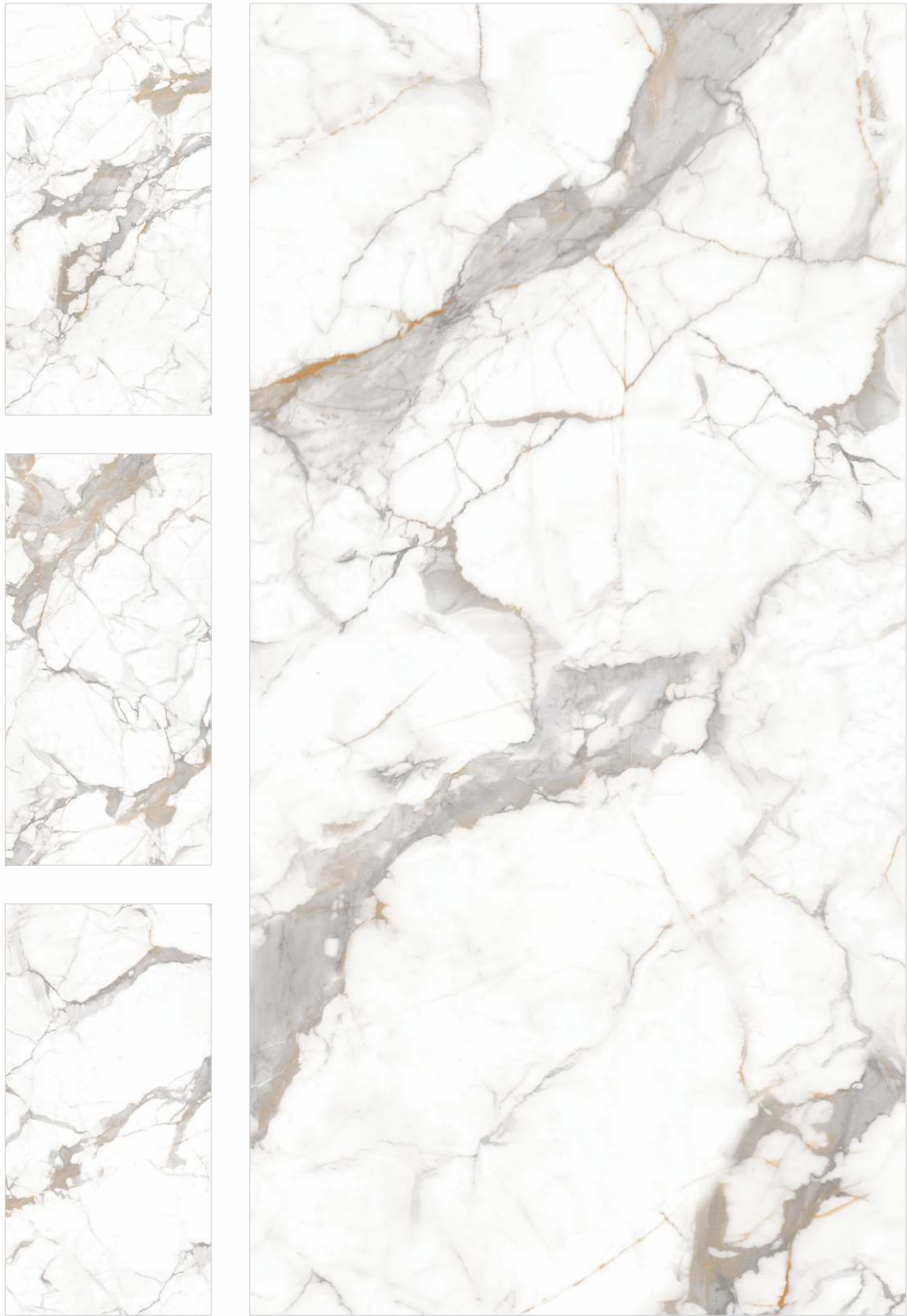
Size - 120x240cm

Surface - Glossy

Thickness - 9mm



STATUARIO EQUITA

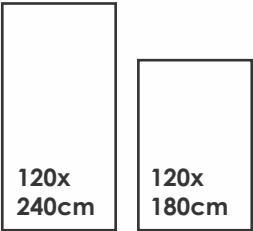


STATUARIO EQUITA

Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 4 Random - 4



GREY SONATA

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Size - 120x180cm
Surface - Glossy
Thickness - 9mm



GREY SONATA

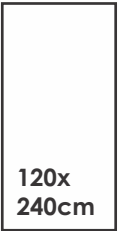


GREY SONATA

Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 4



Random - 4



SOFITA DOVE

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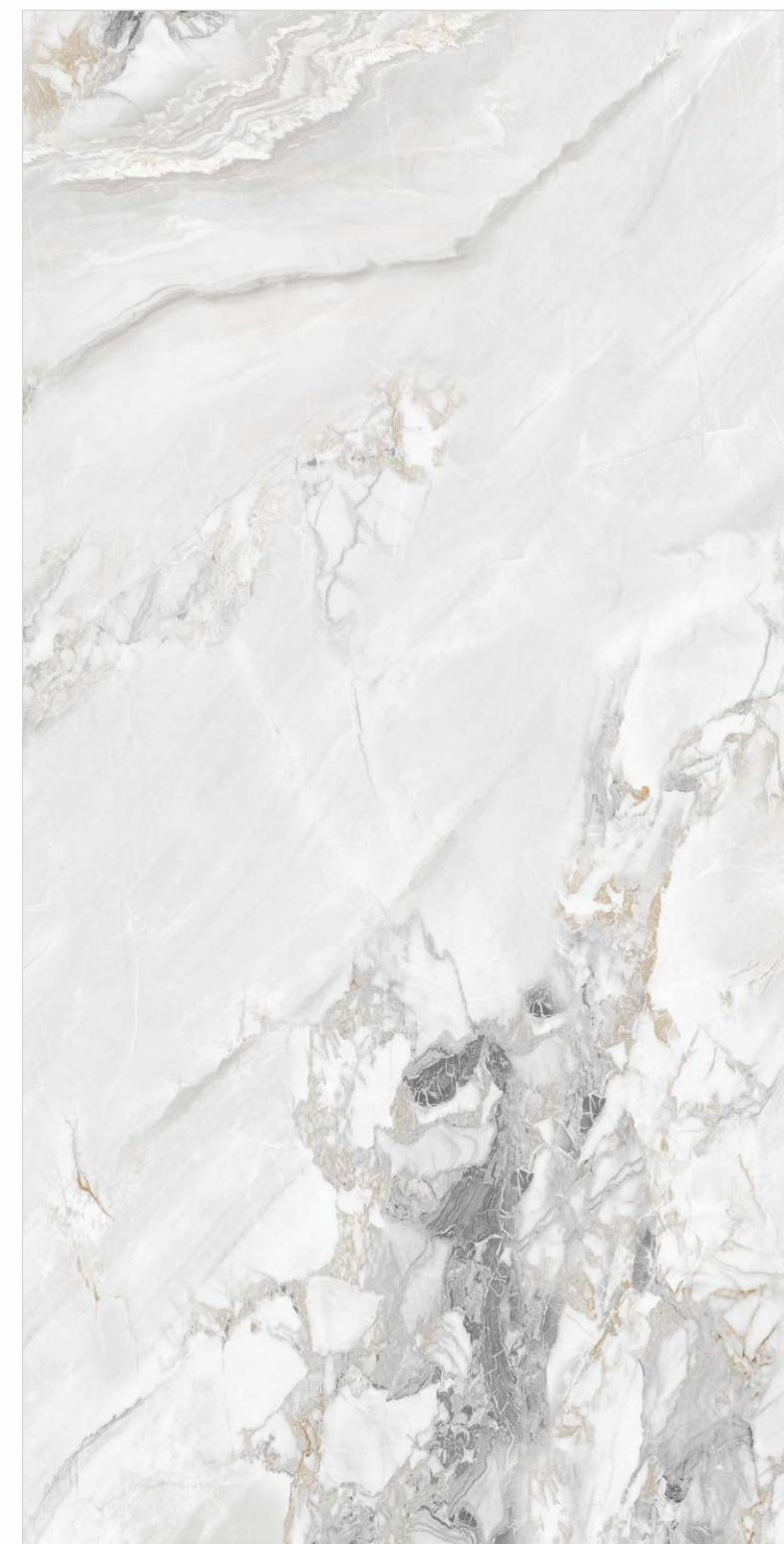
Size - 120x240cm

Surface - Glossy

Thickness - 9mm



SOFITA DOVE



SOFITA DOVE

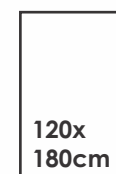
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 4



Random - 4



CALACATTA BEACH

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Size - 120x180cm

Surface - Glossy

Thickness - 9mm



CALACATTA BEACH



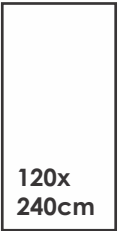
PROZZO SLABS COLLECTION - COLD COLORS

CALACATTA BEACH

Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 3



Random - 3



BIANCO DOVE

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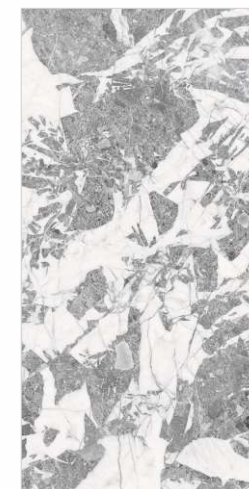
Size - 120x180cm

Surface - Glossy

Thickness - 9mm



BIANCO DOVE



BIANCO DOVE

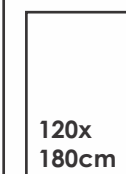
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 2



Random - 2



PALISSANDRO

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



PALISSANDRO



PROZZO SLABS COLLECTION - COLD COLORS

PALISSANDRO

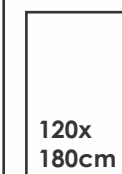
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3



PIETRA SLATE

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Size - 120x180cm

Surface - Glossy

Thickness - 9mm



PIETRA SLATE



PIETRA SLATE

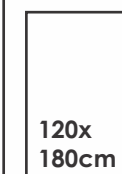
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3



PERLINO DOVE

\\

Size - 120x240cm

Surface - Glossy

Thickness - 9mm



PERLINO DOVE



PERLINO DOVE

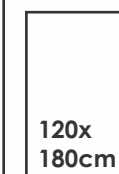
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 4



Random - 4

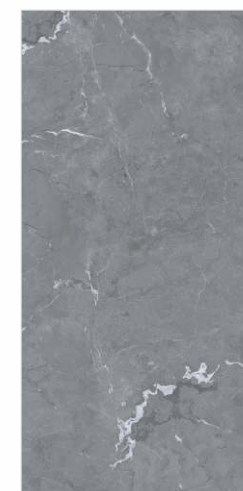


ALICANTE DOVE

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Size - 120x180cm
Surface - Glossy
Thickness - 9mm



ALICANTE DOVE

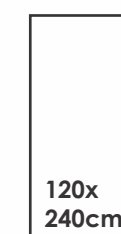


ALICANTE DOVE

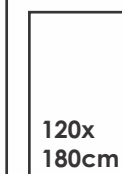
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3



PROZZO

SUN-BEAM

DESIGNS WITH RICH DETAILS

We bring you an exclusive series of designs that can cherish your space with its warmth and create an abode of comfort. This series is the perfect way to give your space a majestic personality.

PROZZO[®] SLABS
COLLECTION

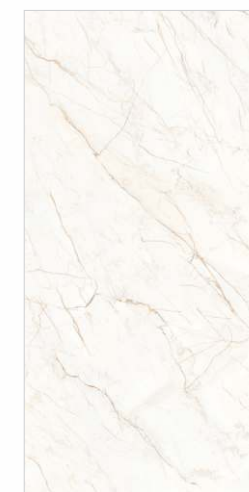


ANTIQUE ORO

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Size - 120x240cm
Surface - Glossy
Thickness - 9mm



ANTIQUE ORO

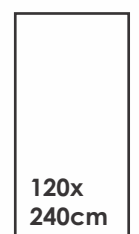


ANTIQUE ORO

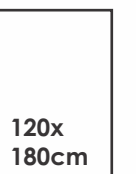
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 4



Random - 4



CLOUD ONYX

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



CLOUD ONYX

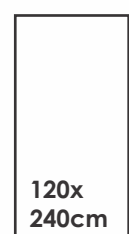


CLOUD ONYX

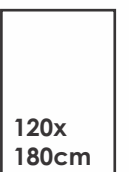
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 2



Random - 2



BROWN BEAUTY

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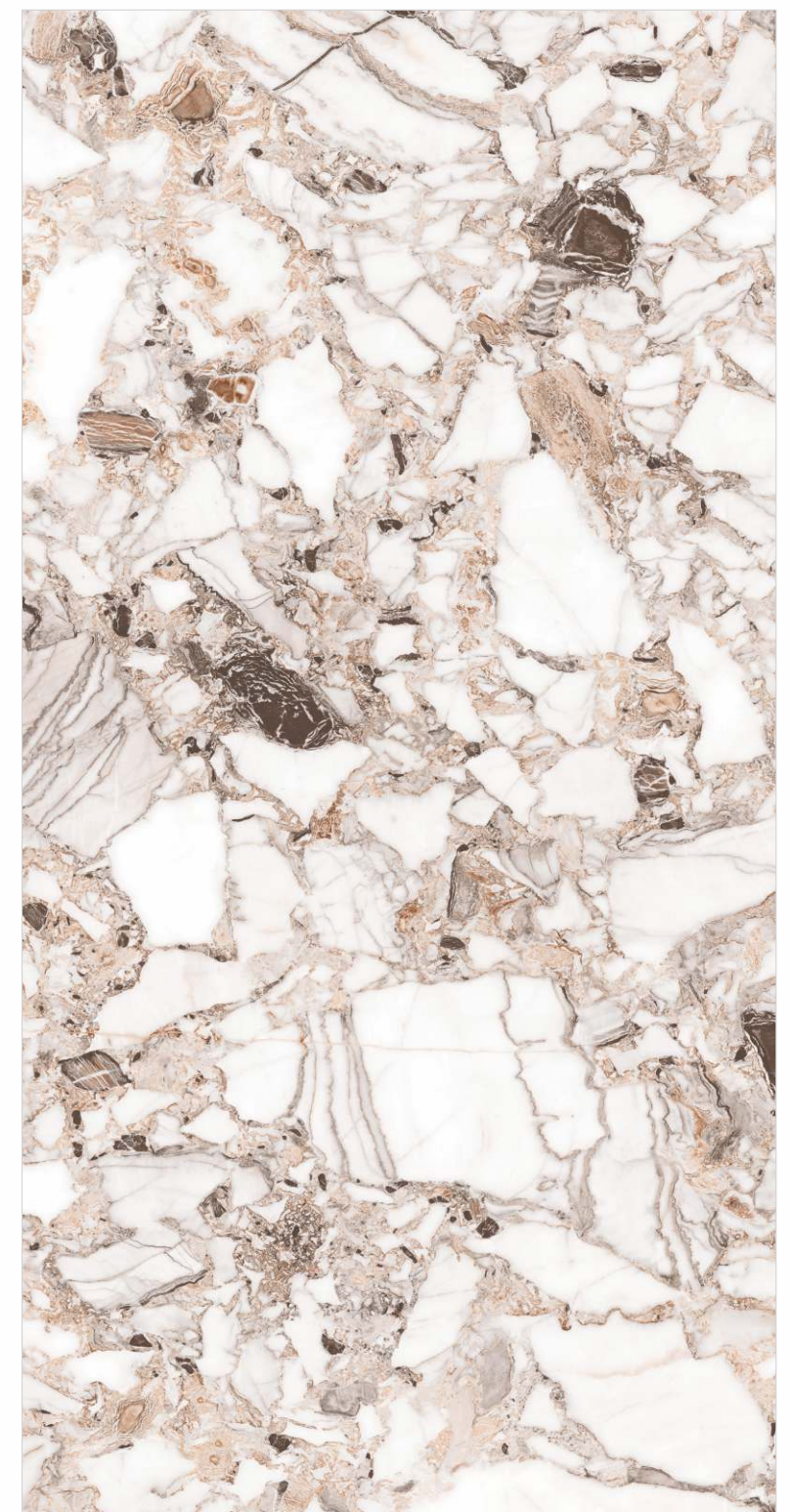
Size - 120x180cm

Surface - Glossy

Thickness - 9mm



BROWN BEAUTY



BROWN BEAUTY

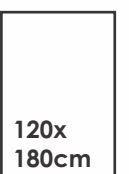
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 4



Random - 4



SOFITA SAND

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



SOFITA SAND

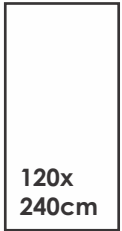


SOFITA SAND

Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 4



Random - 4



BRESCIA RENA

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



BRESCIA RENA



BRESCIA RENA

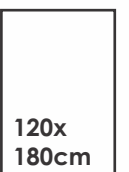
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3



PERLINO BEIGE

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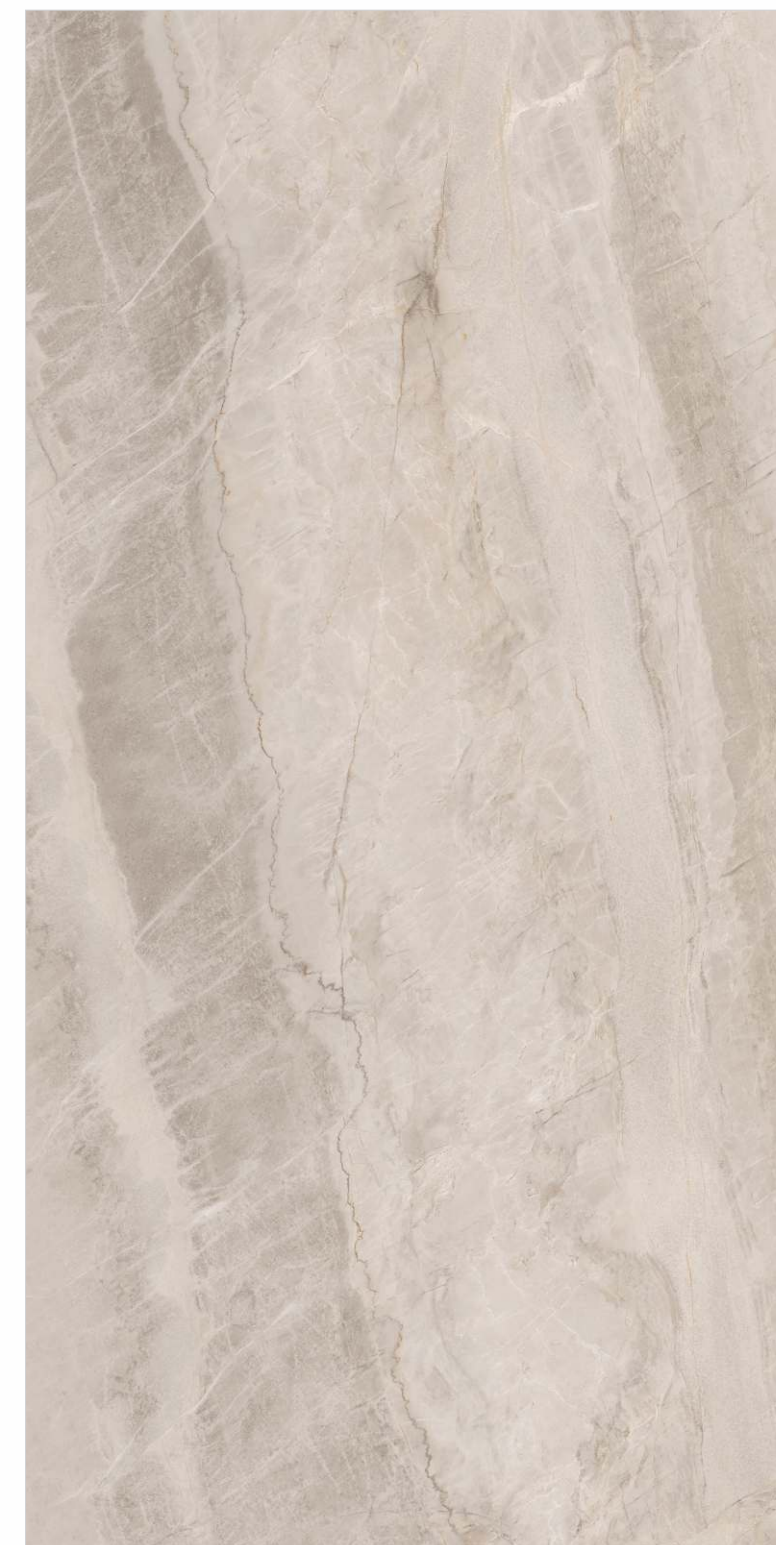
Size - 120x180cm

Surface - Glossy

Thickness - 9mm



PERLINO BEIGE



PERLINO BEIGE

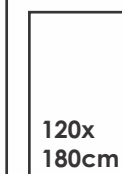
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 4



Random - 4



VICTORIA TOAST

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



VICTORIA TOAST

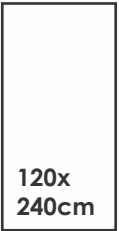


VICTORIA TOAST

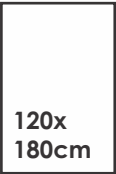
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 2



Random - 2



DYNA CLASSICO

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Size - 120x180cm

Surface - Glossy

Thickness - 9mm



DYNA CLASSICO



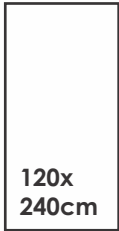
PROZZO SLABS COLLECTION - WARM COLORS

DYNA CLASSICO

Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 3



Random - 3



PIETRA TAN

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



PIETRA TAN

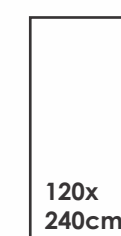


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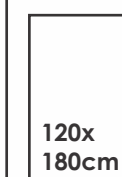
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 3



Random - 3



VOLCAN CREAM

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



VOLCAN CREAM



VOLCAN CREAM

Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED COMPACT SURFACE



Random - 3



Random - 3



ARMANI LUMI

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



ARMANI LUMI

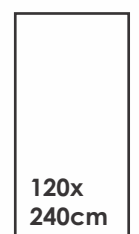


ARMANI LUMI

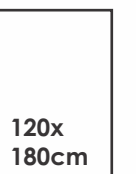
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3



MEDICEA

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Size - 120x240cm

Surface - Glossy

Thickness - 9mm



MEDICEA

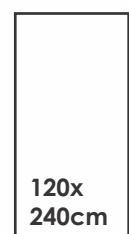


MEDICEA

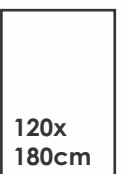
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 4



Random - 4



MARMONTIS

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Size - 120x180cm

Surface - Glossy

Thickness - 9mm



MARMONTIS



MARMONTIS

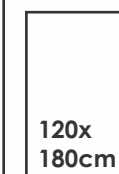
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3



ROTTEN ARMANI

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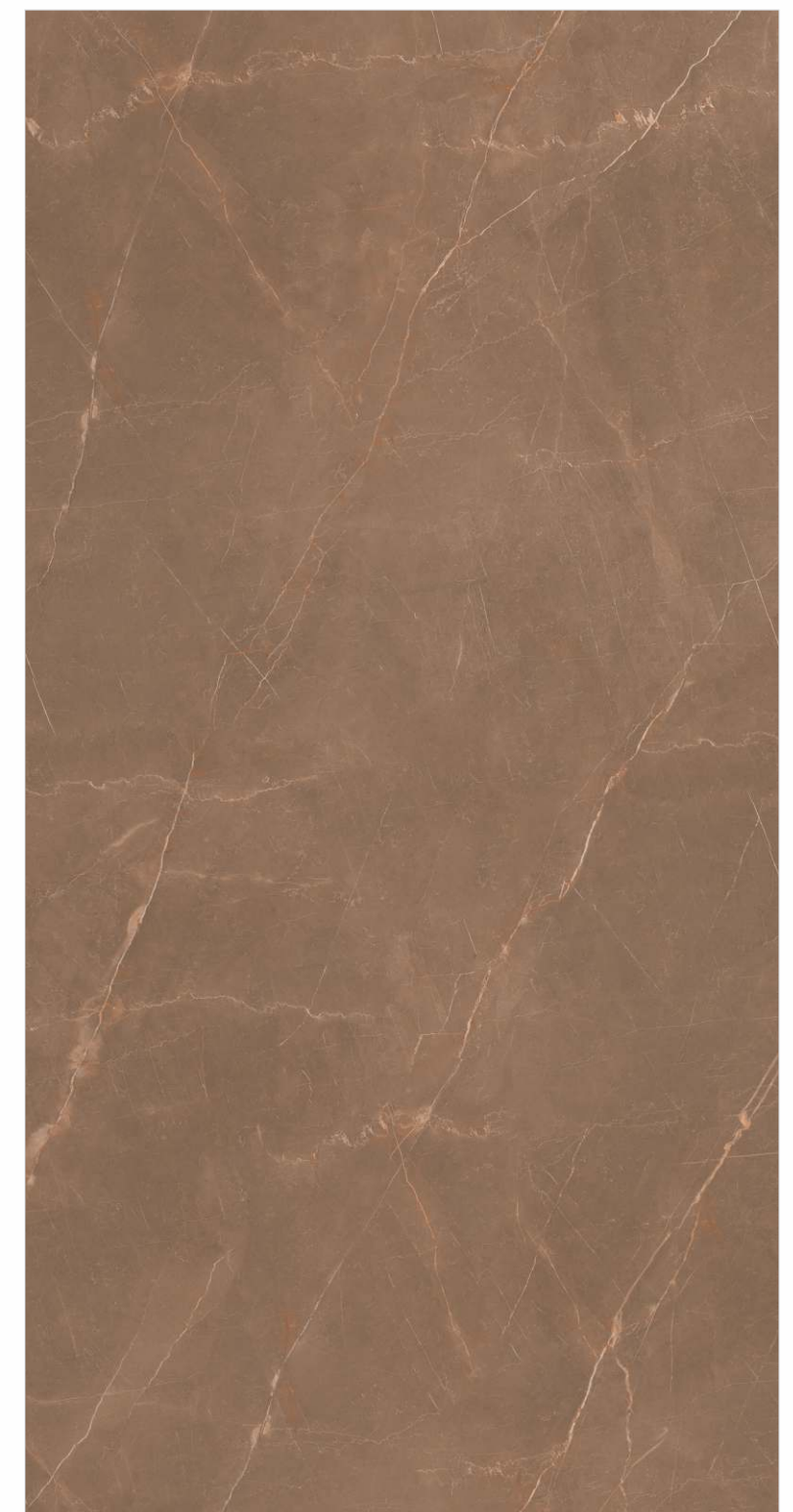
Size - 120x180cm

Surface - Glossy

Thickness - 9mm



ROTTEN ARMANI

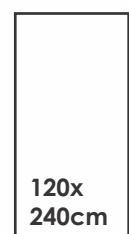


ROTTEN ARMANI

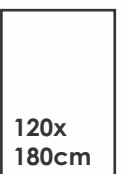
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3



ROSASSO

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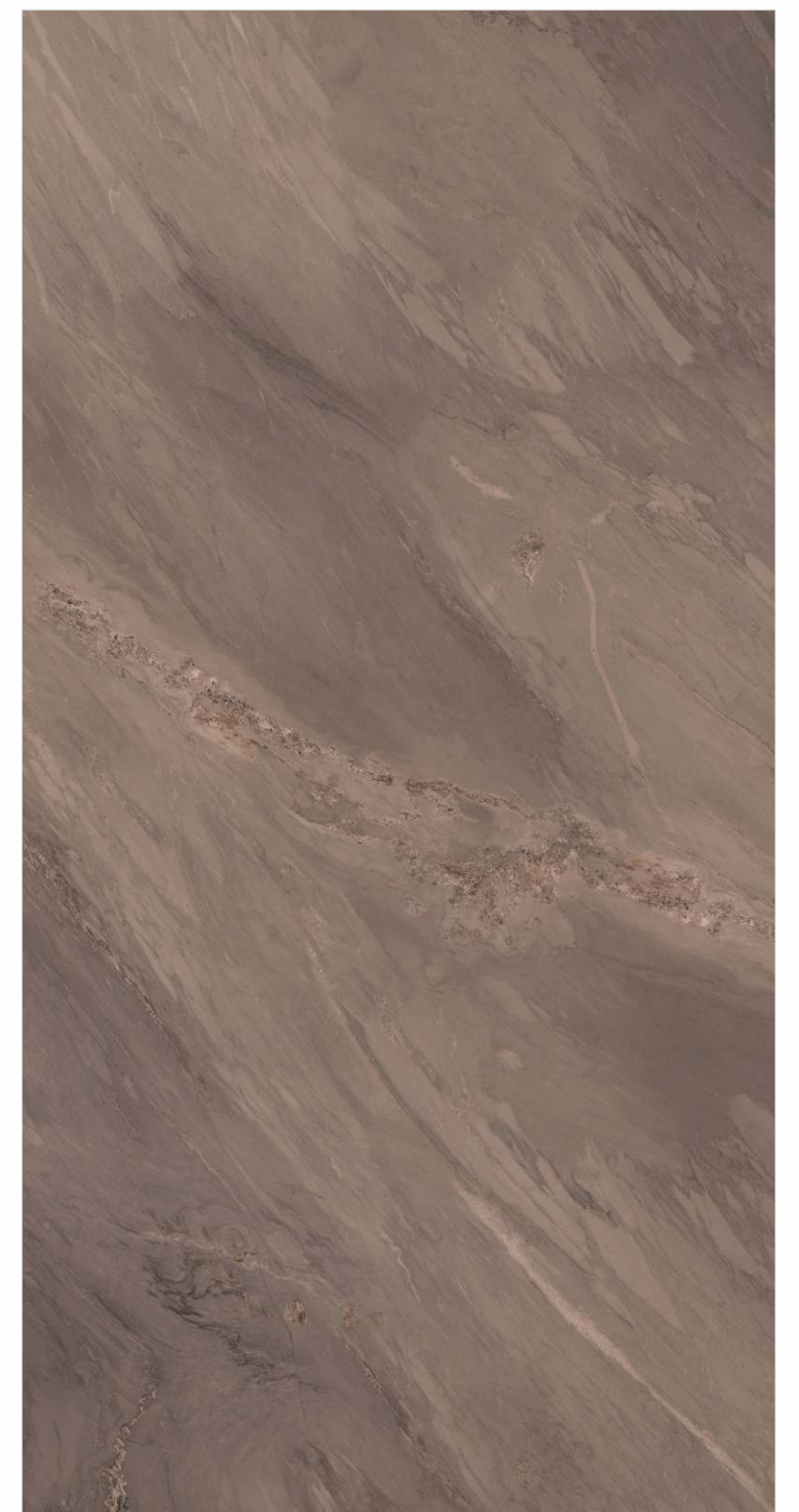
Size - 120x240cm

Surface - Glossy

Thickness - 9mm



ROSASSO

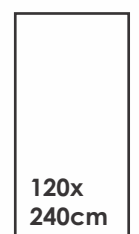


ROSASSO

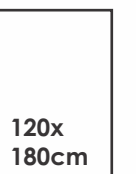
Surface - Glossy

Thickness - 9mm

Technology - **SCS** SINTERED
COMPACT
SURFACE



Random - 3



Random - 3

Recommended Tools

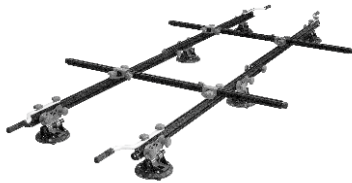
Handling Equipment



Single & Double Suction Cups



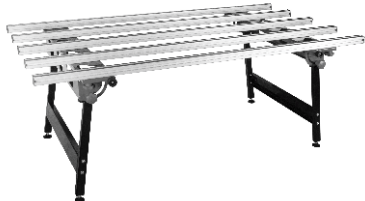
Aluminum Parallel profile with crossbars



Suction Vacuum suction cups with vacuum gauge

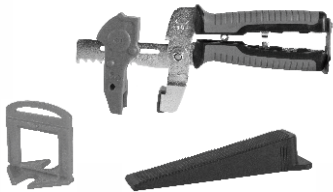


Tile Cart Trolley



Modular Work Bench

Installation & Levelling Equipments



Clips, Wedges & Adjustable pliers for wall and floor covering



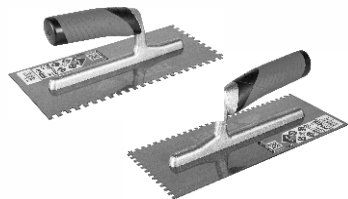
Tile spacers



Electric Cement Low-speed Mixer



Rubber Grout floats



Slant ridge notched trowel



ANTI-SHOCK levels

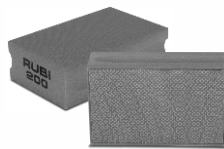
Slab Cutting Equipments



Slab cutter system



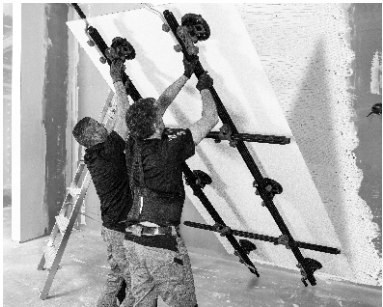
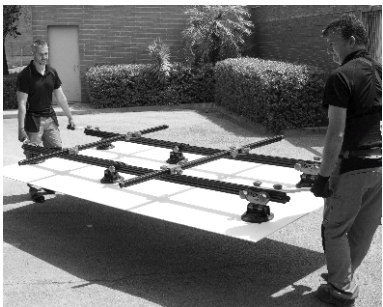
Cutting off pliers for slabs



Diamond polishing pad

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

Handling & Transport System of Simpolo Slabs



Simpolo's extra-large format slabs arrive in oversized crates, which require specific Handling equipment to prevent from damage occurring during forklift operation, specific fork sizes must be used. For example, to handle a crate of 135x305cm Slabs from the side, 112cm/44" long forks are recommended.

To handle the same crate from the narrow end requires forks that are at least 213cm/84" long. Lifting multiple crates with longer forks may require forklifts with a greater lift capacity.

Specialized tools and equipment are currently available for the handling, installation and cutting of large porcelain surfaces. Innovative trowels with unique notch configurations can help increase the consistency of the mortar coverage on the back of the tile.

To increase rigidity and limit twisting, use a system composed of parallel and transverse guides.

For a perfect adhesion clean the slab and the suckers with a damp sponge.

The suckers run along the guides and adhere to the slab. Make sure that a vacuum is created between the device and the surface.

A single guide device can be used for sizes of maximum length.

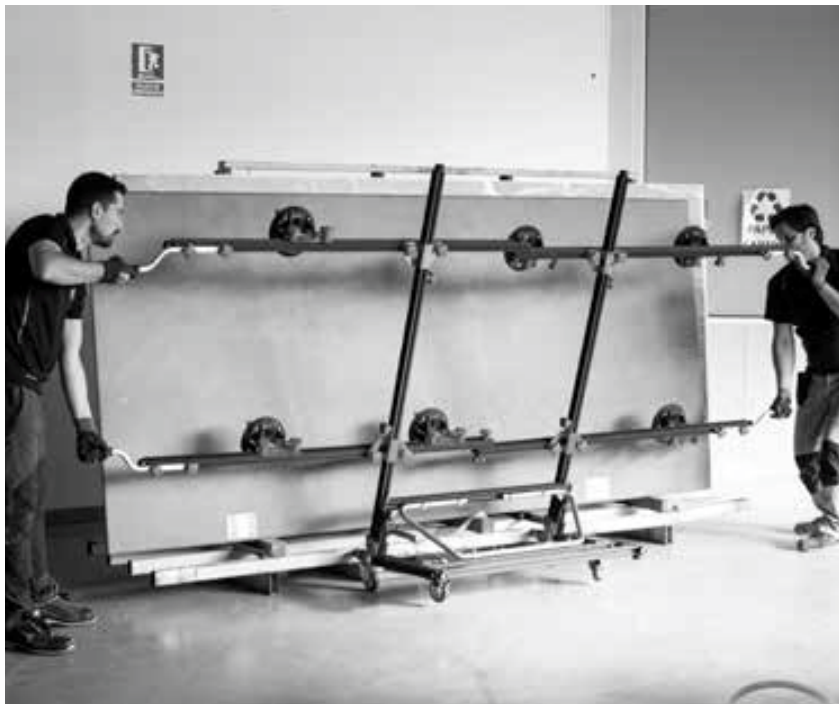
Use four operators at a time to carry out handling operations of large size slabs.

lift the slab along the long side and hang it vertically to the handles of the frame

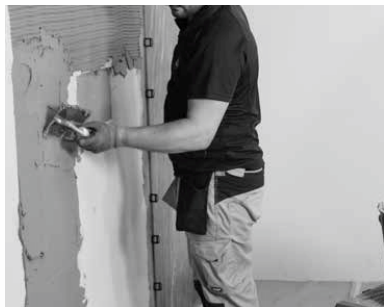
For the large size slab a suitably reinforced trolley is recommended. Set the guides to the trolley for carrying the slab.

Follow the same procedure for handling the 120x240cm and all other sub-sizes, where only two operators are sufficient

Step by step – how to install Simpolo Slab



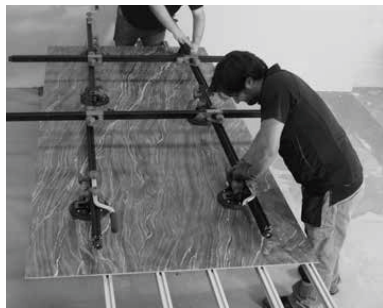
1. TRANSPORT



4. WALL ADHESIVE



5. BACK BUTTERING OF SLAB



2. HANDLING



3. CUTTING



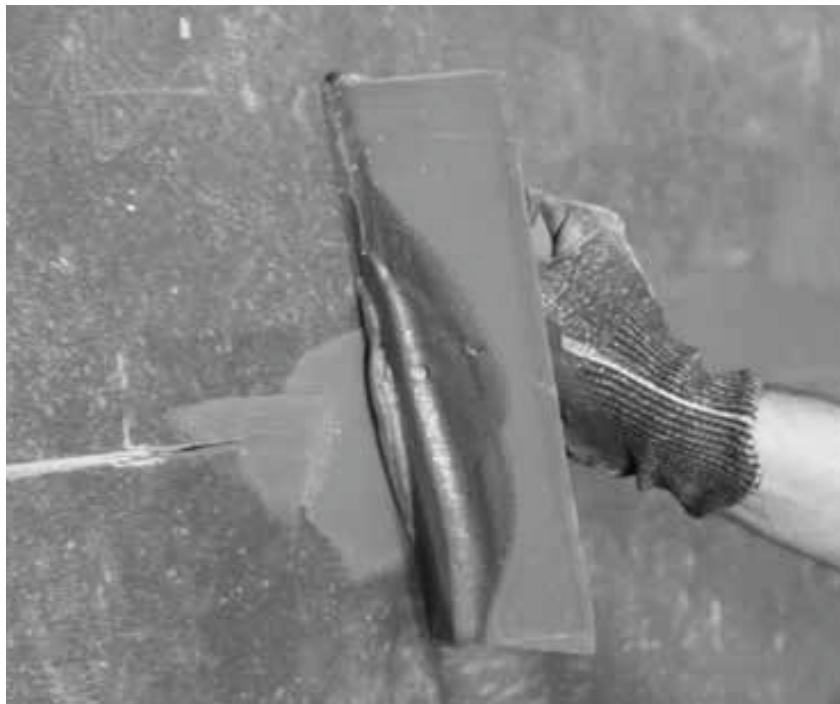
6. SLAB PLACEMENT



7. SLAB LEVELLING



8. SLAB FIXING



9. GROUTING AND FINAL CLEANING

Laying SIMPOLO Slabs requires similar laying conditions to those required for traditional formats. Requires the adhesive to be applied both on the setting bed and on the back of the tile.

SIMPOLO Slabs for flooring require the following conditions:

- A flat surface;
- Clean and free from dust, scraps and any lumps of cement;
- The setting bed must be uniform and have already undergone the drying shrinkage process;
- Repair of any cracks;
- Any uneven parts on the surface must be filled with suitable levelling compounds.

INSTRUMENTS REQUIRED

- Cement-based powder adhesive for full spread
- 3x3mm square toothed trowel and 15mm round toothed trowel;
- Frame with suction cups for handling or double suction cups;
- Non-bounce plastic mallet 170x370mm;
- Levelling system: base clip + wedge + pliers.

BONDING TO THE FLOOR

- 1) Ensure that the surface to be covered is solid, flat and free from dust and oil/grease.
- 2) Use the adhesives described above mixed according to the specifications indicated in the technical data sheet of the chosen adhesive.
- 3) Spread the adhesive onto the surface to be covered with a 15mm round toothed trowel across an area of 5/10 cm more than the dimensions of the Tile.
- 4) With the tile in a vertical position on the handling frame, spread the adhesive onto the back of the slab with a 3x3mm square toothed trowel.
- 5) Using the frame with suction cups, bring the tile into a horizontal position and lay it.
- 6) To guarantee uniform bonding of the slab, the special 170x370mm non-bounce plastic mallet must be used, tapping from the middle towards the edges so as to remove any air pockets between the back of the tile, the adhesive and the surface to be tiled.
- 7) Using the levelling system.

LEVELLING SYSTEM

The levelling system aims to guarantee perfectly levelled floors simply and quickly, eliminating any unevenness between the tiles. The levelling system is strongly recommended for laying SIMPOLO Slabs.

Instruments required

- Base clip;
- Wedge;
- Adjustable pliers for installing floors/wall slabs.

Application of the levelling system

Positioning the base clip:

- a) After spreading the adhesive, insert the base clip below the SIMPOLO Slab on the 4 sides.
- b) Depending on the format of the tile, position one or more supports for each side of the tile.
- c) Position the tile.

Inserting the wedge:

- a) Insert the wedge in the slot of the support, taking care not to exceed the breaking point.
- b) To make inserting the wedge easier, it is recommended to use the adjustable pliers.

Removing the support:

- a) Once the adhesive has dried, the protruding part of the support can be separated from the base clip by tapping with your foot in line with the joint.

GENERAL ADVICE FOR GROUTING

Pay attention while choosing joint sealants: check the technical sheets, choose them shade matched and follow carefully the recommended cleaning times, as many new generation coloured sealants contain pigments and additives that can be very strong. For polished/glossy surfaces do not use epoxy grouts or synthetic based flexible mortars (Flexfughe) and do not add additives/latexes to the grout, as they make the removal of residues with standard detergents very difficult. However, should you decide to use them, it is recommended to make a previous test off site

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. DOMESTIC AREA			
1	GREEN VEGITABLE STAIN	WET COTTON CLOTH	MILD DETERGENT
2	FRUIT STAIN	WET COTTON CLOTH	MILD DETERGENT
3	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	COFFIEE	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 COLOR PENCIL	WET COTTON CLOTH	HOUSEHOLD DETERGENT
17	WAX PENCIL	WET COTTON CLOTH	PAINT REMOVER
18	WATER COLOR	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	LIPSTICS	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	MUSTERED OIL	WET COTTON CLOTH	BAKING SODA/ MILD DETERGENT/ACETONE#/TURPENTINE#
B. HOTEL / FAST FOOD/ CAFÉ 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	CHILLY	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	CHILLY 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	COFFIEE	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER
15	ICE CREAM	WET COTTON CLOTH	MILD DETERGENT/HOUSEHOLD CLEANER
16	CEGARETTE END	WET COTTON CLOTH	HYDROCHLORIC ACID

Sr. No.	SUBSTANCES	NANO TREATED SURFACE	REGULAR SURFACE
C. MISELLANEOUS PLACE			
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	METHELEN BLUE	WET COTTON CLOTH	PHOSPHORIC ACID#/ HYDROCHLORIC ACID
12	IODENE	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	VAERNISH	WET COTTON CLOTH	ACETONE# / TURPENTINE#

* IMMEDIATE CLEANING ACTION IS THE BEST WAY
* CHEMICALS REFERENCE ARE FOR FIRST SUGGESTION FOR ANY DETAILS CONTACT COMPANY PERSONNEL
DO NOT USE THESE CHEMICALS WITHOUT CONSIDERING EXPERT SUGGESTIONS

Note: It is recommended that any kind of stain needs to get clean immediately / as soon as possible.



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 it's 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.

Cleaning & Maintenance

Introduction

All SIMPOLO Slabs are easy to clean and maintain. Regular cleaning highlights the aesthetic features of the Tiles and gives the floor and Wall exceptional shine.

Initial Cleaning

The initial cleaning done immediately after the flooring laid is of essential importance for removing all mortar, adhesives and epoxy residues that may be left in the joints. In this initial phase, we recommend that you use an acid product such or Clenza, in a 1:5 concentration.

Rub energetically to obtain the maximum cleaning. After washing the floor, which is just as important, rinse thoroughly with plenty of water to remove all traces of the detergent used. These steps are recommended for all SIMPOLO collections.

Maintenance & Care

Thanks to the characteristics of the production process (high firing temperature, raw materials of great quality, sinterizing process), the surface of SIMPOLO material is waterproof (the water absorption is minimum). Therefore the dirt cannot penetrate but it is necessary to remove it from the surface. For this procedure do not use detergents containing waxes or waxing products, in order to avoid the forming of greasy layers; for

choosing the most appropriate detergent refer to the following chapters. After the installation of floors, particularly of those made with polished materials, the surfaces should be adequately protected with particle board or other suitable materials in order to protect them from dirt and on-site processing. This prevents damage caused by subsequent processing.

General Recommendations

For commercial and heavily used surface areas such as airports, hospitals, supermarkets, and any public spaces with heavy foot traffic which are thus subject to considerable soiling, it is necessary to use automatic cleaning machines with suction of the washing liquids.

This allows not only deep cleaning, but also the continuous removal of liquids containing substances that cause soiling, thus preventing the formation of films which are very difficult to remove. Any detergent on the market can be used in the desired concentration

Posh/Matt Slabs

For these Tiles, after completing the steps described in the section "Initial Cleaning", you only need to clean the floor with hot water containing small quantities of an alkaline detergent such as Red Harpic & Clenza in a concentration 1:200. On these types of surface it is not

advisable to apply a waterproofing product: the absence of porosity causes the waterproofing agent to deposit on the surface in an uneven way and to have unpleasant aesthetic effects.

Technical Specification



CHARACTERISTIC	STANDARD AS PER ISO13006:2018/ EN14411 Gr.Bla	STANDARD AS PER IS15622:2017 Gr.Bla	MEAN VALUE OF SIMPOLO	TEST METHOD
Regulatory Properties				
Deviation in length and width	± 0.30 % (±1.00mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Deviation in thickness	± 5.00 % (±0.50mm)	± 5.00 %	± 4.00 %	ISO 10545-2 & IS 13630-1
Straightness in side	± 0.30 % (±0.80mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Rectangularity	± 0.30 % (±1.50mm)	± 0.10%	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface flatness central curvature	± 0.40 % (±1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface flatness edge curvature	± 0.40 % (±1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface flatness warpage	± 0.40 % (±1.80mm)	± 0.50 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface quality	> 95% defects free	> 95% defects free	> 95% defects free	ISO 10545-2 & IS 13630-1
Small color difference	ΔE < 0.75	N.A.	ΔE < 0.30	ISO 10545-16
Glossiness (with nano polished)	as per mfg.	as per mfg.	> 90	Glossmeter 60°
Glossiness (without polished)	as per mfg.	as per mfg.	3 < GLOSS < 7	Glossmeter 60°
Glossiness (satin)	as per mfg.	as per mfg.	7 < GLOSS < 18	Glossmeter 60°
Structural Properties				
Water absorption	≤ 0.50 %	≤ 0.080 %	≤ 0.060 %	ISO 10545-3 & IS 13630-2
Bulk density	as per mfg.	Min. 2.20 g/cc	> 2.28 gm/cc	ISO 10545-3 & IS 13630-2
Massive Mechanical Properties				
Modulus of rupture	Min. 35 N/mm²	Min. 35 N/mm²	Min. 40 N/mm²	ISO 10545-4 & IS 13630-6
Breaking strength thickness <7.5	Min. 700.0 N	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4 & IS 13630-6
Breaking strength thickness ≥7.5	Min. 1300.0 N	Min. 1100.0 N	Min. 1800.0 N	ISO 10545-4 & IS 13630-6
Surface Mechanical Properties				
MOH'S hardness #	as per mfg.	Min. 5	PGVT - Min. 4 / GVT - Min. 6	EN 101 & IS 13630-13
Surface abrasion resistance-Glossy #	as per mfg.	Min. Class II	Min. Class 2 / Min. Class II	ISO 10545-7 & IS 13630-11
Surface abrasion resistance-Matt #	as per mfg.	Min. Class II	Min. Class 4 / Min. Class IV	ISO 10545-7 & IS 13630-11
Thermal Hydrometric Properties				
Moisture expansion	Max. 0.06% (0.6mm/m)	Max. 0.02mm/m	Max. 0.02mm/m	ISO 10545-10 & IS 13630-3
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 x 10 ⁻⁶	Max. 6.0 x 10 ⁻⁶	ISO 10545-8 & IS 13630-4
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9 & IS 13630-5
Crazing resistance at 7.5 Bar	as per mfg.	Min. 4 Cycle	Min. 6 Cycle	ISO 10545-11 & IS 13630-9
Impact resistance(COR)	Min. 0.55	Min. 0.55	Min. 0.55	ISO 10545-5 & IS 13630-14
Frost resistance	as per mfg.	as per mfg.	Frost Proof	ISO 10545-12 & IS 13630-10
Chemical Properties				
Resistance to staining glazed	Min. Class 3	Min. Class I	Min. Class 4/Min. Class I	ISO 10545-14 & IS 13630-8
Resistance to household chemicals & swimming pool salts glazed	Min. Class GB	Min. Class AA	Min. Class GA/Min. Class AA	ISO 10545-13 & IS 13630-8
Resistance to low concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class GLB***/Min. Class A***	ISO 10545-13 & IS 13630-8
Resistance to high concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class GHB***/Min. Class A***	ISO 10545-13 & IS 13630-8
Safety Properties				
Skid resistance(DCOF-DRY)	as per mfg.	as per mfg.	Polished ≥P0 Satin/Matt ≥P2	-
Slip resistance(DCOF)(R value)##	as per mfg.	as per mfg.	R9 to R13	DIN 51130
Determination of lead & cadmium release for glazed tiles	as per mfg.	N.A.	Dose not yield Pb & Cd	ISO 10545-15
Fire resistance	as per mfg.	as per mfg.	Fire Proof	N.A.

Parameters are applicable for 1st Choice/Premium Grade Materials Only.
* For Matt & Satin Finished
** With nano technology (Polished Vitrified tiles) Depending on Application area (low or high intensity of traffic)
*** Except Hydrofluoric Acid & it's compound
Glaze tiles Intended for use on floor
As per customer requirement

Packing Details

PRODUCT	SIZE	ACTULE SIZE	SIZE IN INCH	THICKNESS	TILES / BOX	COVERAGE AREA / BOX	
PROZZO SLAB	120x240cm	1200x2400mm	48x96in	9mm	1pc	31.00 Sq ft	2.88 Sq m
	120x180cm	1200x1800mm	48x71in	9mm	2pc	46.50 Sq ft	4.32 Sq m