



ALVARO  
COLLECTION



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1<sup>st</sup> February, 2025

AGL

ALVARO  
COLLECTION

A NEW  
**DIMENSION OF  
LUXURY LIVING.**

Inspired by the courageous spirit of the warrior, the Alvaro collection embodies strength, resilience, and a touch of modern elegance. This popular 600x1200mm format is versatile enough to elevate any space, from sleek residential interiors to bustling commercial establishments. Crafted with cutting-edge technology, the Sicura surface sets a new standard for safety and durability. The Alvaro collection, a combination of strength, innovation, and enduring style, is a truly remarkable addition to any environment.

Size:  
**600x1200mm**

No. of  
Designs  
**20**

No. of  
Shades  
**76**

No. of  
Textures  
**04**

No. of  
Sku's  
**152**

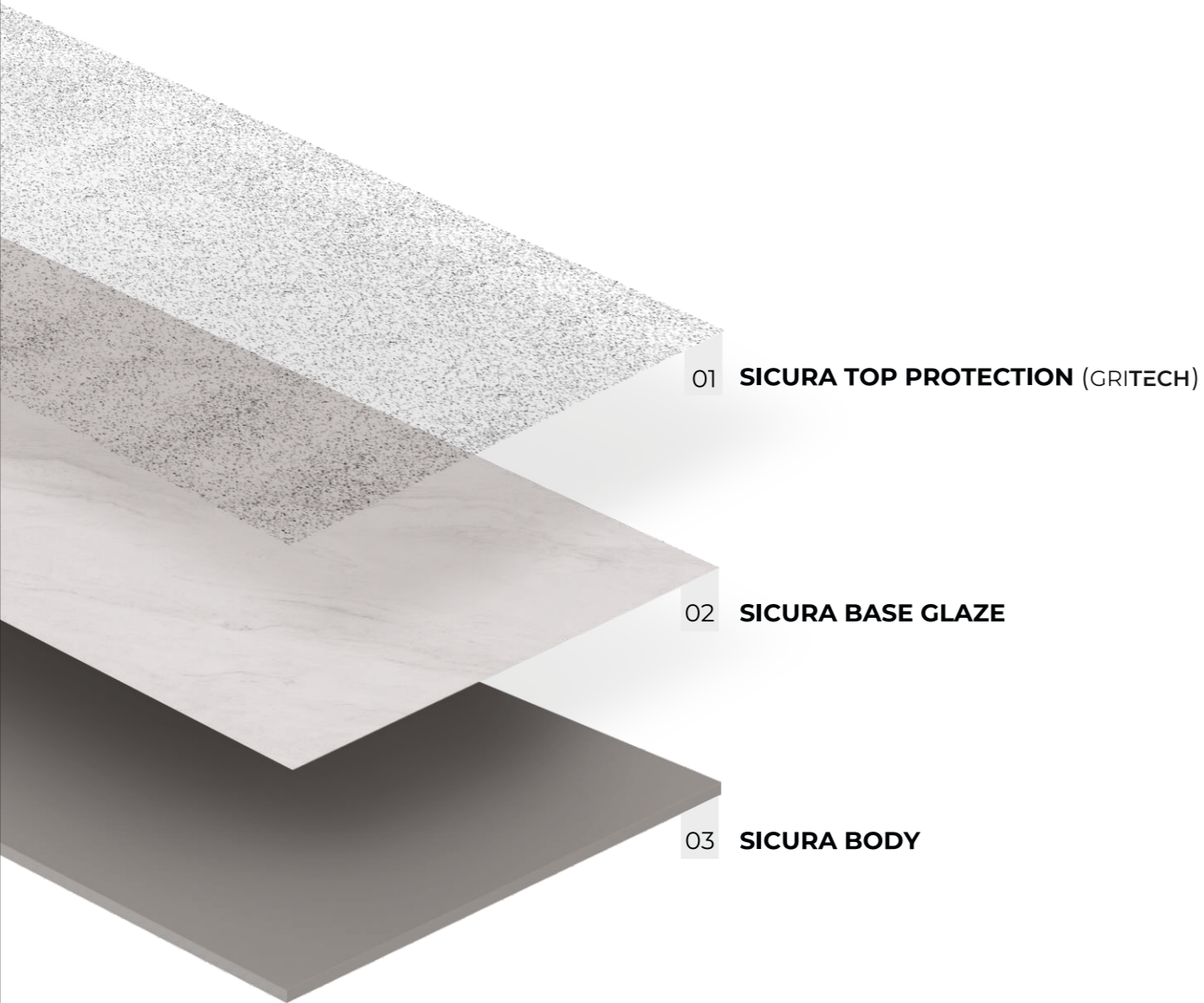


## SURFACE INTRODUCTION

# SICURA

SURFACE

The Sicura surface sets a new standard for safety and durability. Its advanced properties offer exceptional slip resistance, ensuring peace of mind in wet or moderate-traffic areas. The protective layers safeguard the tile's beauty, making it resistant to scratches, stains, and everyday wear and tear.

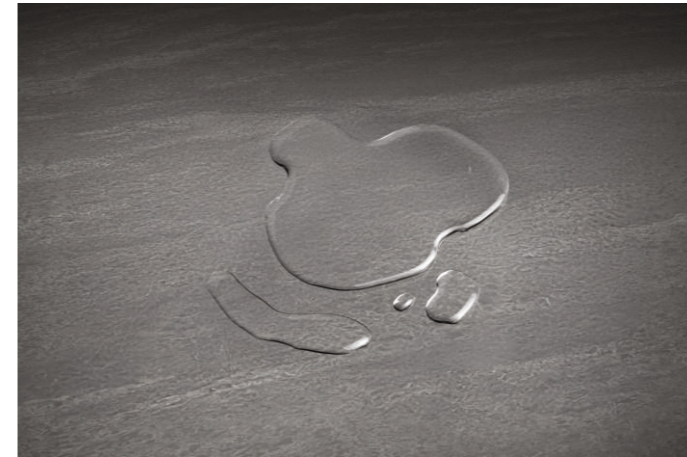


- The top layer of the surface is scratch-resistant, has zero reflection & has a hardness rating of 8 on the Mohs scale.
- The glaze of the surface lends it unparalleled aesthetics for versatile choice for various applications.
- The tile body is made extremely durable with the finest raw materials & diligent processes involved in making.

## TECHNOLOGY INTRODUCTION

# GRITECH

Grittech is An advanced Micro Grits Technology used in developing the SICURA surface, setting new standards for matt surfaces. This innovative technology ensures a True Matt Finish with exceptional clarity and depth, while delivering ultra durability and scratch resistance. The precision of Grittech enhances the surface's performance, making it ideal for both aesthetic appeal and long-lasting strength.



### WATER RESISTANT

It prevents the absorption of liquids and the accumulation of odours thanks to its low porosity.

### SCRATCH AND IMPACT RESISTANT

High tolerance to energy from impacts and cutting tools used on the surface.



### HYGIENIC

Low emission of volatile organic compounds, allowing direct contact with foodstuffs.



### UV RESISTANT

Unalterable by ultraviolet rays, it remains stable against wear and tear due to strong illumination.



### EASY TO CLEAN

The use of specific products is unnecessary thanks to the zero-effort care of the material.

### ABRASION RESISTANT

High durability and good resistance to wear and tear and scratches from daily use.



### FROST RESISTANT

Stable to sudden temperature changes, it withstands extreme cold conditions.



### STAIN PROTECTION

Hydro and oil repellent antibacterial waterproofing that improves resistance against humidity chemical agents and stains.

### FIRE RESISTANT

Fireproof and non-combustible, it maintains its aspect and performance when exposed to high temperatures.





## APPLICATION AREAS



Residential  
(Living Room, Bedroom, Kitchen)



Indoor Area



Commercial Spaces



Bathroom



Mall Flooring



Offices



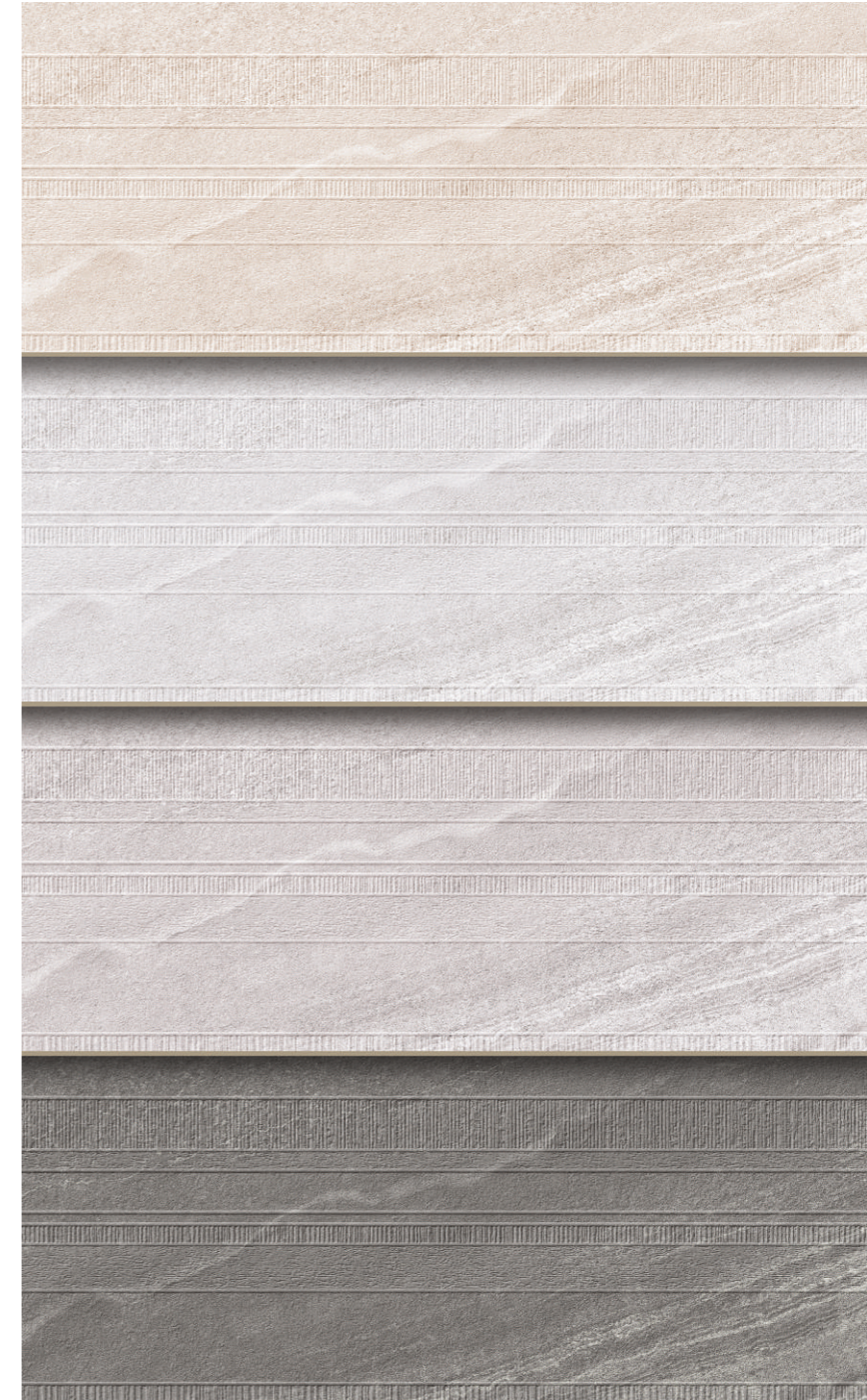
Balcony



School & University



Carven Texture



Blanc

Silver

Cloud

Concord

# Basalte Series

The Basalte Series is inspired by the timeless elegance of basalt stone. It features four stunning color variations, including three cool shades and a warm accent, offering a sophisticated and versatile palette. Experience the beauty and durability of the Basalte Series.





Random-04



Basalte Blanc  
 Carven Texture



Basalte Silver  
 Carven Texture



Basalte Cloud  
 Carven Texture



Basalte Concord  
 Carven Texture

Random-04



Basalte Blanc



Scan For  
 360° View



Basalte Silver



Scan For  
 360° View



Basalte Cloud



Scan For  
 360° View



Basalte Concord



Scan For  
 360° View



Carven Texture



Ash

Oak

Chest

Pine

# Forest Series

Forest is a collection inspired by the beauty of natural wood. Featuring four distinct shades: Ash, Oak, Chestnut, and Pine, this series brings the tranquility of the outdoors inside. Forest blends seamlessly with any décor style, creating a cozy and inviting atmosphere that mimics the comforting embrace of nature.





Random-04



Forest Ash  
 Carven Texture



Forest Oak  
 Carven Texture



Forest Chest  
 Carven Texture

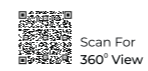


Forest Pine  
 Carven Texture

Random-04



Forest Ash



Scan For  
 360° View



Forest Oak



Scan For  
 360° View



Forest Chest



Scan For  
 360° View



Forest Pine



Scan For  
 360° View



Carven Texture



Verde

Pearl

Beige

Barley

# Terrafoss Series

Terrafoss is a captivating fusion of two precious stones: terracotta and fossil. This unique material seamlessly blends the warm, earthy shades of terracotta with the distinctive textures and character of fossilized elements. The result is a stunning surface that exudes natural beauty and elegance.





Random-04



Terrafoss Verde  
Carven Texture



Terrafoss Pearl  
Carven Texture



Terrafoss Beige  
Carven Texture

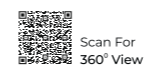


Terrafoss Barley  
Carven Texture

Random-04



Terrafoss Verde



Scan For  
360° View



Terrafoss Pearl



Scan For  
360° View



Terrafoss Beige



Scan For  
360° View



Terrafoss Barley



Scan For  
360° View



Carven Texture



Pine

Bone

Graphite

Henna

# Coterro Series

Coterro series inspired by the natural beauty of terracotta. It draws inspiration from the earthy color palette and unique textures of traditional cotta stone, offering a contemporary interpretation of this timeless material. Coterro seamlessly blends modern aesthetics with natural warmth.





Random-04



Coterro Pine  
Carven Texture



Coterro Bone  
Carven Texture



Coterro Graphite  
Carven Texture



Coterro Henna  
Carven Texture

Random-04



Coterro Pine



Scan For  
360° View



Coterro Bone



Scan For  
360° View



Coterro Graphite



Scan For  
360° View



Coterro Henna



Scan For  
360° View



Carven Texture



Sand

Coco

Slate

Silver

Dineo  
 Series

Dineo series inspired by the classic elegance of dyna marble. A versatile palette of four stunning colors, featuring two warm and two cool shades to suit a variety of design themes. Whether you're aiming for a timeless or contemporary look, Dineo provides a balance of sophistication and versatility.

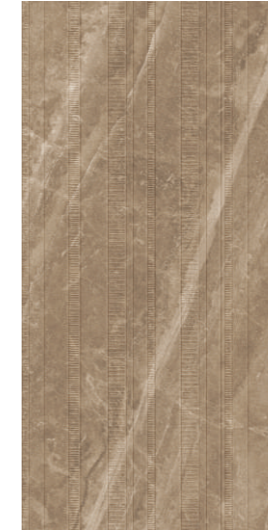




Random-04



Dineo Sand  
Carven Texture



Dineo Coco  
Carven Texture



Dineo Slate  
Carven Texture

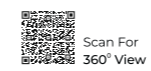


Dineo Silver  
Carven Texture

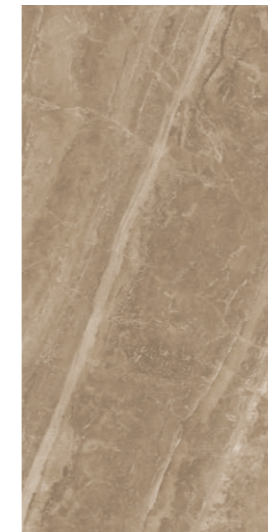
Random-04



Dineo Sand



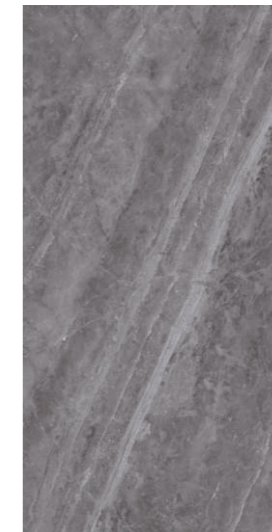
Scan For  
360° View



Dineo Coco



Scan For  
360° View



Dineo Slate



Scan For  
360° View



Dineo Silver



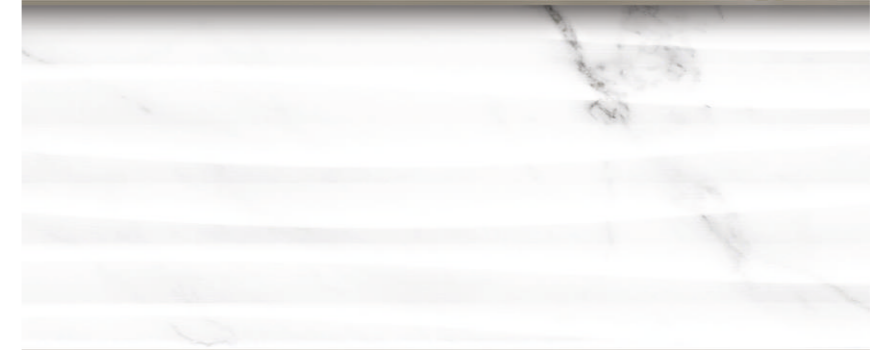
Scan For  
360° View



Wavy Texture



Fern



Silk



# Calcutta Series

The Calcutta Series offers a blend of natural inspiration with two distinctive varieties. The Fern variety evokes the delicate beauty of foliage, while the Silk variety captures the bright and vibrant character of this precious stone. It brings the elegance of nature indoors, offering a range of design possibilities for any space.

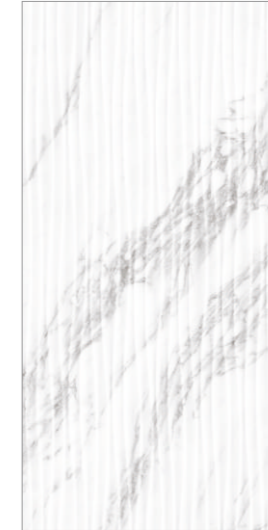




Random-06



Calcutta Fern  
Wavy Texture

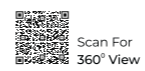


Calcutta Silk  
Wavy Texture

Random-06



Calcutta Fern



Scan For  
360° View



Calcutta Silk



Scan For  
360° View



Wavy Texture



Pearl

Beige

Cream

Soya

# Traven Series

Traven series inspired by the elegant beauty of travertine marble. This series features four exquisite shades: Pearl, Beige, Cream, and Soya, offering a warm palette to suit various design styles. Traven brings the natural elegance of travertine indoors, adding a touch of warmth to any space.





Random-08



Traven Pearl  
 Wavy Texture



Traven Beige  
 Wavy Texture



Traven Cream  
 Wavy Texture



Traven Soya  
 Wavy Texture

Random-08



Traven Pearl



Scan For  
 360° View



Traven Beige



Scan For  
 360° View



Traven Cream



Scan For  
 360° View



Traven Soya



Scan For  
 360° View



Wavy Texture



Oyster

Trunk

Silver

Gris

# Torrent Series

Torrent series inspired by the dynamic energy of thunder waves, artistically rendered on a stunning stone design. Oyster, Trunk, Silver, and Gris are shades evoking the power and beauty of a stormy sky, adding a dramatic and contemporary touch, making it a statement piece for discerning homeowners and designers.





Random-04



Torrent Oyster  
Wavy Texture



Torrent Trunk  
Wavy Texture



Torrent Silver  
Wavy Texture

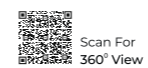


Torrent Gris  
Wavy Texture

Random-04



Torrent Oyster



Scan For  
360° View



Torrent Trunk



Scan For  
360° View



Torrent Silver



Scan For  
360° View



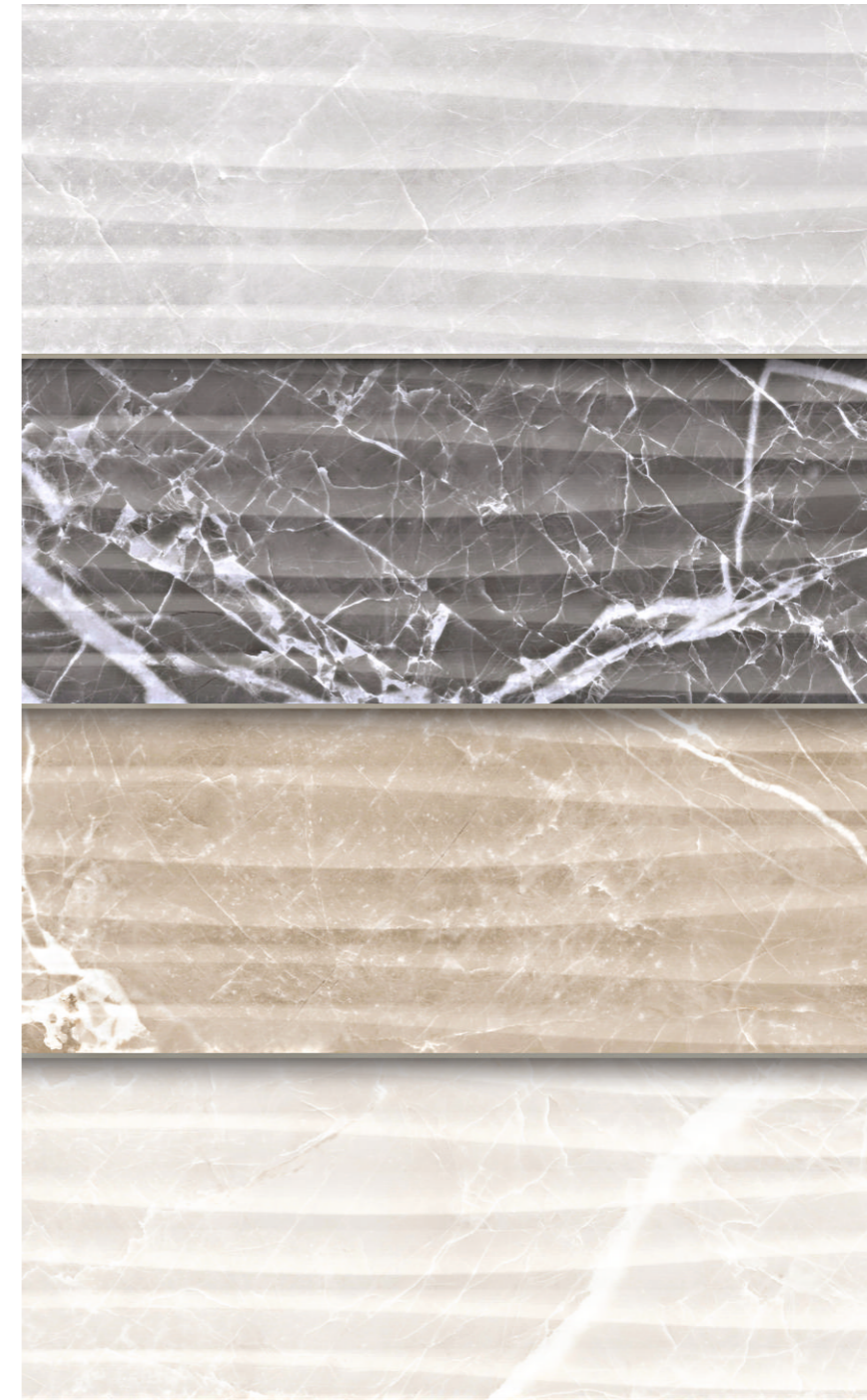
Torrent Gris



Scan For  
360° View



Wavy Texture



Dove

Grey

Tan

Crema

# Lapis Series

Lapis series inspired by the luxurious beauty of precious gemstones. A diverse palette of colors, including cool, warm, and neutral shades, evoking the depth and brilliance of natural stones. Making it a superior choice for discerning architects and designers.

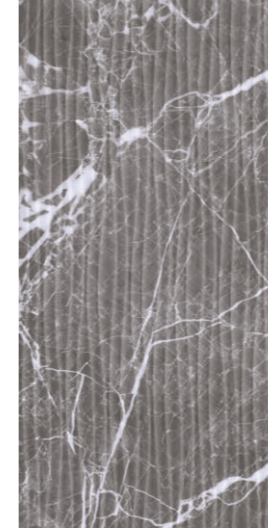




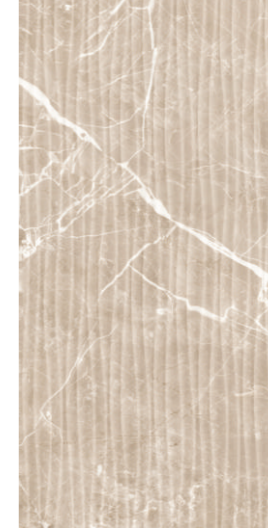
Random-06



Lapis Dove  
 Wavy Texture



Lapis Grey  
 Wavy Texture



Lapis Tan  
 Wavy Texture



Lapis Crema  
 Wavy Texture

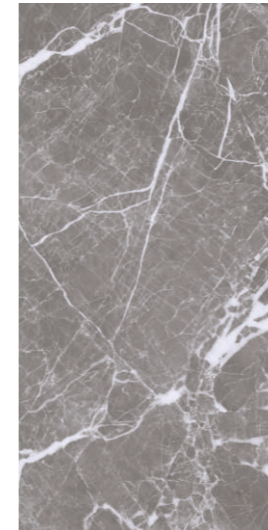
Random-06



Lapis Dove



Scan For  
 360° View



Lapis Grey



Scan For  
 360° View



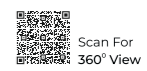
Lapis Tan



Scan For  
 360° View



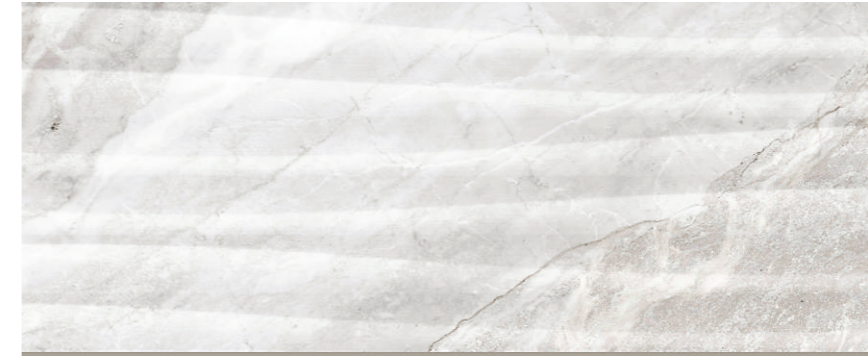
Lapis Crema



Scan For  
 360° View



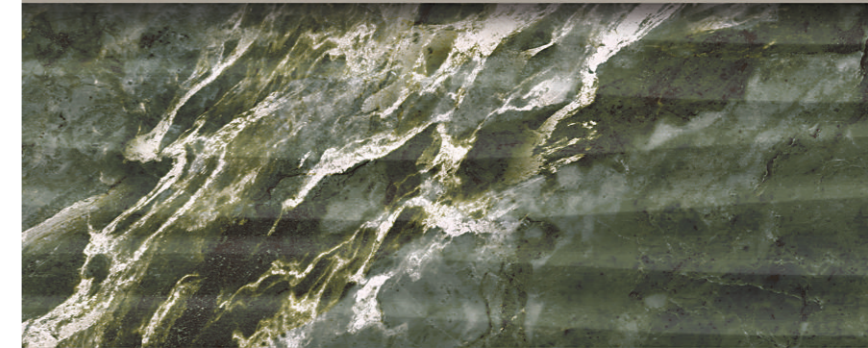
Wavy Texture



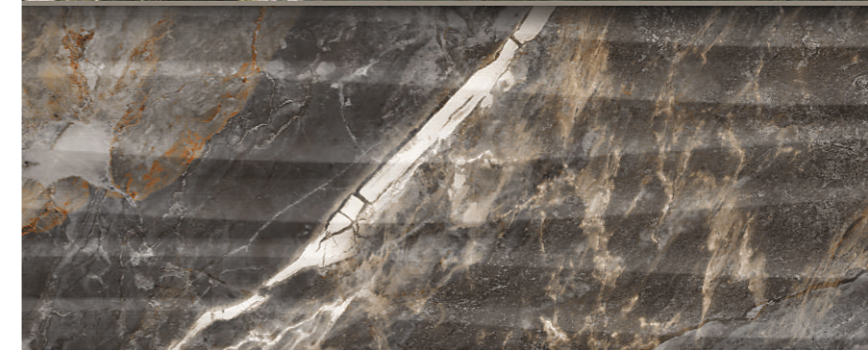
Snow



Smoke



Teal



Grigio

# Deorite Series

Deorite design is inspired by the majestic beauty of igneous rock formed deep within the Earth. This series showcases a range of intriguing shades, including Snow, Smoke, Teal, and Grigio, each offering a unique visual impact. The distinctive shades of Deorite are sure to captivate architects and designers, making it a standout choice for creating exceptional spaces.





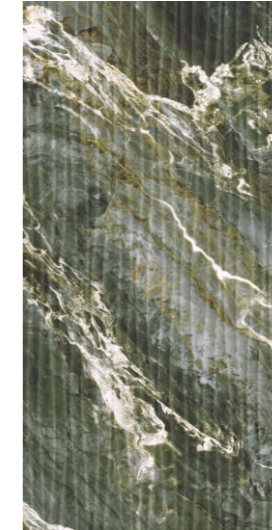
Random-04



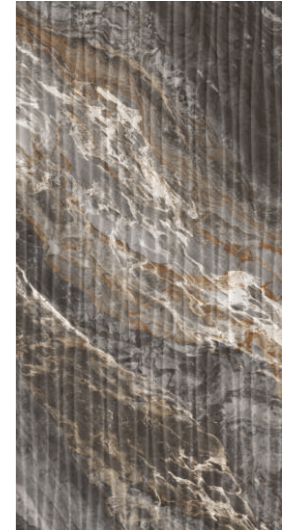
Deorite Snow  
 Wavy Texture



Deorite Smoke  
 Wavy Texture



Deorite Teal  
 Wavy Texture



Deorite Grigio  
 Wavy Texture

Random-04



Deorite Snow



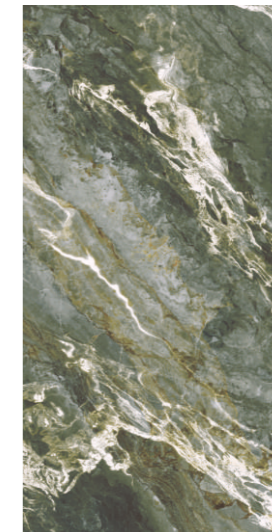
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 360° View



Deorite Smoke



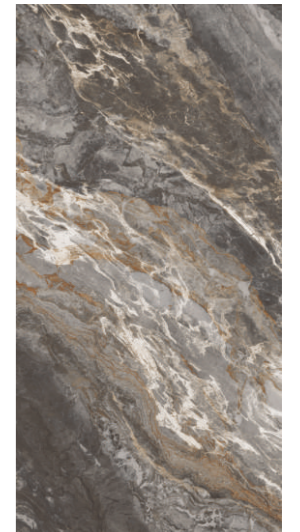
Scan For  
 360° View



Deorite Teal



Scan For  
 360° View



Deorite Grigio



Scan For  
 360° View



Roof Texture



Bianco

Dove

Pearl

Ash

# Silicate Series

Silicate series inspired by the very foundation of our planet, drawing inspiration from the silicate minerals that form the Earth's crust and mantle. This series features a range of natural shades: Bianco, Dove, Pearl, and Ash, allowing us to create spaces that reflect the beauty and tranquility of the Earth.





Random-04



Silicate Bianco  
Roof Texture



Silicate Dove  
Roof Texture

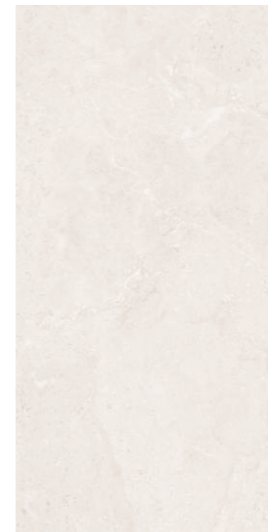


Silicate Pearl  
Roof Texture



Silicate Ash  
Roof Texture

Random-04



Silicate Bianco



Scan For  
360° View



Silicate Dove



Scan For  
360° View



Silicate Pearl



Scan For  
360° View



Silicate Ash



Scan For  
360° View



Roof Texture



Ivory

Mud

Pearl

Beige

## Bone Series

Bone series inspired by the unique texture and appearance of natural bone. A range of intriguing colors, including Ivory, Mud, Beige, and Pearl, allowing us to play with depth and create stunning visual effects. It adds a touch of organic elegance, making it an ideal choice for those seeking a distinctive and sophisticated aesthetic.





Random-04



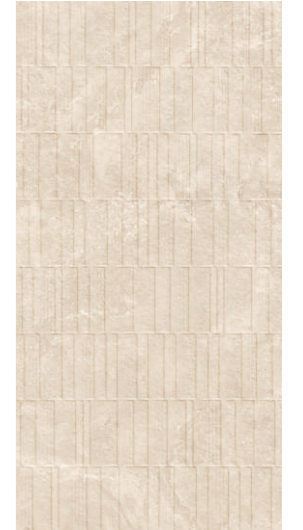
Bone Ivory  
 Roof Texture



Bone Mud  
 Roof Texture



Bone Pearl  
 Roof Texture

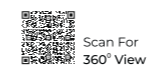


Bone Beige  
 Roof Texture

Random-04



Bone Ivory



Scan For  
 360° View



Bone Mud



Scan For  
 360° View



Bone Pearl



Scan For  
 360° View



Bone Beige



Scan For  
 360° View



Roof Texture



Sand

Almond

Hurricane

Cinereous

Konkret  
Series

Konkrete is a sophisticated design inspired by the distinctive aesthetic of German concrete design. Available in Sand, Almond, Hurricane, and Cinereous shades, Konkrete offers a modern and minimalist look that exudes understated elegance. It creates contemporary spaces that are both stylish and functional.

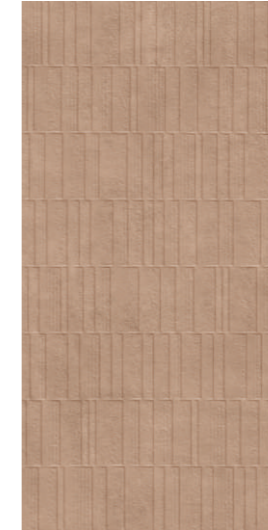




Random-04



Konkret Sand  
Roof Texture



Konkret Almond  
Roof Texture



Konkret Hurricane  
Roof Texture



Konkret Cinereous  
Roof Texture

Random-04



Konkret Sand



Scan For  
360° View



Konkret Almond



Scan For  
360° View



Konkret Hurricane



Scan For  
360° View



Konkret Cinereous



Scan For  
360° View



Roof Texture



Peanut

Hazel

Cashew

Almond

# Pietrazo Series

Pietrazzo is a unique fusion of Pietra and Terrazzo stones, combining the elegance of Pietra with the dynamic character of Terrazzo. It features a color palette inspired by dry fruits - Peanut, Hazel, Cashew, and Almond - creating a harmonious blend of warm and cool tones. This is a modern interpretation of classic stone.





Random-04



Pietrazo Peanut  
Roof Texture



Pietrazo Hazel  
Roof Texture

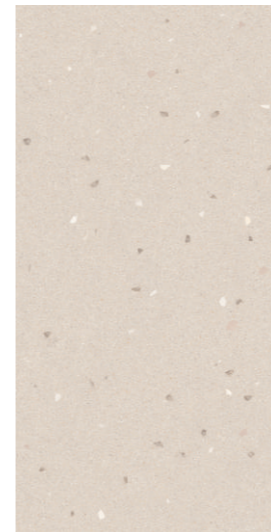


Pietrazo Cashew  
Roof Texture



Pietrazo Almond  
Roof Texture

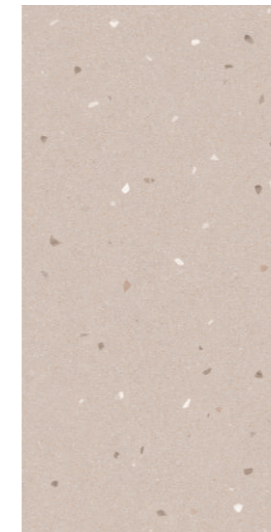
Random-04



Pietrazo Peanut



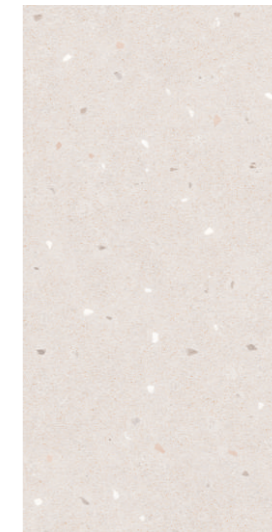
Scan For  
360° View



Pietrazo Hazel



Scan For  
360° View



Pietrazo Cashew



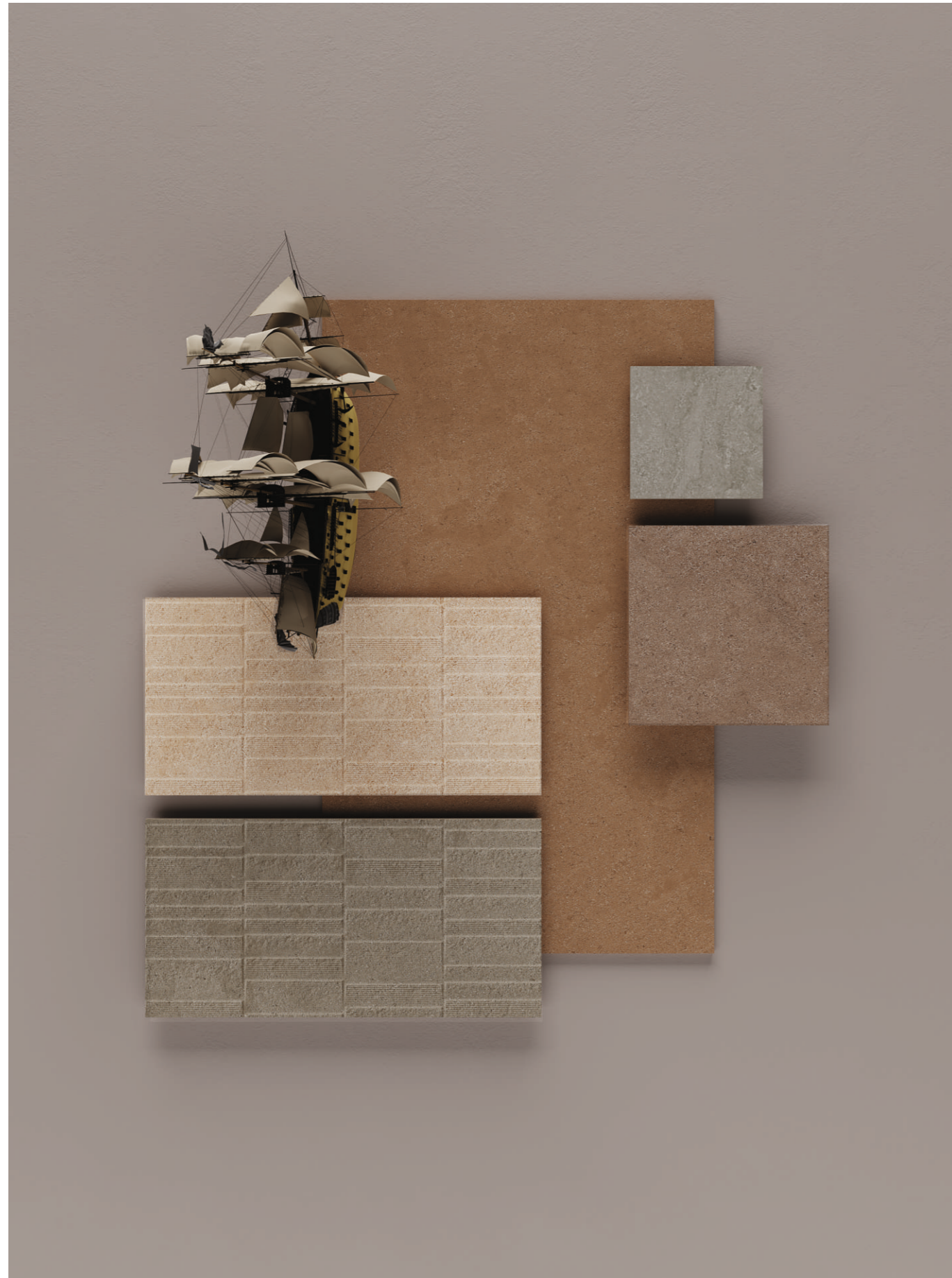
Scan For  
360° View



Pietrazo Almond



Scan For  
360° View



Roof Texture



Olive

Pearl

Coco

Almond

# Sansto Series

Sansto series inspired by the natural beauty of sandstone. A range of earthy shades, including Olive, Pearl, Coco, and Almond, that evoke the warmth and texture of genuine sandstone. The natural look and feel of Sansto make it an ideal choice for architects and designers.





Random-04



Sansto Olive  
Roof Texture



Sansto Pearl  
Roof Texture



Sansto coco  
Roof Texture



Sansto Almond  
Roof Texture

Random-04



Sansto Olive



Scan For  
360° View



Sansto Pearl



Scan For  
360° View



Sansto coco



Scan For  
360° View



Sansto Almond



Scan For  
360° View



Verline Texture



Eve



Morrow



# Carrara Series

Carrara is a stunning design inspired by the timeless beauty of Carrara marble. This series features two color variations: Eve, evoking the warm glow of an evening sky with its golden hues, and Morrow, capturing the cool, bright light of dawn. Carrara enhances any space with its timeless beauty.





Random-04



Carrara Eve  
Verline Texture



Carrara Morrow  
Verline Texture

Random-04



Carrara Eve



Scan For  
360° View



Carrara Morrow



Scan For  
360° View



Verline Texture



Grey

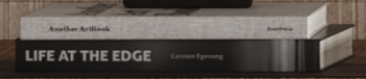
Cement

Desert

Beach

# Gritoss Series

Gritoss is a design that blends the natural grit of stone with the unique character of fossil stone. Inspired by the textures and colors found in nature, Gritoss offers a range of earthy tones, including Grey, Cement, Desert, and Beach, suitable for any space, creating a harmonious and inviting atmosphere.





Random-04



Gritoss Grey  
Verline Texture



Gritoss Cement  
Verline Texture



Gritoss Desert  
Verline Texture



Gritoss Beach  
Verline Texture

Random-04



Gritoss Grey



Scan For  
360° View



Gritoss Cement



Scan For  
360° View



Gritoss Desert



Scan For  
360° View



Gritoss Beach



Scan For  
360° View



Verline Texture



Barley

Peach

Pearl

Slate

# Cementa Series

Cementa is a modern design inspired by the sleek and contemporary aesthetic of concrete. With its shades Barley, Peach, Pearl, and Slate, Cementa offers a refined and minimalist look that exudes a sense of progressive style. Creating spaces that are stylish and functional, reflecting a contemporary and forward thinking design sensibility.





Random-04



Cementa Barly  
Verline Texture



Cementa Peach  
Verline Texture



Cementa Pearl  
Verline Texture



Cementa Slate  
Verline Texture

Random-04



Cementa Barly



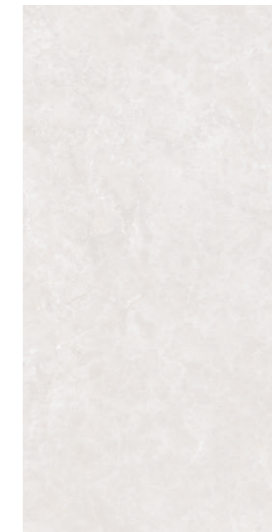
Scan For  
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Cementa Peach



Scan For  
360° View



Cementa Pearl



Scan For  
360° View



Cementa Slate



Scan For  
360° View



Verline Texture



Myst

Fossil

Silver

Dove

# Armostone Series

Armostone inspired by the elegant aesthetic of Armani stone. This series features a balanced palette of luxurious colors, including Myst, Fossil, Silver, and Dove, offering a versatile look that can be seamlessly integrated into a variety of spaces.





Random-04



Armestone Myst  
Verline Texture



Armestone Fossil  
Verline Texture



Armestone Silver  
Verline Texture



Armestone Dove  
Verline Texture

Random-04



Armestone Myst



Scan For  
360° View



Armestone Fossil



Scan For  
360° View



Armestone Silver



Scan For  
360° View



Armestone Dove



Scan For  
360° View



Verline Texture



Deer

Beige

Crust

Sand

Oro  
Series

Oro, inspired by the opulent beauty of gold, exudes a rich and luxurious aesthetic. This series captures the essence of this precious metal with its crisp and refined look. Oro's unique design characteristics give a sense of Royal Atmosphere.





Random-04



Oro Deer  
Verline Texture



Oro Beige  
Verline Texture



Oro Crust  
Verline Texture



Oro Sand  
Verline Texture

Random-04



Oro Deer



Scan For  
360° View



Oro Beige



Scan For  
360° View



Oro Crust



Scan For  
360° View



Oro Sand



Scan For  
360° View



### HANDLING

- To prevent breakage, we recommended to keep all Large Format Tiles in their original packaging during handling.
- Tiles measuring 60x120cm or less can be handled by hand.
- To handle Large Format Tiles, we recommend to use lifting tools with a sufficient load capacity.
- The use of forklift is recommended; however, it has to be equipped with following fork details:

- Minimum length of 1.2 m if the crates are handled resting on the long side.
- Minimum length of 2.1 m if the crates are handled resting on the short side.
- It is recommended that you handle the 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 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.

- 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 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.



### 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.



### 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 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 off 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 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.

CHARACTERISTICS	MINIMUM REQUIREMENT ISO / IS	AGL VALUE	Test Method ISO / IS
<b>(A) DIMENSION &amp; SURFACE QUALITY</b>			
Deviation In Length & Width	± 0.3% , ± 1.0mm / ± 0.1%	± 0.1%	ISO 10545 Part-2 IS 13630 Part-1
Deviation In Thickness	± 5.0% , ± 0.5mm / ± 5.0%	± 1.10%	ISO 10545 Part-2 IS 13630 Part-1
Straightness of Edge (Length & Width)	± 0.3% , ± 0.8mm / ± 0.1% , ± 0.1%	± 0.03% , ± 0.05%	ISO 10545 Part-2 IS 13630 Part-1
Rectangularity (Length & Width)	± 0.3% , ± 1.5mm / ± 0.1% , ± 0.1%	± 0.04% , ± 0.06%	ISO 10545 Part-2 IS 13630 Part-1
Surface Flatness (Length & Width)	± 0.4% , ± 1.8mm / ± 0.5% , ± 0.5%	± 0.04% , ± 0.02%	ISO 10545 Part-2 IS 13630 Part-1
Surface Quality	Min. 95% of Tiles shall be free from visible defects that would impair the appearance of a major area of the tiles	Min. 95% of Tiles shall be free from visible defects that would impair the appearance of a major area of the tiles	ISO 10545 Part-2 IS 13630 Part-1

**(B) PHYSICAL & THERMAL PROPERTIES**

Water Absorption % By Wt.	≤ 0.5, Ind. 0.6 Max. / ≤ 0.08, Ind. 0.1 Max.	< 0.05%	ISO 10545 Part-3 IS 13630 Part-2
Flexural Strength (MOR) In N/mm <sup>2</sup>	Avr. 35, Ind. Min. 32	> 47.21 N/mm <sup>2</sup>	ISO 10545 Part-4 IS 13630 Part-6
Breaking Strength in N	1300 N Min.	> 1788N	ISO 10545 Part-4 IS 13630 Part-6
Bulk Density (gm/cc)	2.0 Min. / 2.2 Min.	> 2.33	ISO 10545 Part-3 IS 13630 Part-2
Impact Resistance	> 0.40 / > 0.55	> 0.84	ISO 10545 Part-5 IS 13630 Part-14
Resistance to Surface Abrasion	Manufacturer to State Class / PEI II Min.	PEI III Min. (1500 RPM Pass)	ISO 10545 Part-7 IS 13630 Part-11
Co-efficient of Linear Thermal Expansion from ambient temp to 100°C (K <sup>-1</sup> )	9x10 <sup>-6</sup> Max. / 6x10 <sup>-6</sup> Max.	≤ 6x10 <sup>-6</sup>	ISO 10545 Part-8 IS 13630 Part-4
Thermal Shock Resistance	10 Cycles Min.	No Damage after 10 Cycles	ISO 10545 Part-9 IS 13630 Part-5
Moisture Expansion in mm/M	Test Method Available / 0.02 Max.	0.002 mm/m	ISO 10545 Part-10 IS 13630 Part-3
Craze Resistance	Min. 2 Cycle / 4 Cycles at 7.5 bar Min.	No Damage after 4 Cycle at 7.5 bar Min.	ISO 10545 Part-11 IS 13630 Part-9
Frost Resistance	Resistance	Resistance	ISO 10545 Part-12 IS 13630 Part-10
Moh'S Scratch Hardness	Min. 5	Min. 8	EN 101 IS 13630 Part-13

**(C) CHEMICAL PROPERTIES**

Resistance To House hold Chemicals	Min. Class B / Min. Class AA	GAA	ISO 10545 Part-13 IS 13630 Part-8
Resistance To Acids & Alkalis (Except HF Acid)	Teat Method Available / Min. Class AA	GAA	ISO 10545 Part-13 IS 13630 Part-8
Stain Resistance Green Stain in Light Oil, Red Stain in Light Oil, Aiodine, 13g/L in Alcohol, Olive Oil	Min. Class 3 / Min. Class 1	Min. Class 5	ISO 10545 Part-14 IS 13630 Part-8
Swimming Pool Salt : Sodium Hypochorita soln 12mg/Ltr	Min. Class B / Required, if agreed according to the chemical resistance class indicated by the manufacturer	GA	ISO 10545 Part-14 IS 13630 Part-8

**Packing Specification**

Size (mm)	Thickness (mm)	Weight (Kg.)	No. of Tiles / Set	Area Cover Sq. mtr./ Sq. ft. Box
1200x600mm	8.5 mm	27.3 kg.	02 pcs.	1.44m <sup>2</sup> / 15.5 sq.ft

**UNDERSTANDING ICONS**



**NOTES**

- All Technical Specifications in This Catalogue are for Premium Grade Material only.
- SHADE/SIZE VARIATION are inherent characteristics to ceramics. Certain products purposely have variations which are part of design & process. The same have been indicated.
- It is recommended to blend tiles by mixing tiles from various boxes & check for natural hue before fixing the tiles.
- It is recommended to check the tiles before laying/fixing. Quality standards cover 1st/Premium Quality only.
- Company's liability is limited on material that has not been laid.
- NO COMPLAINT SHALL BE ENTERTAINED ON TILES ALREADY FIXED/LAID.
- The liability is also limited to the material supplied by the company; no other claim is entertained under any circumstances.
- No complaint is entertained on decoration done on tiles, other than the ones done by Asian Granito India Ltd.

GENERAL NOTE : Any complaint must be brought to the company's notice within 10 days of purchase & before fixing of tiles.

**How to avoid defects & complaints :**

- Use Premium Quality Tiles
- Select tile sizes that are adaptable to the space, prioritizing the area dimensions rather than just the intended use.
- Avoid careless laying of Tiles
- Avoid poor maintenance-for instance, by cleaning with strong Chemicals or with abrasive equipment e.g. metallic scrubber
- Always keep Tiled area clean & ensure dusting/mopping regularly
- Put Doormats/Foot-mats at all strategic locations to avoid loose debris/dust from entering the Tiled area

**List of Detergents For Removal of Stain**

STAIN (Created By)	Beer	Blood	Calcar	Cement	Cigarette	Soft Drinks	Coffee	Edible Oil	Glue	Ice Cream	Ink	Juices	Marker Ink	Nicotine	Paints	Resin	Rust	Tar	Tea	Turmeric	Wine
SOLVENTS (Turpentine, acetone, trichloroety - line etc.)								•	•		•		•			•					
SODIUM HYPO (Chlorite (NaOCL))												•								•	
ACIDS DILUTED (Hydrochloric acid*)			•	•	•						•			•	•		•			•	
ALKALI (Sodium hydroxide/potassium hydroxide)	•	•				•	•			•											•

\*Commercial grade shall not be used

DISCLAIMER : Asian Granito India Ltd. reserves the right to delete & amend either totally or partially, any of the colors, shapes, sizes, references and other technical specifications contained in this catalogue at anytime. The colors shown of tiles in this catalogue are purely illustrative and limited to printing process. Please refer actual sample before final selection. The details of sizes, colors, references should be verified for typographical errors. All complaints need to be reported within 10 days of purchase. Always follow instructions to avoid complaint due to bad masonry.

## CORPORATE OFFICE & BRANCHES

### DISPLAY CENTRE & OFFICE

#### GUJARAT

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Opp.Honest Hotel, National Highway,  
Lalpar Road Morbi - 363642.  
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■ **AGL Showroom**  
**Future Ceramic Private Limited**  
Servey No.-84P1, 84P2, 85/1, 85/2P1, 85/2P2  
B/h Harikrupa Papers LLP,  
8-A NH, At Post Gala - Morbi -363642  
Mobile: 93166 32661  
E-mail: display@futureceramic.co.in

■ **Factory Display Centre - Morbi**  
**(Sanitaryware & Faucets)**  
**AGL Sanitaryware Pvt. Ltd.**  
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