I-marble, an intelligent innovation from the house of Qutone is considered as future against marble. With enhanced strength, large size, myriad designs and textures, flawless consistency and resistance to scratch, stains and bacteria it is touted as the next biggest invention. A slab equipped with superior features to beautify your interiors, cladding and flooring, it is an advancement set to revolutionize the tiles industry.

From its inception, Qutone Ceramics has been committed to innovation with advanced technological application in its entire product range. The company has been a pioneer in several hi-tech innovations that have set trends in the tile industry.

Right from the introduction of IQ Smart, first slim flexible tiles, to high end Elegante, Qutone has upgraded itself to the fully automatic state-of-the-art modern slab plant in the world. Being first in Asia and 4th in Globe, Qutone has deployed world’s latest and largest press system GEA 44000, a technology to revolutionise press system creating slabs without mould. It is the new automatic technology of power feeding system cutting various sizes uniformly. GEA 44000 facilitates creation of slab measuring up to 1600x4800mm with standard WA of less than 0.05%.

Complete online cutting of slabs and automatic packing in specialised packaging makes the whole manufacturing process automatic ensuring 100% precision in cutting and texturing. The technology application for the processing of I-marble makes the product an intelligent innovation set to give new definitions to the meaning of tiles.

HOW WE CREATE VALUE

Creating something new starts with defining where you want to go, what you want to achieve. It starts with an idea, a vision you embody for something better, an obsession you have. And for us, it all starts with an innovation. Innovation is our very purpose. Through innovation we have the power to change lives. We are obsessed with inspiring people to harness the power of innovation in their lives.

WHY I-Marble?

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THE TECHNOLOGY

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What makes the iMarble intelligent are the grand sizes it is available in. This makes installation a very simple task. For example, one single slab of 1200x2400mm will replace 8 tiles of standard 600x600mm size.

Polishing natural marble is a hard task since one has to find a mason to buff the surface of the marble. However, iMarble’s processed body is highly polished and retains it for years.

The iMarble weighs at least 60% less than traditional and current Italian marble. This adds to the simplicity of installation and transport of the slabs.

Resin is a synthetic polymer used as an adhesive for treating cracks in natural marble. iMarble uses no resin treatment as there are no cracks in it. Since resin has an adverse effect on the skin, iMarble is a far more better and healthier option than natural marble.

Another quality that iMarble is imbued with is its low or zero porosity. When water settles on natural marble, it seeps in, making the marble weak, inviting fungal, algae growth, etc. With iMarble, all these problems can be avoided.

Natural marble has a very low modulus of rupture (MOR), while processed slabs of iMarble are compact made and have a very high breakage strength, making iMarble a far more stronger choice than traditional marble.

Even when used in high-traffic areas, iMarble needs minimum care because of its low porosity, highly compact body and high hardness index.

Apart from just flooring, iMarble can be used in many other applications like, facades, lifts, ventilated and non-ventilated facades. iMarble can be installed easily by means of wet/dry cladding.
BRECCIA AURORA
Finish: Polished
MARFIL
Finish: Polished
1200 x 2400 mm
DYNA FANTASTICO
Finish: Polished

Glossy Floor Tile
Glossy Wall Tile

1200 x 2400 mm
TRAVERTINO CLASSICO
Finish: Polished

1200 x 2400 mm
STATUARIO CLASSIC
Finish: Polished

GLOSSY
FLOOR TILE
WALL TILE

A & B

1200 x 2400 mm
STATUARIO SUPER
Finish: Polished

1200 x 2400 mm
STATUARIO PEARL
Finish: Polished
ARMANI GOLD
Finish: Polished

1200 x 2400 mm
ARMANI GREY
Finish: Polished

GLOSSY FLOOR TILE  WALL TILE

1200 x 2400 mm
PORTORO SILVER

Finish: Polished

Glossy Floor Tile | Wall Tile

1200 x 2400 mm
PORTORO GOLD
Finish: Polished
Glossy Floor & Wall Tile
1200 x 2400 mm
TOBACCO BROWN
Finish: Polished

Glossy Floor Tile
Wall Tile

1200 x 2400 mm
ARMANI BRONZE
Finish: Pearl

1200 x 2400 mm
NIVEA AVORIO
Finish: Pearl
1200 x 2400 mm
NIVEA GRIGIO
Finish: Pearl

1200 x 2400 mm
METAL PLATE
Finish: Matt Metallic

1200 x 2400 mm
LOUNGE BROWN
Finish: Matt

LOUNGE IVORY
Finish: Matt
imarble
INCREDIBLY ITALIAN
800x2400mm
HONEY ONYX
FINISH: Polished

800 x 2400 mm
BRECCIA AURORA
FINISH: Polished
800 x 2400 mm
ONYX BLANCO
FINISH: Polished

GLOSSY FLOOR TILE WALL TILE

imarble
THERMALLY ITALIAN
800 x 2400 mm
GLOSSY FLOOR TILE

WALL TILE

ESTRADA

Finish: Polished

imarble

800 x 2400 mm
STATUARIO FANTASTICA
FINISH: Polished
STATUARIO ICE
FINISH: Polished

imarble | INCREDIBLY ITALIAN
800 x 2400 mm
GLOSSY FLOOR TILE
WALL TILE

SATA
FINISH: Sugar Dark

imarble
800 x 2400 mm
ORIENT BIANCO
FINISH: Matt

ORIENT NERO
FINISH: Matt
ORIENT BEIGE
FINISH: Matt

ORIENT BROWN
FINISH: Matt

imarble
INCREDIBLY ITALIAN
800 x 2400 mm
PORTLAND GREY
FINISH: Matt

PORTLAND MOCHA
FINISH: Matt

imarble | 800 x 2400 mm
LEMINUM BEIGE

FINISH: Leather Matt

800 x 2400 mm
LEMINUM RED
FINISH: Leather Matt

800 x 2400 mm
MOTELY WOOD
FINISH: Wood Matt

WALNUT NATURAL
FINISH: Wood Matt

imarble
800 x 2400 mm
Q - 01
WHY IT IS CALLED AN I MARBLE?
It is an intelligent marble which overcomes all the flaws of Italian natural marble.

Q - 02
IS IT A TILE, MARBLE OR COMPRESSED MARBLE?
It is a new technology developed by an Italian company which is owned first time in Asia by Qutone Ceramics Pvt. Ltd. We can name it as slab.

Q - 03
WHICH KIND OF BODY IT HAS?
It has highly compressed vitrified colored body.

Q - 04
CAN WE USE THIS ON WALL AND FLOOR?
Yes, we can use it on both.

Q - 05
WHAT IS AVAILABLE THICKNESS AND SIZES?
Available thickness is 7mm and 9 mm approximately and available sizes are 1200 x 2400 mm, 800 x 2400 mm, 800 x 1600 mm, 1200 x 1200 mm.

Q - 06
WHAT IS THE THICKNESS OF TOP LAYER?
ANS. Thickness of top layer is approximately 0.4 mm

Q - 07
IN WHICH AREAS WE CAN USE I MARBLE?
We can use i marble indoor, outdoor of any residential and commercial buildings as well as facades.

Q - 08
AS WE KNOW IT IS NOT A NATURAL MARBLE SO IF WE USE IT IN FAÇADES ITS SHINE WILL FADE IN SOME TIME?
We recommend pearl and matt finish on façade but if we use polished finish it will also resist up to five years.

Q - 09
IS POLISHED FINISH SLIPPERY WHEN IT WILL BE CONTACTED WITH WATER?
Yes, it will be slippery, so we recommend matt and pearl finish in this area.

Q - 10
CAN WE LAY IT JOINT FREE OR WE NEED GROOVING?
We can lay it joint free on wall and floor both in interior side only but we recommend spacer and joints in exterior side.

Q - 11
HOW CAN WE LAY I MARBLE?
There are special adhesive available in the market for vitrified body. Like liticrate, which we can apply with notch stroll.

Q - 12
HOW MANY FINISHES AVAILABLE IN I MARBLE?
It has four finishes available -- matt, pearl, polished and matt-metallic.

Q - 13
IF IT HAS VITRIFIED BODY THAN IT SHOULD NOT BE TRANSLUCENT LIKE MARBLE?
It is not translucent and in marble also only onyx has a translucent property.

Q - 14
IS IT POROUS LIKE MARBLE?
It is non-porous. It could not consume anything which spills on it which makes it satin free and bacteria free.

Q - 15
IS IT STRONG AS MARBLE OR GRANITE?
As it has less thickness than marble then to it is 7 times more stronger than marble because of its highly compressed body.

Q - 16
HAS IT ANY WASTAGE LIKE MARBLE?
No, it is available in factory cut sizes.

Q - 17
IS IT REQUIRED ON-SITE POLISHING AFTER AFTER INSTALLING AS REQUIRED IN MARBLE?
No, it comes as a pre-polished finish which does not require any application on site.

Q - 18
ANY SPECIAL TECHNIQUE OR APPLICATOR REQUIRED FOR I MARBLE?
No, any trained applicator can do this with the help of available handling and installation tools.

Q - 19
IS IT ALSO AVAILABLE IN CUT SIZES FOR THE USE OF NARROW AREA OR SKIRTING?
No, it is available in only fixed sizes but you can make it cut as per your requirement on site.

Q - 20
IS IT POSSIBLE EDGE POLISHING, 45 DEGREE CUTTING AND BEVELING IN I MARBLE?
Yes, you can do same as like marble because of its homogeneous colored body.

Q - 21
CAN WE USE IT IN KITCHEN SLABS?
For kitchens we have special product with homogeneous body which you can use in kitchen slabs.

Q - 22
CAN IT BE USED FOR BATHROOM COUNTER TOPS?
Yes, all i marble products can be used in bathroom counter tops.

Q - 23
WHAT IS THE ADVANTAGE OF BEING FLEXIBLE BODY IN I MARBLE?
Due to the flexible body it can be adjusted to any kind of contraction and expansion due to climatic conditions and also easy to maintain level of floor.

Q - 24
WHY WE USE REPLICA INSTEAD OF ORIGINAL ITALIAN MARBLE?
1. In marble there is a limitation of availability of some textures as we have chosen best available texture of marble.
2. Cracks developed in natural marble can be filled by artificial resin which can be open in a specific period of time but in i marble it can be as it is.
3. Non-porous
4. Bacteria free
5. No wastage
6. Easy to install
**INSTALLATION SUGGESTIONS**

**imarble Slab Floor Laying**

Laying imarble slabs requires similar laying conditions to those required for traditional format slabs. imarble requires the adhesive to be applied both on the setting bed and on the back of the slab.

**imarble 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 leveling compounds.

**Instruments required**

- Cement-based powder adhesive for full spread, class "C2E" according to EN12004 and S1 according to EN12002 standards;
- 3x3 mm square toothed trowel and 15 mm round toothed trowel;
- Frame with suction cups for handling or double suction cups;
- Non-bounce plastic mallet 170x370mm;
- Leveling system: base clip + wedge + pliers.

**PROCESSING STAGES**

1. Ensure that the surface to be covered is solid, fat and free from dust and oil/grease.
2. Use the adhesives described above mixed according to the specification 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 5/10cm more than the dimensions of the slab.
4. With the slab 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 slab 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 slab, the adhesive and the surface to be tiled.
7. Using the leveling system.

**Leveling system**

The leveling system aims to guarantee perfectly leveled floors simply and quickly, eliminating any unevenness between the slabs. The leveling system is strongly recommended for laying imarble slabs.

**Instruments required**

- Base clip.
- Wedge.
- Adjustable pliers for installing floors / wall tiles. Application of the leveling system

**Positioning the base clip**

A) After spreading the adhesive, insert the base clip below the imarble slab on the 4 sides.
B) Depending on the format of the slab, position one or more supports for each side of the slab.
C) Position the slab.

**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.

---

**CLEANING AND MAINTENANCE**

**imarble Slab Floor Laying**

Introduction all imarble slab materials are easy to clean and maintain. Regular cleaning highlights the aesthetic features of the material and gives the floor an 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 in a 3:1 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 imarble slab collections.

**Maintenance and care**

- thanks to the characteristics of the production process (high firing temperature, raw materials of great quality, sintering process), the surface of imarble 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.

**Matt materials**

- For these materials, 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.

**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 for cleaning the high technology sinterized imarble products, with the exception of HYDROFLUORIC acid (HF) or its compounds, according to UNI-EN 176 standards. In order to keep costs limited and speed up maintenance operations, the concentration of the detergent must always be as low as possible. For raised floors we suggest to choose bright or polished surfaces in large sizes; these materials can be dry cleaned or with the minimum use of liquids. After the floor is laid it is necessary to make a very accurate initial cleaning with proper products.

**Detergents**

- The detergents are essential when laying new materials on old floors and for preparing the support surface perfectly as well as after installation to remove all traces of cement, adhesive or sealant from the newly laid materials.
### Technical Specification

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>STANDARD AS PER ISO-13006/En14411 GROUP</th>
<th>iMARBLE VALUE</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory Properties</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Deviation in Length &amp; Width</td>
<td>±0.5%</td>
<td>±0.2%</td>
<td>ISO - 10545-2</td>
</tr>
<tr>
<td>Deviation in Thickness</td>
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<td>Straightness of Sides</td>
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<tr>
<td>Rectangularity</td>
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<td>±0.2%</td>
<td>ISO - 10545-2</td>
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<tr>
<td>Surface Flatness</td>
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<tr>
<td>Colour Difference</td>
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<tr>
<td>Glossiness</td>
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<td>&gt;90%</td>
<td>Glossmeter</td>
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<td>Structural Properties</td>
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<tr>
<td>Water Absorption</td>
<td>≤0.05</td>
<td>≤0.05</td>
<td>ISO - 10545-3</td>
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<tr>
<td>Apparent Density</td>
<td>≥2.00 g/cc</td>
<td>≥2.10 g/cc</td>
<td>DIN 51082</td>
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<tr>
<td>Massive Mechanical Properties</td>
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<tr>
<td>Modulus of Rupture</td>
<td>Min 35N/mm²</td>
<td>Min 40N/mm²</td>
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<tr>
<td>Breaking Strength</td>
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<td>Min. 2000 N</td>
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<tr>
<td>Impact Resistance</td>
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<td>Surface Mechanical Properties</td>
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<td>Surface Abrasion Resistance</td>
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<td>Moh's Hardness</td>
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<td>EN 101</td>
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<td>Thermo Hygrometric Properties</td>
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<tr>
<td>Frost Resistance</td>
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<td>No Damage</td>
<td>ISO - 10545-12</td>
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<td>Thermal Shock Resistance</td>
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<td>ISO - 10545-9</td>
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<td>Moisture Expansion</td>
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<td>Thermal Expansion</td>
<td>Max. 9.0 x 10⁻⁶</td>
<td>Max. 6.5 x 10⁻⁶</td>
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<td>Crazing Resistance</td>
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<td>Min. 10 Cycle</td>
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<td>Stain Resistance</td>
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<td>ISO - 10545-14</td>
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<td>Safety Properties</td>
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<td>Slip Resistance</td>
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<td>ISO - 10545-17</td>
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<tr>
<td>Fire Resistance</td>
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<td>Fire Proof</td>
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### Packing Details

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<tr>
<th>DIMENSION (mm)</th>
<th>SLAB</th>
<th>SQUARE METRE</th>
<th>SQUARE FEET</th>
<th>WEIGHT (APPROX)</th>
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<tbody>
<tr>
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<td>1</td>
<td>2.88</td>
<td>31.00</td>
<td>64 Kgs</td>
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<tr>
<td>800 x 2400mm</td>
<td>2</td>
<td>3.84</td>
<td>41.33</td>
<td>74.5 Kgs</td>
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<td>1.92</td>
<td>20.67</td>
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