



 **ECOLANIC[®]**

**GRANULITE
SAND POOL W**

THE MARBLE COATING



**Granulite Sand
Pool W**



Description, uses y consumption

Description

GRANULITE SAND POOL is a two-component water-based polyurethane product, which is presented as component A in the form of a semi-solid paste, practically odorless, ready for mixing with component B, a catalyst that appears as a viscous liquid, which is Once applied to the substrate, it transforms into a film of 2 mm thick MARMOL and silica granules, perfectly adhered and with a high modulus of elasticity. It incorporates high waterproof properties that are complemented by a pleasant decorative appearance. It is manufactured in a wide range of standard referenced and custom color compositions. Its innovative formulation, composed of nano additives and VOC-free resins, makes it a coating that is as effective as it is sustainable. It is a plaster (totally free of cement, gypsum, plaster, lime and other hydraulic products), essentially made up of loads of marble and silica granules agglomerated with polyurethane resin and pigmented in the mass with stable pigments.

Uses and fields of application

GRANULITE® SAND POOL is used as a coating for the interior of swimming pools, showers, spas, saunas, jacuzzis, decorating and waterproofing the support. It is a last generation product, of high resistance, great beauty and modern aesthetics similar to beach sand. It is non-slip and antibacterial.

Properties

CHEMICAL

- Insensitive to chlorinated and bactericidal lotions
- Insensitive to dilute acid and alkaline solutions.
- Good washability with liquid detergents.
- Good resistance to aging.
- Resistant to ultraviolet radiation. Does not yellow

FÍSICAS

- Waterproof to water. Suitable for indoor and

outdoor applications.

- High adhesion power.
- Great elasticity. Systematically obstructs capillary porosities and microcracks.
- Good tensile strength.
- Very good resistance to shock and abrasion.
- Excellent adherence to all substrates, not influencing the pH of the facing.
- Non-flammable in a pasty state. Simple flameless combustion in the dry state, at 250° C.
- Absolutely odorless once set.
- Once applied, it retains its properties at extreme temperatures (-20° C. to + 60° C.)
- Very easy to apply, with high yields of up to 60 m² per operator / day.

Special precautions

- Do not apply at temperatures below 10° C
- Do not apply at temperatures above 25° C
- The support must be between 10° C and 20° C. An excess of temperature can generate bubbles.
- Do not apply with risk of frost, strong winds or direct sun
- Do not apply more thickness than recommended.
- Do not apply with relative humidity higher than 85%
- Do not apply on wet surfaces (humidity less than 3%).
- Use gloves and protective glasses for its use.
- Keep out of the reach of children.
- The utensils and tools must be cleaned with water immediately after use.
- Empty containers must be disposed of in accordance with current legislation.

Consumption

Consumption is approximately 4.7 - 5 kg / m²

Colors

Those of the sample book.

Presentation

It is a two-component product. No need to add water
Supplied in plastic buckets

Part A: 20kg

Part B: 0.6kg

Packed in a 115x115cm pallet containing 36 units (kit A + B). 741.60kg

Application rules



Application tooling

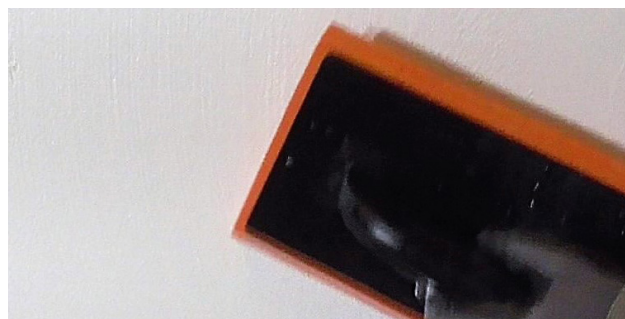
The working containers used (buckets, pasta dishes, etc.) must be made of plastic. Application tools must be stainless steel.

Substrates

- Cement, concrete, self-leveling mortars, etc., provided they are in good condition.
- Smooth surfaces of stripped concrete and clean of release agents.
- The support must be firm, clean of dust, fats, oils, the rest of old paintings and dry (maximum allowed humidity 4%).
- Before applying Granulite Sand Pool it is necessary to prepare the support, leaving a good flatness, with our elastic waterproofing mortar MR ELASTIC. Once the MR ELASTIC mortar has been applied, gently trowel with a fine sponge, using the float technique, to leave a slightly rough surface to the touch.



MR Elastic application



MR Elastic floated

Application steps

1ST PRIMER OF THE SUPPORT. PRIMER DUR.

Once the support is prepared with our MR ELASTIC, apply a layer of Primer Dur (see technical sheet) on the support to favor the perfect anchoring of the final product.

It is distributed on the surface, with the help of a brush, roller or airless, so that it homogeneously and completely impregnates the support. The formation of product puddles on the surface must be avoided.

It is presented in containers with the appropriate proportions for the application. The consumption as a sealing layer of the Primer Dur is 150 gr. / m².

The drying time is relative and depends on the atmospheric conditions in each case. Once it is dry, we can apply the layer of GRANULITE SAND POOL on top.



Primer Dur Application

READ THE TECHNICAL SHEETS OF ALL THE PRODUCTS FOR THEIR CORRECT USE
ON WWW.ECOLANIC.ES

Application rules



Application steps

2ND GRANULITE SAND POOL

After the preparation described above we can apply GRANULITE SAND POOL.

MIXED

It is presented in containers with the appropriate proportions for the mixture of the two components. In no case are partial mixtures recommended. Component B is added to Component A and mixed at low revolutions (300-350 revolutions) for 2 minutes using a drill fitted with a stirrer, until a homogeneous product is obtained. This process is important not to heat the mixture and that it can cause a rapid drying reaction of the same. Air entrapment should be avoided during mixing.

APPLICATION

- Spread the product with the help of a metal trowel and go over it in the same direction to avoid marks. The ease of application of the product allows to make continuous surfaces in one go. The joining of cloths, either of the same color or of different shades, can be done without problems using adhesive tape, although metallic profiles can be used.
- In vertical walls, the application of the material is made from the bottom up on the worker's work surface.
- The working time is 25/30 minutes depending on the temperature and the hygrometric state.

During this working time, proceed to tamp the marble granules and smooth the GRANULITE SAND POOL using the same trowel.

- Once the product is spread, after between 2 and 5 minutes, the product should be reviewed with a completely clean metal trowel, to leave a perfect flatness and remove any marks from the application. It is advisable to have a damp cloth to clean the trowel while the revision is being carried out.
- The trowels used are of different shapes, depending on the requirements of the work, to access curved or rounded supports.
- The GRANULITE SAND POOL should not be applied at temperatures below + 10° C. or above 25° C. The temperature of the substrate must not exceed 20° C
- The product should not receive direct sunlight during application or for the next 12 hours.
- Use the complete product once opened. Do not mix the material again or add any other product to it.
- The product usually dries after 12 hours to the touch and can be passable after 24 hours at an average temperature of 20° C. Its maximum hardness is reached after 7 days.
- After 7 days the pool glass can be filled.



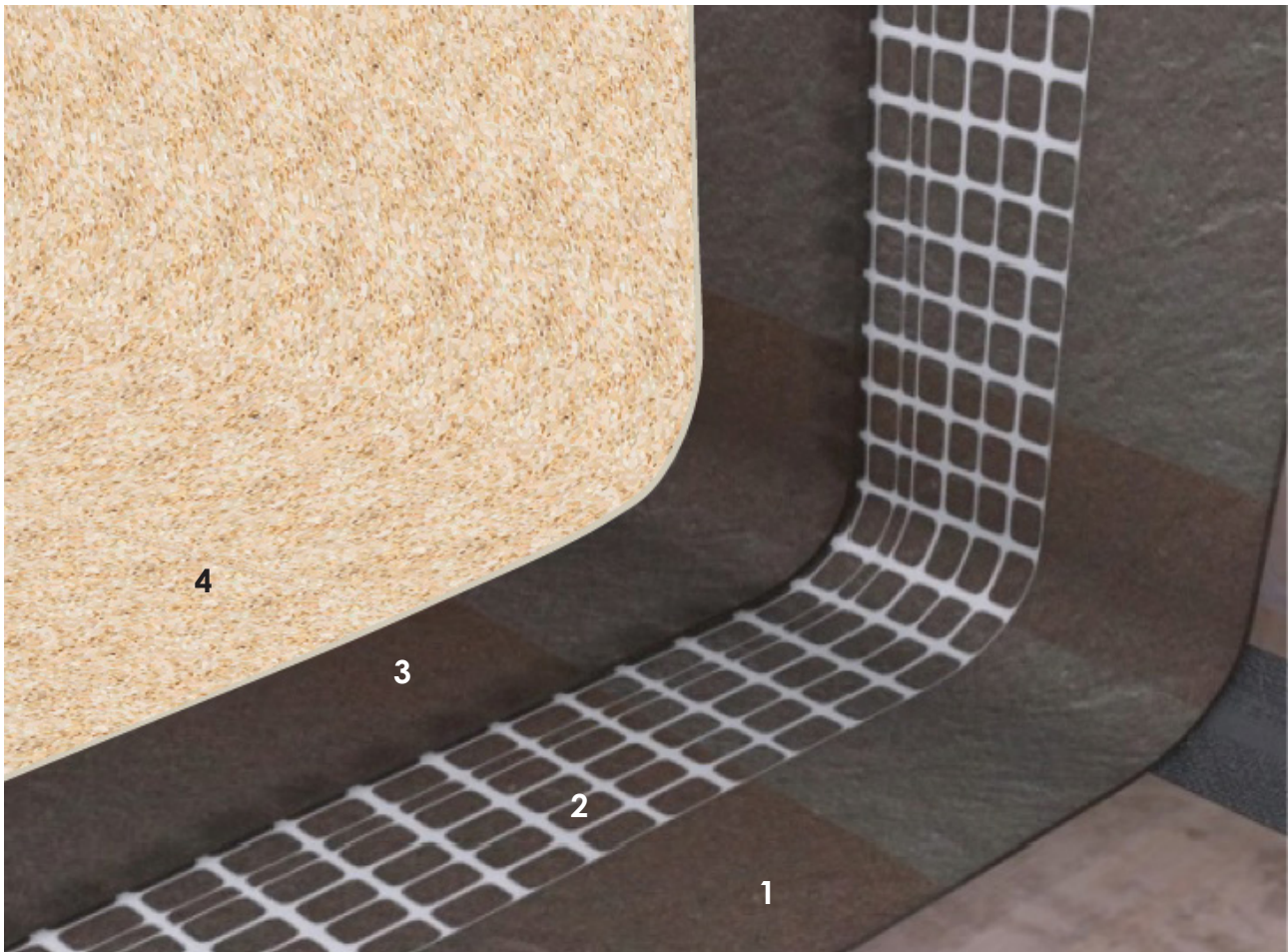
Granulite Sand Pool application

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Application Graphics



1. First coat of MR ELASTIC
2. PAVINET MESH
3. Secons coat of MR ELASTIC
4. One coat of Granulite Sand Pool



Technical data and benefits



Technical data

Color: PART A: According to color samples.
PART B: Transparent

Pot life: 25 - 30 minutes

Application temperature: Between 10°C and 25°C

Support temperature: maximum 20° C

Viscosity: Low viscosity liquid

Density: 1.8 gr./cm³

Passable: 12 hours at 20°C. Recommended at 24 hours.

Solid content: 100% by weight

Tabla resistencias finales (240 Horas)

Distilled water Undisturbed

Bleach Undisturbed

Coffee Normal

Wine unaltered

Coca cola Unaltered

Ammonia Undisturbed

Neutral soap without altering

Environment Humidity 80% and 40°C Without altering

Slip resistance UNE-ENV 12633: 2003 Class III

Color stability: Excellent. Aliphatic, does not yellow outside.

Unalterable at temperatures: -20°C to 60°C

VOC content in the ready-to-use product:

(European Directive 2004/42 / CE) (g / l): ≤ 6

CONSERVATION

The GRANULITE is washable using liquid detergents (neutral or acid) diluted with water (according to the manufacturer's instructions), followed by brushing (soft bristle) and rinsing with clean water.

CONSERVATION TIME

It can be stored for up to 6 months, keeping the product in its original container tightly closed, in a dry place and protected from the sun. It is not advisable to store the product at temperatures below 10° C or above 20° C

HANDLING

Polyurethane resins can cause irritation in people with sensitive skin, so it is advisable to use rubber gloves, protective glasses and a mask during handling. In case of contact with the eyes, wash them with plenty of clean water and consult a doctor. Hands and skin should be washed with hot soapy water. Avoid release to the environment.

Descriptive memory



Descriptive memory

Two-component water-based polyurethane-based coating, which is presented as component A in the form of a semi-solid paste, practically odorless, ready to be mixed with component B, a catalyst that appears as a viscous liquid, which transforms, once applied on the support, in a film of 2 mm thick MARBLE and silica granules, perfectly adhered and with a high modulus of elasticity. (Granulite Sand Pool by ECOLANIC). GRANULITE® SAND POOL is used as a coating for the interior of swimming pools, showers, spas, saunas, jacuzzis, decorating and waterproofing the support.

The support must be previously prepared with MR ELASTIC DE ECOLANIC elastic waterproofing mortar.

The product must meet the following technical characteristics:

TECHNICAL DATA

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