



MARBLE EPOXY COATING FOR CONTINUOUS FLOORING

3mm thickness



Ecopoxi
Primer A



Granulite
Floor A



Ecopoxi
Primer B



Granulite
Floor B



Description, uses and consumption

Description

GRANULITE FLOOR is a marble cladding two-component, solvent-free epoxy that presents in a semi-solid state, with infinite possibilities decorations, combining designs and unlimited colors. The GRANULITE FLOOR collection it is made up of two different particle sizes, standard and Silex, which adapt to the requirements design and particular mechanical resistances of each project. GRANULITE FLOOR allows respond to all kinds of substrates and surfaces, intended both for indoor and outdoor or in contact with water, as it is a waterproof product.

At the forefront of trends contemporary architecture and decoration, its innovative formulation composed of selected fillers, nano additives and resins Solvent-free EPOXY, make it a coating as exclusive as it is sustainable.

Uses and fields of application

Two-component product, consisting of a component A, which comes in the form semi-solid, practically odorless pasta, ready for mixing with component B, catalyst that presents as a liquid viscous. Once applied on the support, transform into a REALEPIDERMIS (or MARBLE GRANULUM FILM of only 3mm thickness) perfectly adhered to the support. Once kneaded, it is suitable for coating and decorate floors of commercial spaces and residential as: Stores, offices, restaurants, lobbies, exhibition areas, homes, theme parks, garages, terraces, high-traffic commercial premises, warehouses industrial, pond or pool bottoms, fountains, countertops, etc. Given its high power adhesion on almost all types of surfaces such as concrete, tile, stoneware, terrazzo, auto leveling etc. make it ideal decorative solution both in new construction and in rehabilitation, thus avoiding discomfort and demolition costs of previous materials without increase levels.

Presentation

GRANULITE FLOOR comes in two different grain sizes:

Standard: Granulometry: $\pm 0.6 - 1.2\text{mm}$

SILEX: Granulometry: $\pm 0.3 - 1\text{mm}$

Standard: Part A: 22.32kg **Part B:** 1.68kg. **TOTAL KIT 24KG**

FLINT: Part A: 19.2kg **Part B:** 1.35kg. **TOTAL KIT 20.55KG**

Properties

- High resistance to abrasion and on impact.
- Radiation resistant ultraviolet. Does not yellow.
- Suitable for applications outdoor.
- Once applied, it preserves its properties at extreme temperatures (-20°C . to $+60^{\circ}\text{C}$.)
- High adherence power.
- Excellent mechanical and chemical properties
- Very easy to apply, with high yields up to 60 m^2 per operator / day.
- Impervious to the passage of water, grease and oils.
- Prevents the accumulation of bacteria and fungi.
- Greenbuilding Philosophy.



Special cautions

Avoid contact with eyes and skin. The use of a mask is recommended when carrying out mix. Wear rubber gloves and glasses protective. Keep out of the reach of children. Do not apply the product at temperature environment below 10°C nor above 30°C .

Consumption

The average consumption per square meter is 6.5 / 7 KG for standard grain size.

The average consumption per square meter is 5 / 5.5 KG for SILEX granulometry.

Application rules



How to use

Substrate preparation

The support must be healthy, firm, free of dust or dirt, greases, paints and correct any existing cracks or chips.

SUBSTRATES

GRANULITE can be applied on a wide variety of surfaces with different characteristics:

- Cement mortars, self-leveling, etc., provided they are in good condition.
- Smooth surfaces of concrete stripping and clean of stripping.
- The preparation will be by milling, shot blasting or sanding, depending on the support and the subsequent treatment.
- The substrate must be firm (minimum tensile strength of 1.5 N / mm² and a minimum compression of 20 N / mm²), clean of dust, greases, oils, rest of old paints and dry (maximum humidity allowed 4%).
- It should not be applied on substrates that present exudations and / or humidity due to phreatic pressures (the product is not breathable).



Preparation steps

1 GRIND + 2 VACUUM AND CLEAN



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

Application steps



How to use

Substrate preparation

The formation of puddles of product on the surface should be avoided.

1) SUBSTRATE SEALER. ECOPOXI PRIMER.

Apply a layer of ECOPOXI PRIMER (see technical data sheet) on the substrate to favor the perfect anchorage 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.

It is presented in containers with the appropriate proportions for mixing the two components. In no case are recommended partial mixes.

Component B is added to Component A and mixed at 300-350 revolutions for 3-5 minutes using a drill equipped with a stirrer, until a homogeneous product is obtained.

Air occlusion should be avoided during mixing.

Consumption as a sealing layer for high porosity substrates is 250/350 gr./m²



The drying time is relative and depends on the atmospheric conditions in each case.

Generally it is necessary to allow between **10 and 12 hours** for the product to cure.

Once it is dry, we can apply the GRANULITE FLOOR layer on top.

It is **very important** not to allow more than 24 hours of drying of the ECOPOXI PRIMER to pass, since it can generate anchoring problems. In such a case, we can lightly sand the product, vacuum and clean. Once sanded we can apply the finishing product.

CHAPTER SUMMARY

GRINDING + ASPIRING + ECOPOXI PRIMER



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

Application steps



How to use

Granulite Floor application

2) GRANULITE FLOOR

After the preparation described above we can apply GRANULITE FLOOR.

MIXTURE

It is presented in containers with the appropriate proportions for mixing 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 3-5 minutes using a drill equipped with a stirrer, until obtaining a homogeneous product. This process is important in order not to heat the mixture and that may cause a rapid reaction of drying it. Air occlusion 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. Ease of application of the product, allows continuous surfaces to be made in one

go. The union of cloths, either the same color or different shades, It can be done without problems, although metal profiles could be used. The trowels used are of different shapes, depending on the imperatives of the work. (stainless steel).

The working time is 30 minutes depending on the temperature and the hygrometric state. During this working time, proceed to tamp the marble granules and smooth the GRANULITE FLOOR using the same trowel.

GRANULITE FLOOR must not be applied at temperatures below + 10° C. or above 35° C.

Use the complete product once opened. Do not knead the material again or add any other product to it. To mark work areas use adhesive tape. This method will also help us to possible splices and color changes or line drawings. The tapes must be removed fresh, before the material hardens.

The product usually dries to 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.



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Application steps



How to use

Application finish

3) GRANULITE FLOOR TOP

It is advisable to apply a layer of GRANULITE FLOOR TOP protector to protect against dirt and extend the life of the system. Apply by stretching the material well avoiding accumulations of product. After 24 hours the pavement can be passable.

CONSERVATION

GRANULITE is washable using liquid (neutral or acidic) detergents diluted with water (according to the manufacturer's instructions) and then proceeding to brushing (soft bristle) and rinsing with clean water



CHAPTER SUMMARY

- 1 ECOPOXI PRIMER LAYER
- 1 GRANULITE FLOOR LAYER
- 1 GRANULITE FLOOR TOP LAYER

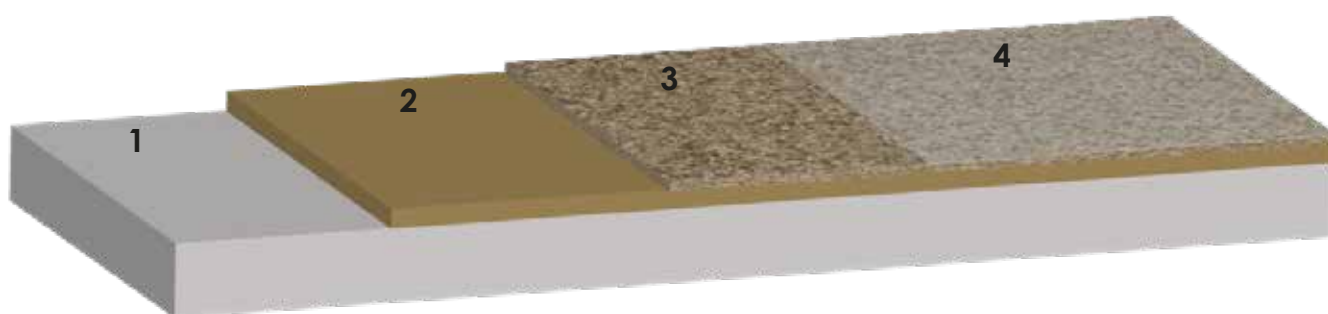
LEER LAS FICHAS TÉCNICAS DE TODOS LOS PRODUCTOS PARA SU CORRECTA UTILIZACIÓN
EN WWW.ECOLANIC.ES

Application graphics



Above Ground

1. Concrete support
2. Ecopoxy Primer
3. Granulite Floor
4. A layer of Granulite Floor Top



Granulite Floor



Technical data and chemical resistance



Technical Data

Appearance: Part A: semi-solid Part B: viscous.

Color: Part A: According to color chart.

Part B: Transparent

Pot life : 25 – 35 minutes

Application temperature: Between 10°C and 30°C

Viscosity (no aggregate): 750 – 850 mpa.s

Adhesion to ASTM D4541 concrete: > 3,5 Mpa

Compressive strength: 27 – 30 N/mm²

Compression module: 1.650 N/mm²

Tensile strength: 13 – 14 N/mm²

Elongation: 10% + / -

Flexural strength: 12 – 17 N/mm²

Shore hardness: 81 at 7 days

Density: 1,05 gr./cm³

Passable: 12 hours at 20°C

Solids content: 100% by weight

VOC content in the product ready for

use: (European Directive 2004/42 / EC) (g / l):
≤ 85

Determination of resistance value to slip:
(USRV). UNE-ENV 12633: 2003: CLASS III



Chemical Resistance

300 hour tests at 20°C

INORGANIC ACIDS AND BASES

Oxygenated Water 20% +

Hydrochloric Acid 75% +

Tartaric acid 20% +

Sodium hypochlorite 75% +

Sulfuric Acid 40% +

Chromic Acid ±

Nitric Acid (*) 10% +

Caustic Soda Conc. +

Caustic Potash Conc. +

Ammonia (*) 25% +

OILS

Drill +

Diesel Oil +

Machine oil +

Engine oil +

ORGANIC ACIDS

Lactic Acid 10% +

Citric Acid 10% +

Acetic Acid 10% -

Formic Acid 5% +

SOLVENTS

Acetone (*) ±

Normal Gasoline +

Super Gasoline +

Toluene +

Xylene +

Tricolor Ethylene-Methanol ±

Ethanol ±

Ethylene Acetate ±

Meaning of the symbols:

+: Resistant / -: Not resistant / ±: Short-term resistant / (*): Affects the color of the product



Features and specification



SAFETY AND HYGIENE INFORMATION

For any information related to safety issues in the use, handling, storage and disposal of chemical waste, users should consult the most recent version of the Product Safety Sheet. Empty containers must be disposed of in accordance with legal regulations. valid.

STORAGE CONDITIONS

The life time of the material is 12 months from the date of manufacture provided it is kept in a dry place and protected from the weather. It is not advisable to store the product at temperatures below 10 °C.

HANDLING

Epoxy resins can cause irritation in people with sensitive skin, so it is advisable to use rubber gloves, goggles 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.

NOTE: The instructions for use are made according to our tests and knowledge and are not binding. They do not free the consumer from the examination and verification of the products for their correct use. The company's liability will be limited to the value of the merchandise used.

SPECIFICATION DATA

Application of a layer of Ecolanic's two-component GRANULITE FLOOR Epoxy Marble Coating, after roughing the substrate and preparing it with an ECOPOXI PRIMER primer layer. Standard grain size from 0.6 to 1.2mm of aggregate, with a layer thickness of approximately 3mm. Finished with transparent GRANULITE FLOOR TOP protective varnish.

The Product must meet the following technical characteristics:

Adhesion to ASTM D4541 concrete: > 3.5 Mpa

Compressive Strength ≥ 27 N / mm²

Flexural Strength ≥ 12 N / mm²

Shore hardness: 81 at 7 days

Determination of slip resistance value (USRV). UNE-ENV 12633: 2003: CLASS III