ECOLANIC®

COLORED EPOXY PAVEMENT COATING

100% solid

ECOPOXI FLOOR

Ecopoxi Floor A

Ecopoxi Floor B

Description and uses:

Description

Ecopoxi Floor, high performance 100% solid two-component epoxy resins, for coatings on concrete pavements.

Fields of application

Treatment of industrial floors to obtain protective layers for dust, oil, wear. Colored treatment of industrial floors subject to heavy pedestrian traffic and vehicular traffic with rubber wheels.

Properties:

- Smooth satin or shiny surface, easy to clean and decontaminate.
- High color tone and pigment content.
- Layers of paint 180 microns thick.
- Good mechanical characteristics and resistance to wear (intense pedestrian traffic and vehicular traffic on light and medium type rubber).
- Limited odor.
- Excellent adherence to concrete and mortar supports.
- Waterproof.
- High resistance to chemicals, oils, fats, fuels and washing with detergent.
- Application temperature from + 15ºC to + 35ºC.
- Temperature resistance from - 20ºC to + 60ºC.

Cautions:

Always apply our Ecopoxy Primer as a primer coat. Ecopoxi Primer must not be used in humid places (supports in direct contact with the ground without vapor barrier). For wet substrates and / or in direct contact with the ground without a vapor barrier, the Ecopoxi Primer W formulation must be applied.

Packaging:

Combined containers of 11.90 Kg. (Part A 10kg Part B 1.9kg)

ECOPOXI FLOOR

Application rules

How to use

Preparation of the substrate:

Before putting the Ecopoxi Floor on site, the surfaces must be: healthy, homogeneous and once the mechanical preparations have been carried out by means of: light abrasion or shot blasting, the resistance to surface traction of the floor must be> 1.5 Mpa.

Before applying Ecopoxi Floor, apply an Ecopoxi Primer primer to ensure adhesion.

On new surfaces, it is always necessary to eliminate the surface grout and achieve a rough surface to increase, in the contact area, the adhesion surface.

Old surfaces must be prepared, freeing them dry from surface contamination.

Preparation of the product:

Ecopoxi Floor, comes in containers with the appropriate proportions for mixing the two components (base and hardener), which will be mixed, at the time of use, with an electric mixer and which will be applied with a roller in two layers, as presented and without being diluted.

In no case are partial mixtures recommended.

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.

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

Application steps

Modo de empleo

Product application:

Ecopoxi Floor, is not suitable for outdoor applications.

It is distributed on the surface, with the help of a brush and / or roller, so that it homogeneously and completely impregnates the support.

In the case of airless applications, use equipment with 0.021 "- 0.025" injectors, pressures around 200 bar.

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

Consumption:

Consumption depends on the state of the support. Normal consumption is 250 - 300 gr./m2 per applied layer.

Tools and cleaning:

Roller (foam, fiber), airbrush or airless gun, brush or brush. In a fresh state, clean the tools with Ecolanic Solvent.

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Technical data and chemical resistance

TECHNICAL DATA (CHARACTERISTIC VALUES)

PRODUCT IDENTIFICATION DATA

Colors: Gray 7001 Red Oxide Green 6010

Viscosity: 750 – 850 mpa.s

Specific weight: 1,57 ±0,05 gr./ml ± 0,1 temp. 20ºC

Adhesion to concrete ASTM D4541: > 3,5 Mpa

Compressive strength: 27 – 30 N/mm2

Compressive modulus: 1.650 N/mm2

Tensile strength: 13 – 14 N/mm2

Elongation: 10% + / -

Flexural strength : 12 – 17 N/mm2

Shore hardness: 81 at 7 days

Solid content: 100% by weight

APPLICATION DATA

Dilution ratio: A 84% B 16%

Pot life at 20ºC: Between 35 and 45 min

Application temperature: Between 5ºC and 35ºC

Passable: 12 hours with 20ºC

CHEMICAL RESISTANCE

300 hour tests at 20ºC

INORGANIC ACIDS AND BASES

- Oxygenated Water 20% +
- Hydrochloric Acid 75% +
- Tartaric Acid 20% +
- Sodium Hypochlorite 75% +
- Sulfuric Acid 40% +
- Chromic Acid ±
- Nitric Acid (*) 10% +
- Sosa Cáustica Conc. +
- Caustic Soda Conc +
- Ammonia (*) 25% +

OILS

- Taladrina +
- 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 +
- Tricolore Ethylene-Methanol ±
- Ethanol ±
- Ethylene Acetate ±

Meaning of symbols:

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

Note: ECOLANIC reserves the right to change any data without prior notice, if it deems it necessary.

Last update: 12-06-2020

Features and specification

SAFETY AND HYGIENE INFORMATION
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.

STORAGE CONDITIONS
The shelf life of the material is 12 months from the date of manufacture provided it is kept in a dry place and protected from the weather.

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.

TECHNICAL SPECIFICATION

Apply two coats of high-performance, 100% solid two-component epoxy resins for coatings on ECOPOXI FLOOR concrete floors by Ecolanic or equivalent, after preparing the substrate by mechanical grinding and applying ECOPOXI PRIMER primer by Ecolanic or equivalent.

The product must meet the following requirements:
Adhesion to ASTM D4541 concrete: > 3.5 Mpa
Compressive strength: 27 - 30 N / mm2
Compressive modulus: 1,650 N / mm2
Tensile strength: 13 - 14 N / mm2
Elongation: 10 % + / -
Flexural strength: 12 - 17 N / mm2
Shore hardness: 81 at 7 days
Solid content: 100% by weight