

Technical Datasheet

PAVIMYC SELF-LEVELING 2/C

JUNO

Product Code: 07897 Flooring

DESCRIPTION

PAVIMYC SL is a two component self-leveling epoxy coating, formulated based on modified and pigmented epoxy resins. End product is a combination of aggregates of selected controlled granulometry, catalyzed with a mixture of aliphatic and aromatic amines giving a highly abrasion and chemical resistant, watertight, seamless finish.

USE: INTERIOR

Applied on concrete and other cement-based substrates giving excellent flexibility, hardness and resistance. These characteristics make PAVIMYC a product especially indicated for the treatment of concrete pavements in an industrial and aggressive environment subjected to intense traffic, chemical attacks, heavy-duty cleaning procedures and cleaning agents, etc. In general applicable on all types of industrial floors, both new and old.

PROPERTIES

- Bending-traction resistance: 88 kg / cm² S/N as per UNE 53316:2012
- Compressive strength: 230 kg/cm²
- High mechanical resistance to abrasion and wear, persistent hardness.
- Thermal resistance: approx. from -20° C to + 90° C,
- High adhesion on various substrates.
- Adhesion to concrete: greater than 25 kp/cm² S/N as per UNE 53991:2011 IN and Pull-off test for adhesion (ISO 4624:2002)
- Easily washable, waterproof
- Solid colors, highly decorative
- Excellent resistance to chemical and environmental products, oils, greases, etc.
- Prevents premature deterioration of concrete and dust from it
- Great penetration capacity and excellent adhesion.

Finish: Gloss

Colour: RAL colours

Specific weight approx: 1,5 g/cm³

Drying time: Hard in 5 hours. Total drying 24 hours

Minimum repaint time: 24 hours

Recommended thickness (dry): 300 microns

Thinner: Do not dilute

Consumption: 1 m²/kg

Mixture volume solids: 80% aprox

Mixture flash point: Not flammable

Mix ratio A/B in weight: 5 : 1

Mixture potlife: 30 minutes

Rel Humidity: Max. 70%

VOC Content: Máximo 100 g/l

07897 RAL COLOURS



Format: 6 / 12 Kg

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SURFACE PREPARATION

CEMENT AND CONCRETE SURFACES.

Wait until fully set (min. 1 month). The surface must be completely dry. As a general rule, surfaces must be firm, dry and clean with a minimum tensile strength of 15 kg / cm² and a compressive strength greater than 25 N / mm². Always check the humidity of the substrate before application (it must be less than 4% at a depth of 2 cm).

Remove grease and rubber stains with solvents or detergents, then rinse the detergent with water.

Use shot blasting and milling if they do not disappear.

Grout and curing agents should be removed by shot blasting and milling, subsequently vacuuming the resulting dust, to obtain a rough surface free of foreign materials.

The surface to be painted must have sufficient roughness to ensure adhesion. It is convenient to carry out a preliminary test in a representative area (1m²) to ensure compatibility and proper adhesion.

In order to increase anti-slip effect, quartz sand can be sprinkled, over the first layer once its dry. Sweep the surface to eliminate any surplus non-adhering sand. Then proceed to apply the second coat.

APPLICATION

Stir the product well until completely homogenized.

Apply on consistent, clean surfaces, free from efflorescence (saltpeter) and mould.

PREPARING THE MIX.

PAVIMYC is presented in two components, which contain separately and in stoichiometric proportion the base component with color and the colorless hardener. The two components must be mixed with a drill whisk at slow speed for approximately 3 minutes until the product is completely homogenous. Then add comp. C to the mix (quartz sand), and stir until the product is completely homogenous. **(see further instructions below)**

Do not use product after its 30 minute potlife - once both components are inter-mixed.

ENVIRONMENTAL CONDITIONS. During the application and the curing process the temperature must be kept between 10°C and 30°C.

Relative humidity must not exceed 70%. There should be no rising damp. The temperature of the substrate must be at least 3°C above the dew point. Avoid condensation. Do not apply with risk of rain or strong wind.

APPLICATION METHOD. Brush, gun or notched trowel. If it is necessary to dilute for spray application, use solvent D-90 (Cod 50.010).

CLEANING. Clean the work material with solvent D-90 (Cod 50.010).

SELF-LEVELING PRODUCT: INSTRUCTIONS

1.- Apply the product on a clean and dry surface, removing grease, dust and any badly adhered substance.

The surface must be consistent, in case of doubt a preliminary adhesion test must be carried out.

2.- Mix the two components of Pavimyc in the proportion that is sent together with the quartz sand:

10 kg of Component A + 2 kg of Component B + 10 kg of quartz sand

Homogenize the mixture well and apply using a leveling rake or a v-toothed spattle in the desired thickness of at least 1 mm.

If necessary, a spike roller can be used to remove any air bubbles, finally passing with a bristle brush when the product is still wet.

Observations:

Mixing must be done at the time of application. Once mixed, the product has a potlife of approximately 30 minutes.

It is essential that the **mixing ratio of the two components (A: B) is always maintained (5: 1)**

It is essential to always maintain this proportion in components A and B.

The proportion of the sand (**Component c**) can vary, depending on the thickness that is desired.

Use gloves for handling as the product adheres strongly to the skin and comes off with great difficulty. Cover the containers of each component after use as they dry very quickly with the humidity of the air.

Performance of self-leveling mortar:

From 2 to 3 kg/m². Depending on the state of the surface and the sand added, **thicknesses of up to 4 mm** can be achieved. These data are theoretical since it is necessary to consider porosity, roughness, unevenness, etc. of each surface.

SAFETY AND ENVIRONMENT

Solvent based products must be applied with good ventilation and with the necessary protection measures. Avoid sources of ignition. Minimize product waste by estimating the amount needed, taking into account the m², porosity and the surface texture.

Store the excess material in a ventilated and dry place. The container must be clean and of adequate size for the amount of product left over. Close containers carefully and keep upright to avoid spills.

Preserve the containers from frost, high temperatures and direct exposure to the sun. Do not eat, drink or smoke during the preparation and application of the product. Surface preparation and application operations must be carried out with the corresponding safety measures.

For more information, consult the Safety Data Sheet. In case of contact with eyes wash with clean and abundant water. Keep out of the reach of children. Do not discharge into drains or the environment. Dispose to an authorized waste collection point. Consult your town hall about the correct recycling of both the container and waste and leftovers of paint according to law and principles of environmental respect.

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Below is observations of the behavior of the coating against the attack of different chemical products.

These results are expressed according to the following evaluations:

p = test determining the decrease in pendulum hardness, köning method.

d = permanent exposure test.

e = expected results of similar tests.

EVALUATION

++ Resistant, even to permanent attacks, based on those carried out.

+ Resistant to temporary attacks, not permanent.

- Not appropriate for long-lasting attacks.

| Chemical product | Test type | Classification | Chemical product | Test type | Classification |
|---|-----------|----------------|-------------------------------|-----------|----------------|
| Liver oil | P | ++ | Lacquer benzine | D | ++ |
| Linseed oil | P | ++ | Benzol | D | ++ |
| Olive oil | P | ++ | Butanol | P | + |
| Castor oil | P | ++ | Butylacetate | P | - |
| Silicone oil | P | ++ | Butileter | P | ++ |
| Mineral oil | P | ++ | Lime | E | ++ |
| Vegetable oil (general) | P | ++ | Sodium carbonate | E | ++ |
| Acetone | P | - | Beer | P | ++ |
| Acetic acid 5% | D | - | Cyclohexane | P | ++ |
| 10% acetic acid | P | - | Chloroform | P | - |
| 30% acetic acid | P | - | Methylene chloride | P | - |
| 60% acetic acid | P | - | 3% sodium chloride | P | ++ |
| 80% acetic acid | P | - | 30% Sodium Chloride | P | ++ |
| 3% boric acid at 30°C | D | ++ | Aviation Jet Fuel | E | ++ |
| Citric acid 30% | E | ++ | Dibutylphthalate | D | ++ |
| 5% hydrochloric acid | E | ++ | Diethylphthalate | D | ++ |
| 10% hydrochloric acid | D | ++ | Styrene | P | - |
| 20% hydrochloric acid | D | ++ | Ethyl acetate | P | - |
| 30% hydrochloric acid | P | + | Ethylene glycol | P | ++ |
| 37% hydrochloric acid | P | - | Phenol | P | - |
| Chromic acid 5% | P | ++ | 35% formaldehyde | P | ++ |
| Chromic acid 10% | P | ++ | Fuel-oil | E | ++ |
| Chromic acid 20% | P | ++ | Gasoil | P | ++ |
| Chromic acid 40% | P | ++ | Gasoline | P | ++ |
| 5% phosphoric acid | P | + | Glycerin | P | ++ |
| 10% phosphoric acid | P | + | Heptane | E | ++ |
| 20% phosphoric acid | P | - | Hexane | E | ++ |
| 45% phosphoric acid | P | - | Aromatic hydrocarbons | D | ++ |
| Concentrated phosphoric acid | P | - | Aluminum hydroxide | E | ++ |
| Fatty acid (from talol) | D | ++ | Potassium hydroxide | E | ++ |
| Lactic / Butyric / Acetic Acid (1% of each) | D | + | 10% sodium hydroxide | D | ++ |
| Nitric Acid 5% | P | ++ | 50% sodium hydroxide at 50°C | E | ++ |
| Nitric acid 10% | P | + | 16% sodium hypochlorite | P | + |
| Nitric acid 20% | P | - | 12% sodium chloride | P | + |
| Nitric acid 30% | P | - | 5% soap | P | ++ |
| Nitric acid 40% | P | - | Vegetable juice | P | ++ |
| Nitric acid 60% | P | - | Milk | P | ++ |
| Oxalic acid 10% | P | + | Hydraulic fluid Aerosafe 2300 | D | ++ |
| Sulfuric acid 5% | P | + | Hydraulic fluid Skydrol 500B | D | ++ |
| Sulfuric acid 10% | P | + | Lubricant | E | ++ |
| Sulfuric acid 20% | P | + | Butter | P | ++ |
| Sulfuric acid 30% | P | + | Viscose molasses | E | ++ |
| Sulfuric acid 40% | P | + | Methanol | E | - |
| Sulfuric acid 60% | P | + | Monochlorobenzole | P | - |
| Sulfuric acid 80% | P | + | Snow, slag snow | E | ++ |
| Fuming sulfuric acid Water at 100°C | E | - | 2 Nitropropane | P | + |
| Chlorine water | D | + | N-Propylacetate | E | - |
| Distilled water | D | ++ | N-Propylalcohol | E | - |
| 3% Hydrogen Peroxide | P | ++ | Perchlorethylene | P | ++ |
| Waste water (sewers) | P | + | Petroleum | P | ++ |
| Ethyl alcohol | D | - | Concentrated salt solution | P | ++ |
| 10% ethyl alcohol | D | ++ | Carbon tetrachloride | P | - |
| Isopropyl alcohol | E | + | Toluene | E | ++ |
| Amines (P. E. Dipropylenetriamine) | P | - | Turpentine | P | ++ |
| Ammonia 10% | P | ++ | Trichlorethylene | P | + |
| 25% Ammonia | P | ++ | Came | P | ++ |
| Glycol Antifreeze | E | ++ | Whiskey | E | - |
| Developing Bath diluted 1:10 | P | ++ | Xylene | P | ++ |
| | | | Grape juice | D | ++ |

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