

TECHNICAL DATA SHEET

PAVIMYC SELF-LEVELLING EPOXY

Code: 7897

JANUARY 2015

DESCRIPTION

Two-component epoxy based on polyamide and epoxy resins with excellent hardness and adhesion properties in mix with added aggregates. (Controlled Granulometry). Has high solid content. Ensures effective protection against carbonation of concrete. Good coverage and easy to apply product. Provides a smooth, shiny finish. Pavimyc offers high resistance to acids, alkalis and solvents, and provides erosion protection to concrete pavements exposed to heavy traffic chemical attacks, aggressive cleaning systems, etc.

USE: INTERIOR

Product widely used on concrete floors in: indoor car parks, garages, laboratories, chemical and pharmaceutical facilities, sugar and petrol refineries, electroplating, mechanical workshops, and in general for any type of old and new industrial floorings.

It prevents the premature damage of concrete and dust.

Suitable for sealing, waterproofing and protecting concrete pavements from a wide range of product leakages. It facilitates cleaning of any stain as long as they are superficial. It increases abrasion hardness and resistance. It boasts an excellent penetration capacity on concrete pores, which added the strong adhesive power of Epoxy resins gives it an outstanding anchorage. Easily cleaned and impermeable to water. Solid and highly decorative colors.

- Resistance to flexo-traction: 88 kg / cm2 S / N UNE 53316
- Compressive strength: 230 kg / cm2
- High mechanical abrasion and wear resistance Persoz hardness.
- Thermal Resistance: approx. -20 ° C to + 90 ° C,
- High adherence on various supports. Adhesion on concrete: greater than 25 kp / cm2 S / N 53 991 and UNE EN 24624

SURFACE PREPARATION

Floor Conditions: Surfaces must be dry, pavement humidity not exceeding 4%, measured at 2 cm deep.

Surfaces must be firm, with a minimal 15 kg/m2 traction resistance, and free from lime milk or grease and poorly attached parts.

Surface preparation must be done with special equipment by milling or grit blasting. Vacuum clean dust until thoroughly removed.

APPLICATION INSTRUCTIONS

Stir the contents ensuring complete homogenization.

Apply to consistent, clean, efflorescence-free (saltpeter) and mold-free surfaces. It is not advisable to apply the product onto humid nor excessively overheated surfaces. Product can be diluted depending on the porosity and state of the substrate.

MIXING. Pavimyc comes in two components, containing separately and in stoichiometric ratio a colored base component and colorless hardener. The two components must be homogeneously mixed before time of application.

Do not use the product after the given 30 min. of mixture potlife.

ENVIRONMENTAL CONDITIONS. During the application and curing process the temperature should be maintained between 10 ° C and 30 ° C. The relative humidity should not exceed 70%. No rising moisture. 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.

METHOD OF APPLICATION. Brush, spray gun or notched trowel. If necessary For spray application, dilute by using D-90 solvent (Cod 50,010).

CLEANING. Clean the working material with solvent D-90 (Cod 50,010).

DRYING TIMES BEFORE USE

Pedestrian traffic: 12 hours

Vehicle traffic: 7 days

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Finish: Gloss

Color: RAL COLORS

Mixture viscosity: Min. color 60" - Colorless 30-50" S/FR1002

Mixture density: Color 1.25 +/- 0.05 - Colorless 1.00 g/cc S/FR1001.

Drying time: To the touch: 5 hours. Second coat: Min. 24 hours

Solids in volume: (Color) 80%

Performance: 1m²/Kg. Recommended Thickness: 300 microns

Solvent: D-90. Do not dilute product.

VOC content: 100 g/l

Mixture flashpoint: Not Flammable

Mixed Potlife : 30 minutes

Relative Humidity Level: 70%

	WEIGHT
COMPONENT A	5
COMPONENT B	1

SHIPPING



Packaging: L
Shipping Weight:
Units per pallet:



Freight Classification:
Paint or paint related material. UN1263



Transport Information
Transport Hazard Class 3
(ADR/RID, IMDG, IATA) Packaaina Group III

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APPLICATION RECOMMENDATIONS FOR SELF LEVELLING EPOXY

1. Apply on a clean and dry surface by removing grease, dirt and any loose material/ substance. The surface must be consistent. In case of doubt, a test should be conducted.
2. Mix the two components (Pavimyc) in the proportion as given and add quartz sand to it in the following proportion: 10 kg of Component A + Component B 2 kg + 10 kg quartz sand
Homogenize the mixture well and then apply with a notched trowel, passing a wire brush while the product is still wet.

Observations:

The mixture should be carried out at the time of application.
Once mixed the product has a potlife of about half an hour.
It is essential that the mixing ratio of the two components (A: B) is always maintained (5: 1)
It is imperative to always keep that ratio of components A and B.
The proportion of sand can vary, depending on the desired thickness.
Wear gloves for handling as the product adheres strongly to the skin and is difficult to remove.
Close tins of each component after use as surplus remaining product dries very quickly in the presence of humidity.

Performance self-leveling mortar:

2 to 3 kg / m², depending on the state of the surface and the proportion of added sand. (up to 4 mm thickness can be achieved).
The performance figures are theoretical, considering the porosity, roughness, unevenness, etc. of a surface.

SAFETY AND ENVIRONMENTAL INFORMATION

Being a solvent based product, ensure that it is applied under conditions of good air ventilation, and by applying all necessary protective measures. Avoid any source of ignition.
Minimize product waste estimating the amount needed, taking into account m², porosity and texture of the substrate.
Store the excess material in a ventilated and dry area.

When stored ensure the tins are clean and that they are the right size for the amount of surplus product.
Close containers carefully and kept upright to any prevent leakage.
Keep products away from frost, high temperatures and direct sunlight.
Recycle unused products to void any harm to the environment.

Do not eat, drink or smoke during preparation and product application.
The operations of surface preparation and application must be made with the corresponding safety measures.
For more information check the Material Safety Data Sheet. (MSDS)
In case of contact with eyes, rinse with clean water. Keep out of the reach of children.
Do not discharge into drains or the environment.
Dispose of surplus product at an authorized waste collection point.
Contact your local council about the correct recycling of both the packaging and leftover paint.

CLEANING

Clean the splash and stains immediately with soap water or with an adequate solvent.
Clean tools after use (brushes, rollers, pencils, machines etc.) and let them dry before storing.
Consult your town council about the appropriate recycling method for the container, waste and excess paint, in accordance with the existing legislation and environmental protection principles.



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CHEMICAL RESISTANCE TABLE

We can observe the behavior of the coating to the attack of different chemicals.

These results are expressed as the following assessments:

p = test determining the pendulum hardness decreased, Köning method.

d = text permanent exhibition.

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 to long-term attacks.

CHEMICAL PRODUCT	TEST TYPE	CLASSIFICATION	CHEMICAL PRODUCT	TEST TYPE	CLASSIFICATION
Liver oil	P	++	Benzine lacquer	D	++
Linseed oil			Benzol	D	++
Olive oil	P	++	Butanol	P	+
Castor oil	P	++	Butylacetate	P	-
Silicone oil	P	++	Butyl ether	P	++
Mineral oil	P	++	Lime	E	++
Vegetable oil(General)	E	++	Sodium Carbonate	E	++
Acetone	P	-	Beer	P	++
Acetic acid 5%	D	-	Cyclohexane	P	++
Acetic acid 10%	P	-	Chloroform	P	-
Acetic acid 30%	P	-	Methylene chloride	P	-
Acetic acid 60%	P	-	Sodium chloride 3%	P	++
Acetic acid 80%	P	-	Sodium chloride 30%	P	++
Boric acid 3% at 30 ° C	D	++	Aviation fuel	E	++
Citric acid 30%	E	++	Dibutylphthalate	D	++
Hydrochloric acid 5%	E	++	Diocetylphthalate	D	++
Hydrochloric acid 10%	D	++	Styrene	P	-
Hydrochloric acid 20%	D	++	Ethyl acetate	P	-
Hydrochloric acid 30%	P	+	Ethylene glycol	P	++
Hydrochloric acid 37%	P	-	Phenol	P	-
Chromic acid 5%	P	++	Formaldehyde 35%	P	++
Chromic acid 10%	P	++	Fuel oil	E	++
Chromic acid 20%	P	++	Gasoil	P	++
Chromic acid 40%	P	++	Gasoline	P	++
Phosphoric acid 5%	P	+	Glycerin	P	++
Phosphoric acid 10%	P	+	Heptane	E	++
Phosphoric acid 20%	P	-	Hexane	E	++
Phosphoric acid 45%	P	-	Aromatic hydrocarbons	D	++
Concentrated phosphoric acid	P	-	Aluminum hydroxide	E	++

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Fatty acid (tall oil)	D	++	Potassium hydroxide	E	++
Lactic / Butyric / Acetic acid (1% each)	D	+	Sodium hydroxide 10%	D	++
Nitric acid 5%	P	++	Sodium hydroxide 50% at 50°C	E	++
Nitric acid 10%	P	+	Sodium hypochlorite 16%	P	+
Nitric acid 20%	P	-	Sodium chloride 12%	P	+
Nitric acid 30%	P	-	Soap 5%	P	++
Nitric acid 40%	P	-	Vegetable juice	P	++
Nitric acid 60%	P	-	Milk	P	++
Oxalic acid 10%	P	+	Hydraulic Liquid Aerosafe 2300	D	++
Sulfuric acid 5%	P	+	Hydraulic Liquid Skydrol 500B	D	++
Sulfuric acid 10%	P	+	Lubricant	E	++
Sulfuric acid 20%	P	+	Butter	P	++
Sulfuric acid 30%	P	+	Treacle (Viscous)	E	++
Sulfuric acid 40%	P	+	Methanol	E	-
Sulfuric acid 60%	P	+	Monoclorobenzol	P	-
Sulfuric acid 80%	P	+	Snow, snow slag	E	++
Fuming sulfuric acid	E	-	2 Nitropropane	P	+
Water @ 100°C	D	+	N-propylacetate	E	-
Chlorine water			N-Propilalcohol	E	-
Distilled water	D	++	Perchlorethylene	P	++
Hydrogen peroxide 3%	P	++	Petroleum	P	++
Wastewater (sewage)	P	+	Concentrated saline	P	++
Ethyl alcohol	D	-	Carbon tetrachloride	P	-
Ethyl alcohol 10%	D	++	Toluene	E	++
Isopropyl alcohol	E	+	Turpentine	P	++
Amines (P. E. Dipropylenetriamine)	P	-	Trichloroethylene	P	+
Ammonia 10%	P	++	Wine	P	++
Ammonia 25%	P	++	Whiskey	E	-
Glycol Antifreeze	E	++	Xylene	P	++
Photo Development Liquid diluted 1:10	P	++	Grape juice	D	++

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