

ADINGPOKS-1PV

A two-component, low viscosity, epoxy pre-coat for wet concrete substrates

Field of application:

Pre-coat – primer for all epoxy systems. Impregnation of concrete surfaces or cement mortar surfaces. Applied in substrates that have high moisture content during the time of application of the epoxy coatings. Low viscosity material for injection or grouting of cracks in concrete elements. ADINGPOKS 1PV is applied as part of the system for treatment of footpaths on bridges in combination with ADINGMARKER-P methacrylates resin-based finishes.

Properties:

- Transparent, two-component, low viscosity epoxy resin;
- Excellent adhesion to dry and wet substrate;
- High penetration;
- Resistance to negative water pressure;
- Waterproof and watertight;
- Resistant to bacteria;
- Good resistance to weak acids, salt solutions and mineral oils;
- Resistant to crude oil and petroleum products;

Technical features:

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|---------------------------------------|-------------------------------|
| Type: | Low-viscosity epoxy resin |
| Density | 1.05 – 1.15 g/cm ³ |
| Mixing ratio: | A : B = 2.0 : 1.0 |
| Workability at temperature T= 20-25°C | 34 – 45 minutes |

Substrate preparation:

New concrete substrate

ADINGPOKS 1PV can be applied on newly placed concrete; however, the process of concrete setting must be completed first. The newly placed concrete substrate must be free from the presence of water and laitance.

Old concrete substrate

The substrate should be sound, grease-free and dust-free in order to achieve good adhesion. Laitance should be removed mechanically. The grease and dirt penetrated in the substrate should be removed with detergents or special preparations for that purpose. Any damages of the substrate should be repaired by using appropriate materials from the product range of ADING.

Health hazards: Avoid contact of the product with skin and eyes, as well as direct inhalation while mixing the A component and B component. In case of accidental contact with the skin, the product should be immediately removed by using a dry towel or a towel slightly soaked with Solvent-P, and afterwards the spot should be thoroughly washed with clean water and soap. If the material splashes into the eyes, immediately rinse the eyes with clean water and seek medical advice. It is necessary to ensure proper ventilation of the premises in which resins and solvents are used.

Fire: Adingpoks 1PV and Solvent-P contain flammable solvents. They must not be used near open fire and it is not allowed to smoke during the application.

Cleaning and disposal: Loose residues of Adingpoks-1PV should be cleaned with Solvent-P. The old and used packaging should be disposed of in accordance with the local rules and regulations for that type of waste. We recommend that the method of application and the necessary quantities should be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment.

Application:

Before mixing component A and component B together, they should be stirred individually. The material is prepared by mixing the two components together with a slow electric mixer (300 to 500 revolutions/minute) until a completely uniform mixture is obtained. The quantity of the material that is mixed should be in compliance with the workability period of the material.

The material should be applied evenly by using a hard brush for rubbing the material into the substrate. In highly porous substrates, it may be necessary to reapply primer. When applying the material, the temperature of the substrate and the ambient temperature should be between +10°C and +30°C and the relative air humidity should be < 70%.

Consumption:

For one layer: 0.2 – 0.3 kg/m²

Cleaning:

The tools and equipment should be cleaned with Solvent-P immediately after their use.

Packing:

In sets (A + B component) of 3.3 kg
(A component – 2.2 kg and B component – 1.1 kg)
In sets (A + B component) of 19.5 kg
(A component – 13.0 kg and B component – 6.5 kg)

Storage:

In a dry area, in original, closed packaging, at temperature between 10°C and 30°C, protected from exposure to direct sunlight.

Shelf life: 9 months.