

ADINGPOKS-TER

Two-component epoxy-tar-based anti-corrosive coating for protection of concrete and metal surfaces

Field of application:

It is used for chemical, mechanical and anti-corrosive protection of concrete and metal structures, pipelines, reservoirs for oil and oil derivatives, propane-butane reservoirs, especially safeguarded tanks, waste water reservoirs, manholes, canals, electric power plants, wood dryers, embedded concrete and metal structures

Properties:

- Black two-component pastelike compound;
- High chemical resistance;
- Resistance to aggression of oil and oil derivatives;
- Excellent bond to concrete and metal surfaces;
- Protection of metal surfaces against corrosion;
- Bacteriologically resistant;
- Water-repellent and watertight;
- Simple for application;
- Easy for maintenance;

Technical features:

Mixing ratio:	A:B=4.5 : 0.9
Bulk density:	1,3 g/cm ³
Minimum temperature of setting:	> 8°C
Workability time:	
10 °C	120 min.
20 °C	90 min.
30 °C	45 min.
Application of subsequent coating at 23°C:	12 hours
Completely hardened at 23°C:	3 days
Compressive strength:	> 70 MPa
Tensile strength:	38±3 MPa
Bond strength:	5±1 MPa
Electric resistivity:	1 X 10 ¹¹ Ωm
Temperature stability:	-20°C to 70°C

Substrate preparation:

Concrete surfaces

The substrate should be sound, dry, clean, cleaned of dust and grease. The concrete substrate should be waterproofed and safeguarded against penetration of water, in order to prevent separation of the coating, as a consequence of negative water uplift pressure. Adingpoks-TER is relatively thin coating and owing to that, and in order to obtain a good final appearance, it is necessary for the substrate finish to be of fine texture. Concrete should have matured for minimum 28 days, should have a minimum compressive strength of 25 MPa and should not contain moisture higher than 5,0%. Working joints, cracks and damages should be treated with epoxy sealant Adingpoks-K.

Metal surfaces

The substrate should be sand-blasted to a degree of cleanliness of SA 2½ and should ensure roughness of the substrate of 50-75µ. The application of ADINGPOKS-TER should be carried out as fast as possible, before the surface begins to corrode again.

Application:

The substrate which is treated, should be primed with Adingpoks-1P (in case of a steel substrate there is no need for priming the substrate). The application is performed with a hard brush by means of which the material is being pressed into the substrate. In cases of more porous substrates a need may arise for repeated priming. The primer should be allowed to partially set, prior to passing on to the application of Adingpoks-TER. The components A and B are mixed by means of a slow mixer until achieving complete homogenization. The material could be applied with a brush, roller or mechanically by spraying. The second layer of Adingpoks-TER is applied after drying out of the first layer (usually 12 to 18 hours). The time for application of the second layer depends on temperature conditions. The substrate temperature at the application should be from 10°C to 30°C. The drylayer thickness of the two coatings amounts to 300 to 350 µ.

Consumption:

ADINGPOKS-TER
for two coatings: 0,45 to 0,50 kg/m²
ADINGPOKS 1P (primer): 0,3 to 0,4 kg/m²

Cleaning:

The tools and equipment are cleaned with Solvent-P, immediately after use.

Packing:

In sets of 5,60 kg.

Storage:

In original closed packing, in dry premises, at a temperature from 5°C to 30°C, protected against direct exposure to sun. Shelf life 12 months.

Health hazard:

It is necessary to avoid contact of the product with the skin or eyes, as well as direct inhalation during mixing the components A and B. In an accidental contact, the product should be immediately removed with a dry towel or towel slightly wetted with Solvent-P and then those spots should be well washed with pure water and soap. If the material has been splashed into eyes, they should immediately be rinsed with pure water and medical assistance should be asked for.

It is necessary to provide ventilation of the premises where work with resins and solvents is performed.

Fire:

Adingpoks-1P, Adingpoks-TER and Solvent-P contain flammable solvents. They should not be used in the vicinity of some open fire or smoking during placement.

Cleaning and discarding:

Loose residues of Adingpoks-1P, Adingpoks-TER are cleaned with Solvent-P. The old and used packing should be discarded in accordance with the local relevant regulations for that kind of waste.

We recommend for the application and the required quantities to be adjusted to the conditions of work as well as obligatory use of appropriate equipment.