

ADINGSTATIK SP

Two component electrically conductive primer on an epoxy-water base for electrostatic coatings and self levelling systems

FIELD OF APPLICATION

Electrically conductive water-based epoxy primer used for grounding electricity in rooms where is generated static electricity. It is used as a primer for Adingstatik 1 and Adingstatik 2 systems. It is used in production halls for electronic equipment, computer centers, operating rooms, electronic laboratories, production plants and warehouses for paints, varnishes and solvents, production plants and warehouses for explosives and flammables materials etc.

PROPERTIES

- Electrically conductive,
- Excellent adhesion to the substrate,
- Waterproof,
- Impervious to water.
- Contains no solvents,
- Simple to apply,
- Bacteriologically resistant,
- Non- toxic when cured;

TECHNICAL FEATURES

| PROPERTY | METHOD | DECLARED VALUE |
|---|---------------|--|
| | | A component: white viscous liquid B component: black viscous liquid |
| Appearance | | |
| Mixing ratio | - | A:B = 1,0:2,1 |
| Density | EN ISO 2811-1 | A+B = 1,14-1,21g/cm ³ |
| Pot life on 20-25°C | EN ISO 9514 | 120-150min |
| Adhesion to the substrate | EN 1542 | ≥ 2MPa |
| Drying time(Touch dry)of a film of 100μ at T=20-25 C° | - | 75-85 min |
| Drying time(Hard dry)of a film of 100μ at T=20-25 C° | - | 6-8h |
| Mechanical use for light traffic, on 20°C | - | after 3 days |
| Mechemical use for heavy traffic, on 20°C | - | after 7 days |
| Substrate and air temperature during application | - | 10-30 C° |

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate for application must be sound, dry, clean, free of dust, grease and condensate. For industrial flooring it must be waterproofed, in order to prevent separation of the final coating as a consequence of negative hydrostatic pressure. The moisture of the substrate must be lower than 7%, the temperature during the application between 10-30°C and the relative air humidity must be lower than 70%, to prevent condensation on the substrate for application. The application on substrate with water condensate can result

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with unequally change of the coating color, lose the gloss or show spotting. Despite these negative effects the physical and chemical characteristics of the coating would not change.

New concrete substrate

Concrete must be cured at least 28 days, the compressive strength must be over 25 MPa and the structural substrate moisture must be less than 7%. Cement laitance, mortar, stains of paint and grease must be removed. Finally the substrate should be cleaned of dust using industrial vacuum cleaner.

Old concrete substrate

In order to achieve an excellent adhesion to the substrate, it must be sound and clean. The cement laitance should be removed mechanically. Penetrated grease and dirt into the substrate should be removed using detergents or special agents. All cracks and damages of the substrate must be repaired using suitable materials.

Old epoxy substrate

The surface should be treated with sandpaper and it must be clean of dust using industrial vacuum cleaner.

APPLICATION

The substrate to be treated must be pre-coated with Adingpoks 1P or Adingpoks 1PV (epoxy substrates do not require pre-coating). Apply Adingstatik SP on the substrate using fur roller.

Mix A and B component of Adingstatik SP separately 3-4 minutes using slow mixer (up to 300-500 rotations/minute). Then add A component into B with mixing ratio A:B = 1:2.1 and mix until it homogenize. The application of the epoxy coating must be applied during the pot life of the product. The temperature of the substrate must be between 10-30°C and the relative air humidity must be lower than 70%.

CONSUMPTION

Adingpoks 1P or Adingpoks 1PV: 0.15-0.25 kg/m²

Adingstatik SP (A+B) : 0.10-0.12 kg/m²

CLEANING

Clean tools and equipment right after the application, using water.

PACKAGING

Sets A+B: 15.5 kg

A component: 5.0 kg

B component: 10.5 kg

STORAGE

In the original, closed packaging, placed in dry rooms at temperature between 10°C and 30°C. The product must not be exposed to direct sunlight and freezing. Shelf life: 9 months.

STANDARD COLOURS

RAL9004.

Health hazards: Avoid contact of the product with skin and eyes, as well as direct inhalation when you mix the components. In case of accidental contact, the product should be removed immediately with dry towel or mildly wetted towel with Solvent P. Then, wash the spot with pure water and soap. If the material has been splashed into eyes, immediately rinse it with pure water and call for medical help. Ventilate the room where you use resins and solvents.

Fire: The product is not flammable.

Cleaning and disposal: Loose residues of Adingstatik SP are cleaned with water. The old and used packing should be discarded in accordance with the local relevant regulations. We recommend that the method of application and the necessary quantities should be adjusted to the conditions on site, as well as mandatory use of appropriate equipment. Additional information is provided in the Product Safety Data Sheet.