

General application manual of

reflective insulating coatings



*Reflective insulation
coatings*



Downloads

Coating substance preparation

When the bucket is opened, the coating substance may appear thick and dense with prolonged storage. A crust of microspheres is formed on the surface. This is because the microspheres have risen above the water dispersion due to storage. Always mix the entire package before use. If the coating substance remains on the edge of the bucket during mixing, wipe it off with a spatula and mix it with the other coating to prevent it from sticking to the walls.

Mix the coating substance with a classic mixer on a drill - square for better and faster mixing. Mixing can take up to several minutes. Always start mixing from the bottom up. The final stirred spread is consistent, with no lumps - like very thick Greek yogurt.

By mixing the coating well, the binder, microspheres and other components are bonded together. Stir the primer so that no sediment remains in the bottom of the bucket.

The dilution of the individual products is always described in the Product Data Sheets and must be observed.



Ideally, the coating substance should be applied with Airless equipment with a minimum flow rate of 4.3 litres/min... Always remove all filters and strainers contained in the Airless equipment. The main suction filter, the spray gun filter and the centre filter, or any other filter that the equipment contains!

General surface preparation

Surface preparation is the second most important aspect of coating. Preparing the surface sometimes takes more time than the actual application of the coating substance. Cleaning, removal of inconsistent surfaces and careful degreasing then guarantee a perfect result.

The surface must be free of loose elements, dry, firm, free of oil and grease stains, free of dust, mould, salts, rust and old incoherent paints. The surface must be perfectly hardened and structurally uniform.

Before applying the coating substance, the surface must be fully cured. Apply to fresh plaster after it has dried completely.

It is always necessary to read the Technical and Material Data Sheet of the product and to prepare the surface according to the surface where the application will take place.

Application

During application, no more than 1 mm of the coating substance thickness shall be applied wet. Applying a thick layer would affect the functionality and properties of the coating substance, while also causing cracking. The coating will not be able to dry in its centre and will not 'insulate'. In industries where it is necessary to reduce the surface temperature of the equipment, individual coats should be applied after the previous coat has dried. Depending on the ambient environment, equipment temperature, etc., apply individual coats according to the Product Data Sheet.

Coatings can be applied with a roller or brush. Depending on the surface we recommend to test which roller is the most suitable. According to the chosen roller, a smooth or textured surface can be achieved.

Recommended work equipment

- Synthetic fibre **brush**.
- **Roller** Flockable or made of coarse foam.
- **Airless device** with a minimum flow rate of 4.3 l/min.
- **Means for cleaning the surface before coating** - suitable thinner or degreasing agent - to remove grease.
- **Sandpaper or sanding equipment** - to remove dirt or rust.
- **Means for removing old or incoherent paint** - wire brush, sandpaper, paint remover.

Additional means for surface cleaning and coating substance preparation - spatulas for removing old paint or applying sealant; cleaning material - thinner, cleaning agents, rags, degreasers and other necessary tools and means for proper application.

Cleaning tools

Water - as soon as possible after use.

Warning

Failure to follow the coating application procedure may result in insufficient polymerization of the coating and thus affect the properties and functional characteristics of the coating. The information given, especially the advice for the processing and application of the coating, is based on experience with practical applications under standard conditions and proper storage and use. The applicator must examine the coatings to ensure that they are suitable for the intended purpose of application. The latest edition of the application instructions and product data sheet should always be followed.

Before applying individual products, it is necessary to read the Technical and Safety Data Sheets of each product.

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