

## TPH 1K Waterproofing 105

### Properties:

TPH 1K Waterproofing 105 is a single component, polyurethane based, high solid containing coating material for water insulation purposes. The product is produced from UV stable raw materials, therefore can safely be used outdoors. It is supplied in ready to use form, can be directly applied on concrete substrates or on polyurethane coatings as protective coating. It has excellent adhesion properties, it is stable against de-polymerisation and resistant to UV rays. Has excellent resistance to aging and adverse weather conditions. It is an easy to use, thixotropic and elastic product. It forms a bridge over the hairline cracks in the substrate.

### Typical Use:

Used as water insulation and protection coating in building industry. Generally used on terraces, north facing facades of buildings, balconies, rain gutters and plant pots made from concrete, as well as indoors; where easy cleaning in wet areas is required, such as industrial kitchens.

### Substrates:

Concrete, screed, stone, brick, rock, wood, plaster and similar construction materials, 1K or 2K polyurethane coatings, as well as PVC type plastic materials, tests should be realized before-hand.

### Technical data:

- Colour : beige, grey, white, and pastel colors
- Consumption: depending on thickness required, 0,300-0,350 g/m<sup>2</sup>
- Drying : depending on relative humidity and temperature, in 12-24 hours
- Re-coat time: around 10-12 hours
- Density(25°C) : 1.24±0.02 g/cm<sup>3</sup>
- Viscosity(25°C) : 2000±500 mPas
- Elongation: 220 % (20°C)
- Service temperature: -25, +90 °C
- Vapor impermeability: m=29,000
- Pull-off test: 9,19 Kgf/ cm<sup>2</sup>
- Shear strength: 75,6 Kgf/ cm<sup>2</sup>
- Contents : The coating contains mixtures of polyethers and polyesters, pigments, isocyanate and fillers.
- Storage : Can be stored for 6 months in original container, below 35° C and above freezing point.
- Packaging : 1 kg, 5 kg and 20 kg cans.

**Processing:**

**Technical hints**

All equipment must be cleaned with solvent immediately after use. Use of protective rubber gloves are recommended.

**Pretreatment**

The substrates to be coated must be absolutely dry, free of loose particles, oil, grease and other defilements. Application of suitable primer is recommended on all types of substrates, especially when the substrate's has values below 1 N/mm<sup>2</sup>.

**Application**

Application of the material can be achieved by help of a brush, roller or spray gun. In this case the material has a pot-life of 6-8 hours depending on the relative humidity and temperature.

The applied surface must be protected from water/rain for at least 8-10 hours.

Avoid excessive thickness or application on wet surfaces, the product will react very fast, causing bubbles and insufficient water insulation.

Proper and as result successful use of our products is beyond our control. For this reason we can only guarantee the quality of our products within the framework of our Terms and conditions of sale and delivery, not, however, for their successful processing. All data and information in these instructions are based on the latest state-of-the-art technology, we expressly reserve the right to make modifications or adaptations to the development. The consumption data quoted by us can only be average experience values, deviations in individual cases are possible and can therefore not be excluded.

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