



# Technical Data Sheet

## HUMIDUR® PML Solvent Free Epoxy Coating

### Description

**Humidur®PML**, based on a two-component epoxy, is solvent free, free of coal tar and has a high resistance against crystallization. **Humidur®PML** contains modifying components which assure a good adhesion on steel as well as on concrete. The hardening of **Humidur®PML** can happen in the free atmosphere as well as under water. **Humidur®PML** has a tough flexible film with an excellent mechanical resistance and anti-corrosive qualities.

### Composition

A set of **Humidur®PML** consists of two components :  
- Component A : epoxy resin + abrasion resistant extenders + colour pigments.  
- Component B : polyamine hardeners + abrasion resistant extenders. The components are pre-dosed.

### Application

Extremely suitable product for the filling of unevennesses and pits in concrete surfaces as well as in corroded steel surfaces. It serves as an equalization of the surface, preceding the application of the protective Humidur® coating on these surfaces. The specific advantage is that Humidur® coating can be applied immediately wet in wet on the **Humidur®PML**, so that both systems can net.

### Preparation of the surface to be treated

If concrete : The concrete surface should be pure, homogenous and deburred. It should be free of dust, fungi, cement parts and soft or brittle parts. The best result is obtained by dry sandblasting.

If steel : The surface is sandblasted to a degree of Sa 2,5 of the ISO 8501-1 standard by means of sandblasting material such as sand, slag, corund, steel grains or cast iron grains. The sandblasting material should have sharp angles and be free of clay, oil, humidity, soluble salts or any other foreign object.

### Use

After both components have been mixed, **Humidur®PML** is applied with a spatula, a putty knife, silicone tube or a plasterer's trowel on a conformly prepared surface, so that an equal surface is obtained. On steel surfaces, this is best done within 2 hours after sandblasting at a surrounding temperature that is 1° higher than the dew point. After equalizing with **Humidur®PML**, Humidur® ML can be used as top layer wet-in-wet or after curing of the **Humidur®PML** layer.

### Cleaning of the equipment

Humiflush

### Specific Data

- Density
  - base*..... ± 1,54 kg/l (can vary with the colour)
  - hardener*..... ± 1,12 kg/l
  - mixture*..... ± 1,45 kg/l
- Consumption..... depends on the surface that has to be equalized  
e.g. sandblasted concrete surface : ± 800 g/m<sup>2</sup>
- Shelf life 12 months in unopened pails stored at max. 25°C in a dry place.