



Technical Data Sheet

HUMIDUR®E Solvent Free Epoxy Coating

Description

Humidur®E is a two-pack, solvent free polyamine cured epoxy system with outstanding rust resisting capacities. Binding agents contain modifying components, thus ensuring excellent adhesion of the coating to the substrate. Pigmentation consists of specially developed abrasion resistant extenders and colouring pigments. High molecular weight elastifiers are added to provide for sufficient flexibility. The resulting composition combines excellent adhesion, abrasion and impact resistance, and is at the same time hydrophobic. Thus enabling the product to cure at low temperatures, even while immersed. It can be exposed to water immediately after application.

Composition

Humidur®E is a two-component system. Both the A and B component are delivered predosed in separate packaging. The base or A component contains non-crystallizable epoxy resins, high-tech modifying agents, elastifiers, lamellar abrasion and impact resistant fillers, and colouring pigments. The B component contains the polyamine hardener complex.

Application

Humidur®E is an efficient and proven solvent free anti-corrosion coating designed to protect steel from corrosion. **Humidur®E** can be applied in one single layer up to thicknesses of 1 mm, depending on ambient temperature, using high-pressure airless spraying equipment. Adhesion onto the substrate is excellent, even when cured at low temperature and high humidity. **Humidur®E** is highly resistant to mechanical wear and immersion in mild chemicals and polluted waters. Since **Humidur®E** is faster curing than Humidur® ML and Humidur® ME and therefore a plural component spray pump needs to be used.

Important

This coating system should not be thinned

Specific Data

- Density @ 23°C
 - base*..... ± 1,50 g/cm³
 - hardener*..... ± 1,12 g/cm³
 - mixture*..... ± 1,41 g/cm³
- Solid content..... 100%
- Dry Film Thickness
 - should be considered per application area*
 - max. in 1 layer*..... 1000 microns
- Flash Point
 - mixture*..... over 120°C
- Covering capacity
 - theoretical @ 300 μ* ± 0,42 kg/m²
 - theoretical @ 400 μ* ± 0,56 kg/m²
- Mixing ratio A:B
 - by weight*..... 4,04 : 1
 - by volume*..... 3 : 1
- Min. overcoating time wet-in-wet
- Colours..... 25 different shades
- Shelf life..... 1 year in a dry place
- Thinning..... Adding thinner and/or diluants is under any circumstances **strictly forbidden**.