



Technical Data Sheet

HUMIDUR®ME Solvent Free Epoxy Coating

Description

Humidur®ME 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 specifically selected 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.

Composition

Humidur®ME is a two-component system. Both the A and B component are delivered predosed in metal pails. The base or A component contains non-cris-tallizable 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®ME is an efficient and proven solvent free anti-corrosion coating designed to protect steel as well as concrete structures from corrosion. **Humidur® ME** is particularly suitable for the protection of pipes and recipients for the production and storage of water.

Humidur®ME can be applied in one single layer up to thicknesses of 500 µm, depending on ambient temperature, using high-pressure airless spraying equipment. Overcoating if necessary can be done immediately on top of the previous clean **Humidur®** coat and does not need to be preceded by whipblasting. Adhesion onto the substrate as well as interadhesion between layers is excellent, even when cured at low temperature and high humidity. **Humidur®** has a high resistance against mechanical and chemical wear and especially against polluted water and mild chemicals.

Specific Data

- Density @ 23°C
 - base*..... ± 1,46 g/cm³
 - hardener*..... ± 1,06 g/cm³
 - mixture*..... ± 1,36 g/cm³
- Solid content..... 100%
- Recommended minimum dry film thickness 600 microns
- Flash Point
 - base*..... over 100°C
 - hardener*..... over 100°C
 - mixture*..... over 100°C
- Pot life
 - @ 23°C..... 45 mins
 - @ 30°C..... 35 mins
- Covering capacity
 - theoretical @ 300 µ* 0,41 kg/m²
 - theoretical @ 400 µ* 0,55 kg/m²
- Viscosity @ 23°C @ CSS750Pa
 - mixture*..... 6,3±1 Pas
- Mixing ratio A:B
 - by weight*..... 4,4 : 1
 - by volume*..... 3,2 : 1
- Min. overcoating time wet-in-wet
- Colours..... 25 different shades
- Shelf life..... 12 months in unopened pails stored at max. 25°C in a dry place.
- Thinning..... Adding thinner is under any circumstances **strictly forbidden**.