



Technical Data Sheet

HUMIDUR®RAML Solvent Free Epoxy Coating

Description

Humidur®RAML is an efficient and proven solvent free anti-corrosion coating designed to protect steel as well as concrete structures against corrosion.

Humidur®RAML 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. The 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.

Composition

Humidur®RAML is a two-component system. Both the A and B component are delivered predosed in metal pails. The A component contains non-cristallizable epoxy resins, high-tech modifying agents, elastifiers, lamelar abrasion and impact resistant fillers, and colouring pigments. The B component contains the polyamine hardener complex.

Application

Humidur®RAML can be applied in one single layer up to thicknesses of 150 µm, depending on the ambient temperature, using a paint brush or roller on an Sa 2 ½ blast cleaned surface (ISO 8501-1). Overcoating if necessary can be done immediately on top of the previous clean **Humidur®RAML** 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®RAML** is resistant to mechanical wear and immersion in mild chemicals and polluted waters.

The temperature of the surface and of the coating should be at least 20° C in order to obtain a properly coated surface.

Humidur®RAML also very well withstands gasoline, kerosine, ...

Specific Data

- Density @ 23°C
 - Component A..... ± 1,27 g/cm³
 - Component B..... ± 1,14 g/cm³
 - mixture..... ± 1,24 g/cm³
- Solid content..... 100%
- Dry Film Thickness
 - max. in 1 layer..... 150 microns
- Flash Point
 - Component A..... over 100°C
 - Component B..... over 100°C
 - mixture..... over 100°C
- Pot life
 - @ 23°C..... 45 mins
 - @ 30°C..... 35 mins
- Covering capacity
 - theoretical @ 150 µ ± 0,18 kg/m²
 - theoretical @ 300 µ ± 0,36 kg/m²
- Mixing ratio A:B
 - by weight..... 3,91 : 1
 - by volume..... 3,51 : 1
- Min. overcoating time wet-in-wet
- Colours..... 5 different shades : white, black, olive-green, blue, grey
- 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**.

The present edition of this technical data sheet replaces all previous ones. Specific data have been drawn up as accurately as possible and are based on our knowledge regarding the above mentioned product on 10/08/2009.

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