



Technical Data Sheet

HUMIDUR® BAML Solvent Free Epoxy Coating

Description

Humidur® BAML is a low-viscosity variant of the Humidur® ML system, intended for easier brush application. **Humidur® BAML** 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® BAML is a two-component system. Both the A and B component are delivered predosed in separate packaging. The base or 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® BAML is an efficient and proven solvent free anti-corrosion coating designed to protect steel as well as concrete structures from corrosion. **Humidur® BAML** can be applied in one single layer up to thicknesses of 200 µm, depending on substrate temperature, using high-pressure airless spraying equipment, a paint brush or a roller. Overcoating if necessary can be done immediately on top of the previous clean **Humidur® BAML** 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® BAML** is highly 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.

Specific Data

▪ Density @ 23°C	
<i>base</i>	± 1,33 g/cm ³
<i>hardener</i>	± 1,14 g/cm ³
<i>mixture</i>	± 1,29 g/cm ³
▪ Solid content.....	100%
▪ Dry Film Thickness	
<i>should be considered per application area. max. in 1 layer @ 23°C</i>	200 microns
▪ Flash Point	
<i>base</i>	over 100°C
<i>hardener</i>	over 100°C
<i>mixture</i>	over 100°C
▪ Pot life	45 mins
@ 23°C.....	30 mins
@ 30°C.....	
▪ Covering capacity	
<i>theoretical @ 300 µ</i>	± 0,38 kg/m ²
<i>theoretical @ 350 µ</i>	± 0,45 kg/m ²
▪ Viscosity @ 23°C	
@ CSS750Pa	3,5 ± Pas
<i>mixture</i>	
▪ Mixing ratio A:B	4,19 : 1
<i>by weight</i>	3,59 : 1
<i>by volume</i>	
▪ Min. overcoating time	wet-in-wet
▪ Colours.....	4 different shades : grey, green, white, black
▪ Shelf life.....	12 months in unopened pails stored at max. 25°C in a dry place.
▪ Thinning.....	Adding thinner and/or diluants is under any circumstances strictly forbidden .

Important

This coating system should not be thinned

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.

For more information, please contact : Acotec N.V., Industrielaan 8, Zuid III, 9320 Aalst (Erembodegem), Belgium, Phone +32 53 838660 Fax +32 53 836988.