



# EPOBUILD HB II

## General Description:

EPOBUILD HB II is two pack primer/topcoat based on epoxy resin. It is strong and highly rust – preventing primer when cured. It is highly recommended for application under extreme conditions, on damp steel surfaces and marine environment.

## Major Uses:

As a protective coating steel above and underwater. The cured material is chemical and abrasion resistant. Can be used alone or in combination with other topcoats. It gives excellent corrosion protection both in salt and fresh water

## Characteristics and Physical Properties:

Colour	Limited colour
Volume Solids	75% +/- 2
Specific Gravity	1.4 mixed
Flash Point	35 <sup>0</sup> C
Dft.	100 - 250 microns
Wft.	135 - 325 microns
Coverage	3 – 7.5 m <sup>2</sup> / lit.
Mixing Ratio	5 : 1
Pot Life	2-3 hrs.
<b>Drying Time @ 30 °C</b>	
To Dry	5 – 6 hrs.
Fully cured	7 days.
Recoating Interval	6 hrs. minimum 3 days maximum

## Surface Preparation:

### New - Steel:

Surface should be cleaned, free from oil, grease and other contaminants. It should be grit blasted to Sa 2 ½. If sandblasting is not possible, wire brushing or cold phosphate is recommended. The temperature of the substrate should be min. 10<sup>0</sup>C and 3<sup>0</sup>C min. above the dew point of the air. All damage of shop primer and contaminants from storage and fabrication should be thoroughly cleaned prior to final painting.

### Other metals, galvanized steel and alloys:

Thorough degreasing and light abrasive sweeping to remove all contamination and to provide proper adhesion.

### Maintenance:

Remove all traces of oil, grease, and other contaminants. Remove salt and other foreign matters by high-pressure fresh water, remove all loose debris and laitance by abrasive or by power tool blasting. Touch up to full film thickness.

## Mixing and application:

Mix component A and B as per specified mixing ratio. Empty components B to Resin A using mechanical mixer with low RPM. until both components are homogeneously, mix, allow mixture to stand for 5 – 10 minutes prior to application.

The minimum application temperature is 5° C.

All surfaces should be treated with EPOBUILD HB II. The first coat must be firmly applied into the surface, ensuring a uniform coating with a wet film thickness

not less than 200 microns. The first coat should be allowed to dry not less than 6 hours and not more than 18 hours at 20°C

The second coat should be applied as above, again achieving a wft. of 200 microns

<b>Spray Data</b>	
<b>Conventional Spray</b>	
Nozzle Orifice	2 – 3mm.
Nozzle Pressure	43 – 57 psi.
Dilution	5 – 10 %
Thinner	# 135
<b>Airless</b>	
Nozzle Orifice	0.38 – 0.46 mm.
Nozzle Pressure	1138 - 1710 psi.
Dilution	0 - 5%
Thinner	#135

#### Typical Recommended system:



EPOBUILD HB II	- 2 coats.
Masdur	-1coat.

EPOBUILD HB II	- 2 coats.
Epocoat – S	- 1 coat.

#### Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

*The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.*

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			<b>D-111/2004</b>

#### Packing:

Available in 4 lit. Set and 20 lit Set.

#### Storage:

Store in cool areas below 25°C. Shelf life of 12 months minimum in close container.

#### Physiological Hazards:

EPOBUILD HB II does not contain dangerous solvents. Nevertheless, good Ventilation in working rooms is recommended as well as the use of safety tools and equipment. The mixture, in its liquid state is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.