

General Description:

EPOCOAT HB is a solvent based, two-component epoxy system containing of epoxy resin and polyamide and amine hardener. It is formulated to provide high build coating and excellent resistance.

Major Uses:

EPOCOAT HB gives an excellent coating for steel structures, concrete and ideal for application of commercial, industrial and chemical plants.

Advantages:

- High build coating
- Chemical and abrasion resistant.
- Flexible and waterproof.
- Gives corrosion resistant to steel.
- Non – toxic when fully cured.
- Available in long range of colours.

Characteristics and Physical Properties:

Colour	RAL / APS
Mixing Ratio	3 : 1
% Solids (v)	70%
Flash point	22 ⁰ C
Pot life @ 25 ⁰ C	60 min.
Coverage	6 - 8 m ² /L
DFT	100 microns
Drying time @ 25 ⁰ C:	
Recoat	5 - 6 hrs.
Hard	12 -16 hrs.
Cured	7 days
Shelf life	12 months
VOC	360 g/L

Chemical Resistance:

HCl	Very good
Nitric acid, 10%	Good
Acetic acid, 5%	Good
Sulphuric acid, 20%	Good
Phosphoric acid, 20%	Good
Lactic acid, 20%	Good
NaOH, 50%	Very good
Petrol	Very good
Alcohol	Very good
Ketones	good

Surface Preparation:

Steel:

Surface must be clean, dry and free from dust, oil, grease and some foreign matters. Recommended methods for repairing steel are by Sa 2 ½ sandblasting, wire brushing and derusting.

Concrete:

Allow new concrete to cure for 28 days, and surface should be sound and no strange particles. Ensure that the surface to be coated is properly etched and washed before the application of adequate sealer prior to the application of EPOCOAT – HB.

Priming:

Steel surface should be primed with Epoprime Basecoat or Epobuild Primer ZP prior to applications of EPOCOAT – HB.

Concrete should be primed with 1 coat of Uniseal # 110 as a concrete conditioner prior to the application of EPOCOAT – HB.

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.

MAS PAINTS & CHEMICAL INDUSTRY

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

TEL NO: 009716 5311777; FAX: 009716 5311330

Website : <http://www.mas-paints.com>

Email : masuae@emirates.net.ae



Mixing and Application:

Mix component A and B at specified ratio ensuring they are complete homogenous. After thoroughly mix, allow the mixture to stand for 15 – 30 minutes. Apply either by brush, roller or airless spray gun.

Application method: Brush, roller, airless and conventional spray	
Spray Data	
Conventional Spray	
Nozzle orifice	2 – 3 mm.
Nozzle pressure	43 – 57 psi
Dilution	5 – 10%
Thinner	Thinner # 135
Airless	
Nozzle orifice	0.38 – 0.46 mm
Nozzle pressure	1138 - 1710 psi
Dilution	0 – 5%
Thinner	Thinner # 135

Cleaning of Tools:

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

Physiological Hazards:

Keep Resin and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling vapour.

Typical Recommended System:

Steel	
Epoprime Basecoat	1 coat
Epoprime HB	1 coat
EPOCOAT HB	1 coat
or	
Epobuild Primer ZP	2 coats
EPOCOAT HB	1 coat
Concrete	
Multi Etch Solution	1 coat
Uniseal # 110	1 coat
EPOCOAT HB	1 coat

Storage:

Keep resin and hardener in a cool place below 25⁰C. Keep the container tightly closed. Shelf life of 12 months minimum.

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.

MAS PAINTS & CHEMICAL INDUSTRY

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

TEL NO: 009716 5311777; FAX: 009716 5311330

Website : <http://www.mas-paints.com>

Email : masuae@emirates.net.ae

