

General Description:

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

| | |
|--------------------|-----------------------|
| Color | Any choice of colour. |
| Mixing Ratio | 3: 1 |
| Volume Solids | 70% |
| Pot Life @ 30°C | 1 hr. |
| Dry film thickness | 100 microns. |
| Flash Point | 22°C. |

Drying Time:

| | |
|------------|---------------------------|
| To Recoat | 5 – 6 hrs. |
| To Hard | 12 hrs – 16 hrs. |
| Cured | 7 Days. |
| Shelf Life | 1year. |
| Coverage | 7.0 m ² / lit. |

Chemical Resistance:

| | |
|-----------------------|--------------|
| Hydrochloric Acid | - Very Good. |
| Nitric Acid, 10% | - Good. |
| Acetic Acid, 5% | - Good. |
| Sulphuric Acid,20% | - Good. |
| Phosphoric Acid, 20% | - Good. |
| Lactic Acid, 20% | - Good. |
| Sodium hydroxide, 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.

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>

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Concrete:

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

Priming:

- Steel surface should be primed with Epoprime Basecoat / Epoprime HB (int. coat) 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.

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.

Method of Application:
By brush, roller airless and
Conventional Spray

Spray Data

Conventional Spray

| | |
|-----------------|--------------|
| Nozzle Orifice | 2 – 3mm. |
| Nozzle Pressure | 43 – 57 psi. |
| Dilution | 5 – 10 % |
| Thinner | # 135 |

Airless

| | |
|-----------------|------------------|
| Nozzle Orifice | 0.38 – 0.46 mm. |
| Nozzle Pressure | 1138 - 1710 psi. |
| Dilution | 0 - 5% |
| Thinner | #135 |

Typical Recommended System:

| Steel | |
|-------------------|----------|
| Epoprime Basecoat | 1 coat. |
| Epoprime HB | 1 coat |
| EPOCOAT HB | 1 coat. |
| Concrete | |
| Uniseal # 110 | 1 coat. |
| EPOCOAT HB | 2 coats. |

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Storage:

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

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 vapor.

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