

General Description:

EPOPRIME BASECOAT is a two-component undercoat based on epoxy resin and polyamide hardener.

Major Uses:

General – purpose anti corrosive basecoat for steel, concrete, plastic and wood surfaces. It is also recommended for all plastic surfaces and asbestos fibre and ideal as shop primer for structural steel.

Advantages:

- Good adhesion properties.
- Excellent chemical resistance.
- Compatible.
- Good weather resistance.
- Abrasion - resistant.

Characteristics and Physical Properties:

Colour	White, Red Oxide, Gray, Yellow Oxide
Appearance	Eggshell
Specific gravity	1.40 kg/L
Volume solids	50%
Flash point	25°C
Pot life	6 hours
Surface dry	5 hours
Recoating interval	6 – 12 hours
Fully cured	7 days
DFT	50 microns
WFT	80 microns
Coverage	10 m ² /L
Hardener	Epoxy Hardener # 450

Surface Preparation:

Steel:

Metal surfaces should be free from grease, oil and other contaminants. Grit blasting to Sa2 ½ is much preferred to wire brushing and other methods of abrasion. Immediately after blasting the surface should be primed with EPOPRIME BASECOAT.

Concrete:

New concrete should be cleared at least 28 days. Apply one (1) coat of multi – etch solution, rinse and let it dry. Surface should be free from laitance, loose debris and other foreign contaminants prior to the application of EPOPRIME BASECOAT.

Wood and Plastics:

Surface to be primed should be free of rust, dirt, oil and grease. Apply 1 coat of Uniseal # 110 P as a surface conditioner for a better anchorage of EPOPRIME BASECOAT.

Mixing and Application:

Stir contents of each container particularly the base resin very well.

Mix 4 parts of Resin A and 1 part Hardener homogeneously using a flat paddle for at least five minutes. Mechanical mixing is much preferred with power drill with low RPM. Let it stand for 10-15 minutes induction time prior to application.

Condition during application:

The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The coating should not be exposed to mechanical stress until cured.

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

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

Typical Recommended System:

Option 1	
Epoprime Basecoat	1 coat
Epoprime HB	1 coat
Epoxy or PU Topcoat	1 coat
Option 2	
Epoprime Basecoat	1 coat
Epoprime HB	1 coat

Cleaning of Tools:

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

Storage:

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling:

Handle with care. Stir well before use.

Packing:

Available in 4 lit. set and 20 lit. set.

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.

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