



# EPOCOAT - S

## General Description:

EPOCOAT S is a solvent based, two-component epoxy system containing of an epoxy resin and polyamide hardener and is formulated with high performance..

## Major Uses:

EPOCOAT S is specially formulated to give excellent coating for steel structures, concrete and ideal for application for commercial, industrial and chemical plants.

## Advantages:

- 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	4 : 1
% Solids (v)	42
% Solids (w)	59
Flash point	22°C
Pot life @ 25°C	1-2 hrs.
Coverage	8-10 m <sup>2</sup> /L
DFT	50 microns
Drying time @ 25°C:	
Recoat	3-5 hrs.
Hard	12-16 hrs.
Cured	7 days
Shelf life	12 months
VOC	470 g/L

## 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.

### Concrete:

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

### Maintenance:

Remove all traces of oil, grease and other contaminants with suitable degreaser and detergent. Remove all rust and loose materials by power tool cleaning or by wire brushing. Application of wash primer to damaged or rusted surface is recommended prior to the application of EPOCOAT - S

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

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## Priming:

Steel surface should be primed with Epoprime Basecoat / Epoprime HB (intermediate coat) prior to application of EPOCOAT – S.

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

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

## Typical Recommended System:

Steel	
Epoprime Basecoat	1 coat
Epoprime HB	1 coat
EPOCOAT - S	1 coat
Concrete	
Uniseal # 110 EP	1 coat
EPOCOAT - S	1 coat

## Storage:

The product must be stored in accordance with national regulations. Keep resin and hardener in a cool place below 25°C. Keep the container tightly closed. Shelf life of 12 months minimum.

## Handling:

Handle with care. Stir well before use.

## Packing:

Available in 4 liter set and 20 liter set

## 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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