



EPOCOAT - S

General Description:

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

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	Any choice of colour.
Mixing Ratio	4: 1
Volume Solids	59%
Pot Life @ 30 ⁰ C	1 hr.
Dry film thickness	50 microns.
Flash Point	22 ⁰ C.
Drying Time:	
To Recoat	3 – 5 hrs.
To Hard	12 hrs – 16 hrs.
Cured	7 Days.
Shelf Life	1 year.
Coverage	10 – 12m 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.

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 - S

Priming:

- Steel surface should be primed with Epoprime Basecoat / Epoprime HB (int. coat) prior to applications 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: 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 S	1 coat.
Concrete	
Uniseal # 110	1 coat.
EPOCOAT S	2 coats.

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.

Storage:

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

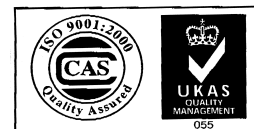
Cleaning of Tools:

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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