EPOXY MASTIC PRIMER

Epoxy



PRODUCT DESCRIPTION

Two component, high build epoxy primer

FEATURES AND RECOMMENDED USE

- Designed as an epoxy primer or build coat in protective coating systems
- Excellent resistance to saline, marine and chemical environments
- Good adhesion on steel and aged epoxy coatings

TECHNICAL DATA

Colour	Grey & limited range
Gloss	Matt
Recommended DFT / Coat	50– 75 microns
Theoretical Coverage Capacity	12.0sq.mtr/ ltr @ 50 microns DFT
	8.0sq.mtr/ ltr@ 75 microns DFT
Drying time at 30°C	Surface dry : 1 hour Hard dry : 12 hours Full cure : 7 days
Over coating interval at 30°C	Min.: 12 hours Max.: 1 month, provided surface is dry and clean from all con tamination

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances. The volume solids indicated are as per ASTM D 2697 air drying method.

The actual drying time/ overcoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, temperature etc. The information provided above is at 30°C and 65% relative humidity.

DIRECTIONS FOR USE

Surface Preparation

General

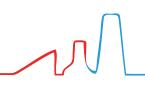
- Surfaces must be dry, clean and free from contaminants
- Ensure removal of dirt, dust, oil and all other contaminants that could interfere with adhesion of the primer. Oil and grease should be removed as per SSPC-SP1 solvent cleaning with aromatic solvents
- Surface should be checked and treated in accordance with ISO 8504 prior to priming

Blast Cleaning

- Steel, abrasive blast clean to min. Sa 2 1/2 (ISO 8501-1: 200) or SSPC –SP6. Incase oxidation has occurred between blasting and application of Epoxy MasticPrimer, the surface should be reblasted
- A blasting profile of (Rz) 30 50 microns is recommended
- If blast cleaning is impractical, remove loose rust/ scale using power tools/ hand tools to achieve St3/ St2 grade of surface preparation as per Swedish standards

Application Conditions

- Substrate temperature should be at least 3°C above dew point but not above 50°C.
- Relative humidity should be below 85%
- Good ventilation is required in confined areas to ensure proper curing



Mixing

- Epoxy Mastic Primer is supplied in two packs. Stir the base and hardener separately. If settling is observed in the base or hardener, loosen the settled material with the help of hand stirrer followed by power driven stirrer (at lower RPM) for quick homogenous mixing
- Mix hardener gradually into the base under continuous stirring as per the mixing ratio. Once the unit has been mixed, it should be consumed within the working pot life. In case of part mixing (which should be avoided), close the lids of containers tightly to avoid contact with atmospheric moisture
- Thinner should be added after mixing the components and post the induction time. Addition of excessive thinner will lead to reduced sag resistance

Mixing Ratio (by volume)	Base : Hardener 4 : 1
Induction time	30 minutes
Pot Life at 30°C	8 hrs

Application

/lixing Ratio by volume)		
Induction time	30 minutes	
Pot Life at 30°C		
Application		
Air Spray		
Recommended thinner	T - 141	
Volume of thinner	5- 20%	
Nozzle orifice	1.5 - 3.0 mm	
Nozzle Pressure	0.3 – 0.4 MPa	
	(= approx. 3 – 4 atm; 43 – 57 p.s.i.)	
Cleaning thinner	T 141	
Airless Spray	@	
Recommended thinner	T - 141 0- 15%	
Volume of thinner Nozzle orifice	0- 15% 0.33 - 0.41mm (13 – 16 Thou)	
Nozzle Pressure	14 – 18 MPa	
	(= approx. 140 – 180 atm; 2000 - 2600p.s.i.)	
Cleaning thinner	T 141	
Brush / Roller	, %	
Suitable for stripe coating and small areas.		
Recommended thinner	T 141	
Volume of thinner	0 - 15%	

Cleaning

- Do not allow the product to remain in hoses, gun or spray equipment. Clean all equipments immediately after use with thinner T 141. It is recommended to periodically flush out spray equipment during the course of the working day. The frequency of cleaning will depend on amount sprayed, temperature and time gap
- All surplus material and empty containers should be disposed off in accordance with appropriate regional legislation

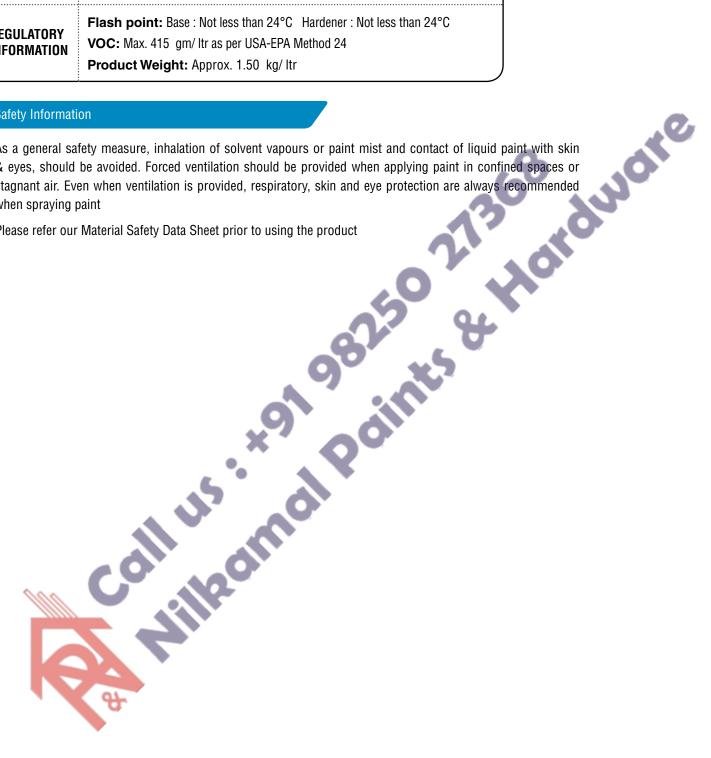
Product Characteristics

- Higher film build up in single coat can be attained only by airless spray. Conventional Air spray or application using pressure pot may require multiple coats to achieve desired film build. Restrict brush and roller application only for stipe coat and for smaller areas
- The maximum performance is achieved after complete curing
- As common with all epoxies Epoxy Mastic Primer will chalk and discolor on exterior exposure. However, these phenomena are not detrimental to anti-corrosive performance. The actual rate of chalking will depend upon climatic conditions and will normally be limited to a thin surface layer

PACK SIZE	20 ltr(Base : 16 ltr & Hardener : 4ltr)
STORAGE	Shelf Life: Atleast 12 months @ 30°C for original unopened pack, subject to inspection thereafter. Store in a cool, dry place and in accordance with local regulations
REGULATORY Information	Flash point: Base: Not less than 24°C Hardener: Not less than 24°C VOC: Max. 415 gm/ltr as per USA-EPA Method 24 Product Weight: Approx. 1.50 kg/ltr

Safety Information

- As a general safety measure, inhalation of solvent vapours or paint mist and contact of liquid paint with skin & eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint
- Please refer our Material Safety Data Sheet prior to using the product



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