EPOXY ZINC PHOSPHATE PRIMER TWO-PACK

A general-purpose epoxy resin based anti-corrosion primer designed for application direct to blast cleaned steel. This product is formulated on the latest anti-corrosive pigments and forms an excellent epoxy protective system for external use. It is not intended for continuous water immersion, or prolonged exposure to highly acidic atmosphere or spillage. Although the primer has good intrinsic chemical resistance, attention should be paid to the specified recoating schedule especially where strongly aggressive chemical atmosphere are to be encountered.

PHYSICAL CHARACTERISTICS OF WET PAINT

Pigment composition	Zinc phosphate, titanium dioxide, mineral extenders	
Pigment %	56.8%	
Binder type	Epoxy resin/polyamide	
Binder %	18.2%	
Thinner composition	Ethylene glycol ethers/aromatic hydrocarbons	
Thinner%	25%	
Volume solids%	53%	
Specific gravity of paint	1.35 ± 0.03	
Base: Activator ratio by volume	4 : 1	
Pot life	At 20º C	1 day
	At 10º C	2 days

PHYSICAL CHARACTERISTICS OF DRY FILM

Drying time of standard	At 30º C	10 hours	
	At 20º C	16 hours	
	At 10º C	24 hours	
Curing time before use	At 30º C	3 days	
	At 20º C	5 days	

	At 10º C	7 days	
N.B. - Epoxy curing	The curing of Epoxy resin-based coatings is temperature dependant. It is seriously retarded before 5º C (41º F).		
Recoating time		**Minimum**	**Maximum**
	At 30º C	10 hours	3 days
	At 20º C	16 hours	7 days
Standard thickness	**Wet paint:**	94-118 microns (3.75-1.70 Mils)	
	Dry film:	50-62 microns (2-2 ½ Mils)	
Theoretical coverage on smooth surfaces	8.5-10.6 M² /liter (5.09-6.35 M² /kg)		

APPLICATION

Brush/roller	Ready for use for brush application. Roller application not recommended-inadequate film thickness results.
Conventional spray	
Thinner addition 20º C	10-15%
By volume 10º C	15-20%
Thinner addition by volume	Ready for use but upto 10% dependent on temperature
Recommended thinner	Epoxy thinner

SURFACE PREPARATION

Structural steelwork

Blast clean to BS4232: 1967 'Second Quality' (Swedish Standard SA 2 ½) or SSPC SP6 minimum and apply Epoxy Zinc Phosphate Primer Two-Pack direct. Prime immediately after blasting. If this is impractical both blasting and priming must be completed within the same working day and before the standard of blasting has deteriorated. Alternatively Epoxy Zinc phosphate Primer Two-pack may be applied over an appropriate protective primer. This should be clean, dry and firmly adhering. (Polyvinyl butyral shop primers should not be used under conditions of continuous immersion or, in conjunction with cathodic protection).Must be clean, dry and grease free.

PAINT SYSTEM

One coat Epoxy Zinc Phosphate Primer, 50 microns (2 Mils followed by one or two coats Epoxy Bildcote to a minimum thickness of 200 microns (8 Mils) followed by Epoxy Finish)

Pack size

Base - 20 Liters
Activator - 4 Liters

CONTACT :

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