ZINC PHOSPHATE EPOXY PRIMER
(Based on IPS-M-TP215)

Parsidur 4143

DESCRIPTION

* Two component zinc phosphate epoxy primer based on selected epoxy resins and hardeners to maintain a well proportionate passivating epoxy matrix which acts as a high performance primer in anticorrosive paint systems.

USES

* As an excellent anti-corrosion primer for steel structures, exterior of tanks, different types of machineries and long vehicles.

*As primer in ISO12944 (C1 TO C4) & IPS-E-TP 100 table 2 (7A to 7D)

* It is suitable as a shop primer in paint systems and over coatable with a wide range of paint systems .

FEATURES

* Excellent anti-corrosion effect by the passivation mechanism.
* Suitable for mild to moderate environments .
* Good resistance to weak acids and alkalis .
* Good mechanical resistance .
* Fast drying .
* Easy application .
* Suitable primer for transportation facilities .

TECHNICAL DATA

Finish	Flat
Colour	Grey, Red Brown, Other colour upon request
Specific gravity (at 20 °C , Mix)	1.54 ± 0.05 (gr/cc)
Volume solid	56 ± 2 %
Recommended DFT	50 - 100 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

[1] **Technical data might be changed in some colored paints.**

SURFACE PREPARATION

1 - Remove any dust , oil and moisture .

2 - Abrasive blast up to SA 2½ or wire brush near to SP 11 .

3 - Application on surfaces with lower degree of preparation is possible, but a compromise between ease of application and performance should be considered.

See note A

RECOMMENDED PAINT SYSTEMS

External Surfaces :		
P : 4143	50 - 100	micron
I :4204(series) , 4205ZP, 4211(series), 4212(series) , 3202	100 - 200	micron
T: 6591(series) , 4392, 3391, 2932	50 - 100	micron
Internal Surfaces :		
P : 4143	50 - 100	micron
I & T : 4517B , 4517B-1, 4522, 4223 , 4231	500 - 1000	micron

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APPLICATION DATA

* Method	Air / Airless spray , Brush (just for inaccessible area or touch up)	
Thinner / Cleaner	T-404	
Mixing ratio by weight	100 : 14.3	**Base : 21 kg + Hardener : 3 kg**
Pot life (at 20 °C)	8 hrs	

- Different thinner with different suffix maybe offered in hot and cold seasons.

Theoretical Coverage :

Dry film thickness (mic)	50	75	100
Coverage (m² / lit)	11.20	7.47	5.60
Coverage (m² / kg)	7.27	4.85	3.64

Touch dry	(70 mic , 20 °C)	1	hrs
Fully Cured	(70 mic , 20 °C)	7	days

- At higher dry film thickness, lower temperature and poor ventilation drying time will be longer.
- Application in closed area results in long touch & tack drying time and therefore longer minimum intervals. So sufficient air draft is required for maintaining normal application condition.

Recoating interval :

Surface temperature	10°C	20°C	30°C
Min. Interval (hrs)	12	8	6
Max. Interval (days)	7	6	5

- The maximum recoating times are for reaching the maximum chemically intercoat adhesion, but it is possible to reach a reasonable adhesion even up to few months .**See note E**

APPLICATION INSTRUCTIONS

* Check all equipments are dust, oil and moisture free. If needed , flush with cleaner thinner.
* It is recommended to use the paint with the temperature above 15°C, otherwise more thinner would be required to reach the application viscosity. Too much thinner may results in sagging, low thickness and poor hiding. In cold seasons it is recommended to keep the paint at a warmed up storage at least 3 days before use.
* Stir the paint well by a forced mixer before use and add the entire hardener to it and mix it again up to get a homogenous mixture.
* Thin the paint with defined thinner depend on required thickness & application viscosity.

The given data could be adjusted by applicator in practical situation by his own actual trial.

	Pressure (atm)	Orifice	Tip Range	Thinner (vol%)
Air spray	3 - 4	1.3 - 3 mm		5 - 20
Air less	6 - 7	19 - 23 mic	219 -323	5 - 10
Brush / Roller	Suitable for small areas only .			

SURFACE TEMPERATURE

Must be at least 3°C above dew point, apply the coats when surface temperature is from 10°C to 40°C. Please consult Parsifam if the substrate temperature is lower or higher.

SAFETY

- ▲ Due to high flammability , keep away the paints from heat , sparks and flames.
- ▲ Avoid contact the paints with eyes and skin.
- ▲ Use mask and gloves and provide suitable ventilation for the reasons of health and safety.

REMARKS : The information submitted in this data sheet is based on our best current knowledge and experience. The ultimate performance of this coating is quite related to performance of surface preparation, application procedure and conditions that limits our liability to the figures of submitted technical and application data .

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