

HIGH PERFORMANCE ZINC PHOSPHATE EPOXY PRIMER

(Based on IPS- M - TP215)

Parsidur 4143X2

DESCRIPTION

* High Performance two component anti-corrosive epoxy primer which is designed to meet performance of petroleum industries standards for IPS-M-TP215 for both external land internal use. It's a well advanced product based on précised selecting of raw materials to obtain ideal results from a non-zinc metal primer.

USES

*As an ideal primer based on IPS-M-TP215 in 7A to 7D paint systems in group 7 of IPS-E-TP100, when it roles quite well in at atmospheric and immersion conditions.

FEATURES

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

TECHNICAL DATA

Finish	Flat
Colour	Red Oxide , Grays
Specific gravity (at 20 °C , Mix)	1.55 ± 0.05 (gr/cc)
Volume solid	57 ± 2 %
Recommended DFT	70 - 100 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

- 1 - Remove any dust , oil , dirt and moisture .
- 2 - Blast at least up to SA 2½ .

RECOMMENDED PAINT SYSTEMS

Atmospheric Paint Systems :

P : 7411 ² , 4424 (all series) ,4192	OR	60 - 80	micron
P : 4143X2		70 -120	micron
I : 4204X2		100 -200	micron
T1 : 4304X2		50 -100	micron
T2 : 6591		50 -70	micron

Internal Paint Systems :

P : 4143X2	70 -100	micron
I : 4204X2	100 -200	micron
T : 4304X2	50 -125	micron

² See note J when selecting or using zinc ethyl silicate .

7411 needs 4252 as tie-coat or a thin mist coat of 4204X2.

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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 : 13.6	Base : 22 kg + Hardener : 3 kg	
Pot life (at 20 °C)	4 hrs		

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

Theoretical Coverage :

Dry film thickness (mic)	70	80	100
Coverage (m ² / lit)	8.14	7.13	5.70
Coverage (m ² / kg)	5.25	4.59	3.68

Touch dry (70 mic , 20 °C)	4 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)	24	16	10
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**
- * 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.

APPLICATION INSTRUCTIONS

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 .