
ZINC PHOSPHATE - MIOX EPOXY PRIMER

(Certified Primer for Internal of ATK & JP4 Fuel & Oil Derivatives Tanks)

Parsidur 4192F

DESCRIPTION

* Two component zinc phosphate - MIOX epoxy primer formulated specially for severe atmospheric and internal lining conditions. It is a collection of high passivating action, high lamellarity and high barrieriness.

USES

- * High performance, heavy duty anti-corrosive primer for various atmospheric conditions and tank linings. It is designed for a wide range of aggressive environments.
- * Certified primer for aviation fuel (ATK & JP4) tank lining system.
- * Certified primer in a paint system for lining of gas oil and other fuels tanks.

FEATURES

- * High lamellar pigment content .
- * High performance primer for tank lining systems .
- * Excellent anticorrosion effect by passivation mechanism.
- * Good resistance to weak acids and alkalis .
- * Excellent mechanical resistance .
- * Excellent diffusion prohibition of corrosive compounds .
- * Well suitable primer for many coatings .

TECHNICAL DATA

Finish	Flat
Colour	Grey
Specific gravity (at 20 °C , Mix)	1.88 ± 0.05 (gr/cc)
Volume solid	65 ± 2 %
Recommended DFT	50 - 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 and moisture .
- 2 - Abrasive blast up to SA 2½ , if blasting is not possible, wire brush up to white metal surface near to SP 11 .

RECOMMENDED PAINT SYSTEMS

Internal Of Tanks :

P : 4192F¹	70 - 80	micron
I : 4241F, 4249, 4204X2	100 - 200	micron
T : 4773F, 4399, 4304X2	70 - 100	micron

¹ For immersion purpose and tank lining , DFT is not recommended less than 70 microns.

Attention : For any type of use, the filter in the airless spray must be removed

External surfaces :

P : 4192F	50 - 100	micron
I : 4204 (all series) , 4211 (all series)	100 - 200	micron
T : 6591(all seies) ,4392, 3391, 2932	50 - 100	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 : 8	Base : 25 kg , Hardener : 2 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	70	100
Coverage (m ² / lit)	13.00	9.28	6.50
Coverage (m ² / kg)	6.91	4.93	3.46

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

- For having required interchemical bonding, maximum interval must be strictly followed for immersion uses, but for atmospheric application it is possible to recoat it after few weeks .

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.
- * Stirring the material in low speed during painting is necessary . **See note H**

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 .