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# EPOXY INTERMEDIATE FOR TANK LINING OF ATK & JP4

( Certified Intermediate for Internal of Aviation Fuel Tanks , Based on IPS-M-TP220 )

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## Parsijet 4241F

### DESCRIPTION

\* High performance epoxy intermediate curable with a special low cure rate polyamine. It's versatile diffusion resistance in many medias, makes it an ideal intermediate for most immersion coating systems . Lining of crude oil, oil products, process water reservoirs are experienced and proved.

### USES

- \* Excellent intermediate in coating systems which are lined in crude oil and oil products tanks.
- \* Excellent mid layer in process water tank lining .
- \* A decisive intermediate for aviation fuel ( ATK & JP4 ) tank lining, which is certified by RIPI ( Research Institute of Petroleum Industry )
- \* Excellent mid layer for gasoline and kerosene .

### FEATURES

- \* Outstanding diffusion resistance .
- \* Outstanding immersion resistance .
- \* Excellent applicability .

### TECHNICAL DATA

<b>Finish</b>	Flat
<b>Colour</b>	Gray
<b>Specific gravity ( at 20 °C , Mix )</b>	1.82 ± 0.05 ( gr/cc )
<b>Volume solid</b>	59 ± 2 %
<b>Recommended DFT</b>	150 - 200 ( mic )
<b>Flash point</b>	35 °C
<b>Shelf life ( at 20 °C )</b>	12 months
<b>Package</b>	20 Liters, others on request

### SURFACE PREPARATION

#### Internal Of Tanks :

- 1 - Pay high attention to recoating interval.
- 2 - Remove any dirt , dust , oil and moisture from primed surface .

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

### RECOMMENDED PAINT SYSTEMS

P :4192F	70 - 90	micron
I : 4241 F	150 - 200	micron
T : 4773F	80 - 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 ( 3 components)	100 : 17.5 : 6	<b>Base : 21.88 kg + Hardener: 3.83 kg + SRB Additive: 1.33 kg</b>	
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)	150	175	200
Coverage ( m <sup>2</sup> / lit )	3.93	3.37	2.95
Coverage ( m <sup>2</sup> / kg )	2.15	1.85	1.62

Touch dry ( 150 mic , 20 °C )	2 hrs
Fully Cured ( 150 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 )	30	24	18
Max. Interval ( days )	7	6	5

- It is highly recommended to meet recoating interval times strictly . **See note G**

### 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	1.8 - 4.2 mm	E	5 - 20
Air less	6 - 7	23 - 43 mic	223 - 443	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 .