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# SOLVENT FREE MIOX EPOXY

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## Parsiline 4572

### DESCRIPTION

- \* Solvent free epoxy coating reinforced by MIOX for lining of crude oil, oil derivatives, sea water and process water tanks, in industrial, chemical & marine zones .
- Immersion and chemical resistance of 4572 is the same as 4517B, but it's mechanical strength is much better.

### USES

- \* Anti -corrosive thick coat for crude oil & oil derivatives .
- \* High performance lining for sea water reservoirs .
- \* Durable lining for water and water solutions tanks.

### FEATURES

- \* MIOX reinforced .
- \* Good mechanical behavior.
- \* Good chemical resistance .
- \* Excellent osmosis resistance .
- \* Abrasion resistant .
- \* Usable for both steel and concrete tanks .
- \* Economical choice.
- \* A minimum 60 micron profile is needed for a good adhesion .

### TECHNICAL DATA

<b>Finish</b>	Gloss at high thicknesses
<b>Colour</b>	Gray
<b>Specific gravity ( at 20 °C , Mix )</b>	1.60 ± 0.05 ( gr/cc )
<b>Volume solid</b>	100 %
<b>Recommended DFT</b>	500 - 1000 ( mic )
<b>Flash point</b>	70 °C
<b>Shelf life ( at 20 °C )</b>	6 months
<b>Package</b>	20 Liters, others on request

### SURFACE PREPARATION

- 1 - Remove any oil , grease, rust , dust & moisture by suitable methods . Salts and other soluble materials shall be removed by high pressure fresh water prior to blasting .
- 2 - Blast up to SA 2½ with a minimum 60 micron roughness .
- 3- Surface should be carefully cleaned from abrasive and dust after blasting .

### RECOMMENDED PAINT SYSTEMS

P : 4424 , 4192 , 4143X2 <sup>1</sup> (optional) <b>or</b>	60 - 80	micron
HP : 4255 ( Holding Prime ) <sup>2</sup> (optional)	20 - 40	micron
<b>I &amp; T : 4572</b>	2 x (250 - 500)	micron

<sup>1</sup> See note J when selecting or using zinc ethyl silicate .

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### APPLICATION DATA

Method	Airless spray , Brush (just for inaccessible area or touch up)		
Cleaner	T - 404		
Mixing ratio by weight	100 : 21.95	<b>Base : 20.5 kg + Hardener : 4.5 kg = 25 kg</b>	
Pot life ( at 20 °C )	1 hr		

#### Theoretical Coverage :

Dry film thickness (mic)	500	1000	1500
Coverage ( m <sup>2</sup> / lit )	2.00	1	0.67
Coverage ( m <sup>2</sup> / kg )	1.25	0.625	0.417

Touch dry ( 500 mic , 20 °C )	14	hrs
Fully Cured ( 500 mic , 20 °C )	7	days

- At higher dry film thickness and lower temperature, drying time will be longer.

#### Recoating interval :

Surface temperature	10°C	20°C	30°C
Min. Interval ( hrs )	36	24	20
Max. Interval ( days )	7	5	4

- 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 in cold seasons to reach the application viscosity 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.

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

	Pump Ratio	Orifice	Tip Range	Thinner (vol%)
Air less	> 45 :1 preferably 68:1	23 - 45 (mic)	323 - 445 , 545	Max. 1 %
Brush / Roller	only for inaccessible areas			

### 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 .