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# HIGH SOLID ZINC PHOSPHATE / MIO EPOXY COATING (SURFACE TOLERANT)

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## Parsidur 4243ST

### DESCRIPTION

\* 2K , high solid, low voc, epoxy zinc phosphate primer reinforced with micaceous iron oxide with excellent barrier protection and rapid over coating properties .  
Low temperature application are maintained with usage of special fast curing hardeners .

### USES

\* Excellent high thickness primer paint system which are used in mild to moderate environments .  
\* The suitable primer for surfaces that are not allowed to be blasted is therefore prepared in a marginal way with hand tools.  
\* Suitable primer for industrial & chemical plants , power plants and bridges at mild to moderate environments .

### FEATURES

\* Excellent adhesion to mechanically cleaned surfaces.  
\* High build, hi solid and self primed for steel and other paints.  
\* Thick layer in one coat is attainable.  
\* High tolerancy to moist surfaces.

### TECHNICAL DATA

<b>Finish</b>	Flat
<b>Colour</b>	Grey
<b>Specific gravity ( at 20 °C , Mix )</b>	1.65 ± 0.05 ( gr/cc )
<b>Volume solid</b>	75 ± 2 %
<b>Recommended DFT</b>	80 - 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

1 - The best result is attained by SA2½ , but when it is impossible, the power tools is acceptable.  
2 - As an intermediate, the primed or previous layer should be quite free of any oil, grease, dirt, dust and moisture.  
3 - Pay attention to maximum recoating interval of previous layer.

### RECOMMENDED PAINT SYSTEMS

<b>P : 4243ST</b>	70 - 90	micron
I : 4211 (all series) or 4204 (all series)	1 or 2x (100 - 200)	micron
T : 6591 (all series) , 4392, 3391	50 - 80	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 vol	100: 15.55	<b>Base : 22.5 Kg + Hardener : 3.5 Kg</b>	
Pot life ( at 20 °C )	1.5 hrs		

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

#### Theoretical Coverage :

Dry film thickness (mic)	80	120	200
Coverage ( m <sup>2</sup> / lit )	9.38	6.25	3.75
Coverage ( m <sup>2</sup> / kg )	5.68	3.79	2.27

Touch dry ( 150 mic , 20 °C )	4	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	14	10
Max. Interval ( days )	7	6	5

- For having required interchemical bonding, maximum interval must be strictly followed .  
But 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.

#### 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 .