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# TWO COMPONENT ZINC RICH - MIO EPOXY PRIMER

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## Parsizinc 4433

### DESCRIPTION

\* Two component zinc rich epoxy primer based on level III of paint 20 in SSPC 2002 edition. It's zinc content is lower than conventional zinc riches but depends on the latter concept of synergistic effect of the MIO lamellar anti-corrosion pigment and better engineered formulation, can act like conventional high zinc content primers, but at a lower cost.

### USES

\* Zinc rich primer for anti corrosive paint systems in moderate to severe environmental conditions.

### FEATURES

- \* High anti-corrosive actions.
- \* Zinc content in dry film is 70 % .
- \* Reinforced with lamellar micaceous iron oxide ( MIOX ) .
- \* Long recoating interval, when free from salts and contaminations.
- \* High coverage.
- \* Economical without loss of performance.
- \* Due to zinc content and MIO pigments, using a powered mixer is a necessity.

### TECHNICAL DATA

<b>Finish</b>	Flat
<b>Colour</b>	Grey
<b>Specific gravity ( at 20 °C , Mix )</b>	2.5 ± 0.05 ( gr/cc )
<b>Volume solid</b>	60 ± 2 %
<b>Recommended DFT</b>	60 - 80 ( mic ) <sup>1</sup>
<b>Flash point</b>	35 °C
<b>Shelf life ( at 20 °C )</b>	12 months
<b>Package</b>	20 Liters, Others on request

<sup>1</sup>Avoid high thickness . See note B

### SURFACE PREPARATION

- 1 - Remove any dust , rust , oil & moisture .
- 2 - Blast up to SA 2 ½. If blasting is not possible, wire brush up to near a bare metal surface ( SP 11 ) with a suitable roughness.

### RECOMMENDED PAINT SYSTEMS

<b>P : 4433</b> <sup>2</sup>	60 - 80	micron
I : 4211( all series) , 4204 (all series) 4205ZP, 4212, 3202	100 - 200	micron
T : 6591(all series), 4392 , 3391, 2932	50 - 80	micron

<sup>2</sup> Zinc rich primers can form zinc salts on the surface, if they are weathered for long periods before over coating. In this case zinc salts and any contamination should be removed by high pressure water cleaning, sand paper, sweep blasting or other mechanical cleanings.

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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	<b>Package : Base 25 kg + Hardener : 2 kg</b>	
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)	60	70	80
Coverage ( m <sup>2</sup> / lit )	10	8.57	7.5
Coverage ( m <sup>2</sup> / kg )	4	3.43	3

Touch dry ( 70 mic , 20 °C )	1 hr
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 )	14	10	7

- 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**

### 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 .