
EPOXY MIO SEALER / TIE COAT

Parsitie 4252

DESCRIPTION

- * Two component epoxy MIO sealer / tie coat to serve as a rapid cure sealing coat on zinc rich primers with additional features that make it to be usable on epoxy / ethyl silicate primers which their recoating interval time has been passed over and they got aged .
- * It is pigmented with MIO to ensure good adhesion in long interval of subsequent coat.

USES

- * As a sealing tie coat in high performance anti-corrosive epoxy systems, specially when application of subsequent coat is not fixed or planned for a prolonged period.
- * As an special designed epoxy sealer coat in multi-layer anti-corrosive coating systems, when there is a long period gap between primer application and next coat .

FEATURES

- * Good and enough adhesion on aged epoxy primers .
- * Quick drying.
- * Good penetration and sealing.
- * Excellent adhesion to most new primers .
- * Long over coating interval.

TECHNICAL DATA

Finish	Flat
Colour	Grey
Specific gravity (at 20 °C , Mix)	1.3 ± 0.05 (gr/cc)
Volume solid	42 ± 2 %
Recommended DFT	25 -50 ** (mic)
Flash point	32 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

**** Higher thickness than recommended DFT should be avoided.**

SURFACE PREPARATION

- 1 - The primed or previous layer should be quite free of any oil , grease , dirt , dust and moisture . Zinc primer should be free from any zinc salts .
- 2 - When recoating interval time has been passed for a long time , degreasing with suitable detergent , sanding or sweep blast to get roughness is necessary .

RECOMMENDED PAINT SYSTEMS

P: 7411 ¹ , 4424 (series)	60 - 80	micron
I1: 4252 ²	25 - 40	micron
I2: 4204 (series) , 4211(series), 4212	100 - 200	micron
T: 6591(series) , 4392	50 - 80	micron

¹ See note J when selecting or using zinc ethyl silicate .

² Do not apply more than specified thickness.

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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 : 33.3	Base : 15 kg	Hardener : 5 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)	25	30	40	50
Coverage (m ² / lit)	16.80	14.00	10.50	8.4
Coverage (m ² / kg)	12.92	10.77	8.08	6.46

Touch dry (25 mic , 20 °C)	90 min
Fully Cured (25 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)	8	4	2
Max. Interval (days)	Extended	Extended	Extended

- 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**
- * 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 .			

APPLICATION INSTRUCTIONS

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 .