
COAL TAR MIOX EPOXY POLYAMINE

(MIO Containing Version of IPS-M-TP190)

Parsitar 4231B

DESCRIPTION

* Two component Hi-solid amine adduct cured coal tar epoxy based on a selection of epoxies & hardeners formulated by special paint grade coal tar pitches. Pigmentation with micaceous iron oxide makes sure to have the ultimate barrier effect . It's performance is a considerable competitor to glass flake series which need higher thicknesses and higher cost .

USES

* It is highly recommended for tank lining of crude oil and oil products reservoirs .
* Interior lining of process water tanks .

FEATURES

* Thick film up to 200 mic DFT in a single application is possible. It is recommended to apply it on a primed surface .
* Excellent barrier to weather and humidity .
* Excellent immersion resistance to oil products and aliphatic solvents .
* Excellent immersion resistance to water .
* Good resistance to spillages of diluted acids & alkalis .
* Easy to apply .

TECHNICAL DATA

Finish	Semi Gloss
Colour	Black or Brown
Specific gravity (at 20 °C , Mix)	1.30 ± 0.05 (gr/cc)
Volume solid	70 ± 2 %
Recommended DFT	200 - 600 (mic) ¹
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

¹ In order to prevent pin holing, it is recommended to apply coal tars in multi layers . See note F

SURFACE PREPARATION

1 - blast up to at least sa 2 ½
2 - Remove any oil , grease, dirt , dust & moisture from Surface .
3 - if it is applied on primed surface , clean it before further application .

RECOMMENDED PAINT SYSTEMS

P : 4424	(optional)	60 - 80	micron
P & I & T: 4231B		1 to 3 × (150 - 200)	micron

² See note J when selecting or using zinc ethyl silicate .

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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 wt	100 : 19	Base : 18.65 kg + Hardener : 3.35 kg	
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	450	600
Coverage (m ² / lit)	4.67	1.56	1.17
Coverage (m ² / kg)	3.59	1.19	0.89

Touch dry (125 mic , 20 °C)	10 hrs
Fully Cured (125 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	40°C
Min. Interval (hrs)	48	24	16	12
Max. Interval (days)	4	3	2	1

- It is highly recommended to meet recoating interval times strictly. To get the strong intercoat adhesion in hot weather (more than 30°C) or direct sunlight recoating should be done maximum within 24 hours or less. **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 entered 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		10 - 25
Air less	6 - 7	19 - 23 mic	219 -323	5 - 15
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 .