EPOXY PHENOLIC NOVALAC FOR TANK LINING

Parsiphen 4242P

DESCRIPTION

* 2 component epoxy phenolic coating based on epoxy novalac resins and well experienced hardeners. It is reinforced with lamellar pigment to get higher withstand in many harsh media including corrosion resistance and workability . it is highly immersion resistant to crude oil, oil derivatives, light ends , naphtha, kerosene, gasoil, gasoline, process water , see water and so on .

USES

* Crude oil and oil derivatives tank linings.
* Process water and sea water tank lining.
* Water immersed facilities coating systems .
* As primer , intermediate and finish coat in atmospheric paint systems for very harsh environments.

FEATURES

* Excellent barrier effect by lamellar pigments.
* Excellent anodic passivating action.
* Excellent diffusion resistance.
* Outstanding immersion resistance.
* Dense cross linking resulted from epoxy novalac resins.

TECHNICAL DATA

Finish	Flat
Colour	Gray
Specific gravity (at 20 °C , Mix)	2 ± 0.05 (gr/cc)
Volume solid	70 ± 2 %
Recommended DFT	200 - 600 (mic)
Flash point (at 20 °C)	35 °C
Shelf life (at 20 °C)	12 months
Package	20 liters

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

1- It is used in 2 to 3 layers as paint system:

P & I & T : 4242P	2 to 3 × (100-200) micron

Parsifam
Producer of Paints & Coatings

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APPLICATION DATA

Method	Air / Airless spray, Brush (just for touch up)	
Thinner / Cleaner	T - 404	
Mixing ratio by weight	100 : 15	**Base : 22 Kg + Hardener : 3.3 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)	200	400	600
Coverage (m² / lit)	3.5	1.75	1.16
Coverage (m² / kg)	1.75	0.87	0.58

Touch dry	(250 mic , 20 °C)	8	hrs
Fully Cured	(250 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	24	16
Max. Interval (days)	8	6	3

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

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	1.8 - 4.2 mm	E	5 - 20
Air less	6 - 7	23 - 43 mic	223 - 443	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 .