
TANK LINING EPOXY TOP COAT

(Certified by RIPI for Gas Oil & Oil Derivatives Tank Lining , Based on IPS-M-TP225)

Parsiline 4399B

DESCRIPTION

* High performance protective epoxy top coat specially formulated to be used in immersion services . It is suitable for tank lining of crude oil , oil products, process water, reservoirs.

USES

- * Excellent top coat for tank lining of oil products , fuels & aliphatic hydrocarbons .
- * Excellent top coat for process water tank lining .
- * It is specially offered for gas oil tanks.
- * As IPS-M-TP225 in paint system 7 of table 2 in IPS-M-TP100 when extra performance is needed.

FEATURES

- * Outstanding immersion resistance .
- * Excellent diffusion resistance .
- * Excellent osmosis resistance .
- * Good chemical resistance .
- * The system consisting of 4192F, 4249 and 4399B is certified by RIPI (Research Institute of petroleum Industry) .

TECHNICAL DATA

Finish	Flat
Colour	White, other shades upon request
Specific gravity (at 20 °C , Mix)	1.47 ± 0.05 (gr/cc)
Volume solid	53 ± 2 %
Recommended DFT	50 - 100 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

- 1 - Pay high attention to recoating interval schedules of previous layer .
- 2 - Remove any oil , grease , dirt , dust & moisture from previous layer.

RECOMMENDED PAINT SYSTEMS

P : 4192F , 4424 , 7411 ¹	70 - 90	micron
I : 4249	100 - 200	micron
T : 4399B	50 - 100	micron

² See note J when selecting or using zinc ethyl silicate .
7411 needs 4252 as tie-coat or a thin mist coat of intermediate layer before applying main specified thickness of intermediate.

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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	100:12	Base : 20 kg	Gardener : 2.4 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)	50	75	100
Coverage (m ² / lit)	10.60	7.07	5.30
Coverage (m ² / kg)	7.21	4.81	3.61

Touch dry (60 mic , 20 °C)	1 hr
Fully Cured (60 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	10	8
Max. Interval (days)	7	6	5

- For getting the maximum intercoat adhesion ,it is highly recommended to meet recoating interval times strictly. **See note G**
- For longer recoating interval ,consult Parsifam for more information .

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 .