
HIGH PERFORMANCE HS SINGLE EPOXY COAT FOR TANK LINING

(Certified Single Coat for Oil Derivaties Tank Lining)

Parsiline 4242B

DESCRIPTION

*Hi-performance single coat epoxy curable with a special designed hardener system .
Thanks to contribution of phenoxy resins, It's versatile diffusion resistance in many media , makes it an ideal anticorrosive coat for most immersion coating systems including crude oil, oil products, process water and sea water tanks.

USES

- * Excellent primer, intermediate, top coat in paint systems which are lined for crude oil, oil products and process water tanks.
- * Excellent self primed single coat in multi layer paint systems for gas oil, gasoline, kerosene reservoirs and process water tanks lining.
- * It meet the requirements of IPS-M-TP250 in paint system 7H at table 2 of IPS-M- TP100.
- * A decisive single coat for aviation fuel (ATK & JP4) tank lining, in this case it is supplied as a 3 components products .

FEATURES

- * Outstanding diffusion resistance .
- * Excellent applicability .
- * Excellent immersion resistance to crude oil, oil products and sea water .
- * Can be directly applied to steel.
- * Single coat for multi layer paint systems.
- * Discoloration in sunlight has no deficiency on its performance.

TECHNICAL DATA

Finish	Flat
Colour	Grey
Specific gravity (at 20 °C , Mix)	2.00 ± 0.05 (gr/cc)
Volume solid	70 ± 2 %
Recommended DFT	250 - 600 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

- 1 - Blast to a SA2½ with a preferably high surface roughness, when used as primer.
- 2 - The previous layer should be quite free of any oil, grease, dirt, dust and moisture when used as mid or topcoat.
- 3 - Pay attention to maximum recoating interval of previous layer.

Attention : For any type of use, the filter in the airless spray must be removed

RECOMMENDED PAINT SYSTEMS

Single coat in multi layer :	
P & I & T : 4242 B	2 × (125-200) micron
	3 × (100-200) micron

As a multiple single coat can be used in 2 or 3 layer as P , I and T but other probable usage of PF4242 B with other paints in a coating system is possible.

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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	100:15	Base : 22 kg	Hardener : 3.3 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)	250	450	600
Coverage (m ² / lit)	2.8	1.56	1.17
Coverage (m ² / kg)	1.4	0.78	0.58

Touch dry (150 mic , 20 °C)	4	hrs
Fully Cured (150 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	18
Max. Interval (days)	7	6	5

- 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 - 10
Air less	6 - 7	19 - 23 mic	219 -323	0 - 5
Brush / Roller	Suitable for small areas only .			

SURFACE TEMPERATURE SAFETY

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.

- ▲ 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 .