

EPOXY PHENOLIC TOP COAT FOR TANLK LINING OF CORROSIVE PRODUCTS

Parsiphen 4743T2

DESCRIPTION

* High performance protective and immersion resistance epoxy phenolic top coat formulated to be used in conjunction with an epoxy phenolic primer or other suitable paints to cope harsh environments specially in immersion services . It is suitable for tank lining of crude oil , oil products , process saline water and many chemicals reservoirs.

USES

- * Excellent top coat for epoxy phenolic paint systems in harsh environments and for both external and internal application .
- * Excellent top coat for tank lining of oil products , fuels & aliphatic hydrocarbons , process saline water tank lining .
- * Internal lining of different chemical tanks. (Please consult Parsifam)
- * Excellent epoxy phenolic top coat for tank lining of crude oil, oil products, fuels, aliphatic hydrocarbons , process & DM water tank lining .

FEATURES

- * Excellent barrier resistance .
- * Excellent diffusion resistance .
- * Outstanding immersion resistance .
- * Good chemical resistance .
- * High DFT in one time application .

TECHNICAL DATA

Finish	Flat
Colour	Gray , Cream , White (RAL 9010)
Specific gravity (at 20 °C , Mix)	1.65± 0.05 (gr/cc)
Volume solid	75 ± 2 %
Recommended DFT	100 - 200 (mic)
Flash point (at 20 °C)	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 : 4743P2 ,4424, (7411 ¹ +4252)	100 - 200	micron
I : 4743P2 (optional) ²	100 - 200	micron
T : 4743T2	100 - 200	micron

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

² If needed, the intermediate shade can be different with primer one.

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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 : 12.5 **Base : 24 kg + Hardener : 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)	100	125	150	200
Coverage (m ² / lit)	7.5	6	5	3.75
Coverage (m ² / kg)	4.55	3.64	3.03	2.27

Touch dry (125 mic , 20 °C) 4 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	10°C	20°C	30°C
Min. Interval (hrs)	12	12	10	8
Max. Interval (days)	7	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.

	Pump Ratio	Orifice	Tip Range	Thinner (vol%)
Air less	> 45 :1 preferably 68:1	23 - 45 (mic)	323 - 445 , 545	Max. 1 %
Brush / Roller	only for inaccessible areas			

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 .

