
EPOXY PHENOLIC NOVALAC PRIMER FOR HOT EXTERNAL SURFACES

Parsiphen 4744P

DESCRIPTION

- * Two component epoxy phenolic novalac primer based on novalac epoxy resins and special hardeners to cope external severe corrosive conditions and high temperatures .
- It is an optional choice for external surfaces of tanks or steel structures that are in service at high temperature up to 180 °C .

USES

- * External surfaces of high temperature tanks and equipments
- * External surfaces with possible spillage of chemicals
- * Offshore structures

FEATURES

- * Excellent heat resistance.
- * Chemical spillages resistance.
- * Heat resistance up to 180 °C only in atmospheric condition for external surfaces.
- * Excellent immersion resistance in water and oil hydrocarbons .
- * High thickness in single coat up to 200 microns.
- * Like all epoxies discoloration & chalking will be occurred in exposure to sunlight.

See note D

TECHNICAL DATA

Finish	Flat
Colour	Cream , Gray
Specific gravity (at 20 °C , Mix)	1.65 ± 0.05 (gr/cc)
Volume solid	70 ± 2 %
Recommended DFT	100 - 200 (mic)
Flash point	42 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

- 1- Blast up to minimum SA2½.
- 2- Remove any oil, accumulated dirt, dust, and soluble salts from surface.

RECOMMENDED PAINT SYSTEMS

P : 4744P	(1 to 2) × 100 micron
I & T : 4744T	(1 to 2) × 200 micron



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APPLICATION DATA

Method	Airless spray , Brush (just for inaccessible area or touch up)	
Thinner / Cleaner	T - 404	
Mixing ratio by wt	100 : 13.6	Base : 22 Kg + Hardener : 3 Kg
Pot life (at 20 °C)	1 hr	

- Different thinner with different suffix maybe offered in hot and cold seasons.

Theoretical Coverage :

Dry film thickness (mic)	200	300	400
Coverage (m ² / lit)	3.5	2.33	1.75
Coverage (m ² / kg)	2.12	1.41	1.06

Touch dry (500 mic , 20 °C)	12 hrs
Fully Cured (500 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)	40	20	12
Max. Interval (days)	7	5	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	1.3 - 3 mm		5 - 15
Air less (68:1)	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 .