
EPOXY PRIMER FOR COLD INSULATED SURFACES

Parsimastic 4776LT

DESCRIPTION

* Special designed two component high solid epoxy coating with excellent adhesion and flexibility, which make it capable to cope tensions resulted from sudden temperature changes of substrate. It is specially suited for tanks and pipes which work or going suddenly to below zero temperatures up to minus 25°C.

USES

* As non zinc primer for insulated surfaces specially when temperature range is below zero up to minus 25°C or it suddenly reaches such a very cold temperature.
* As intermediate or top coat in various paint systems.
* Excellent coating for low temperature surfaces which sudden temperature changes are due.

FEATURES

* Excellent mechanical properties.
* Excellent adhesion & flexibility at low temperatures.
* Good weathering resistance .
* Good resistance to splashes of solvents & chemicals.
* High thickness in one step application.

TECHNICAL DATA

Finish	Flat
Colour	Grey
Specific gravity (at 20 °C , Mix)	1.6 ± 0.05 (gr/cc)
Volume solid	70 ± 2 %
Recommended DFT	100-200 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

1 - Remove any dust , oil and moisture .
2 - Abrasive blast up to SA 2½ , if blasting is not possible, wire brush up to white metal surface near to SP 11 .

RECOMMENDED PAINT SYSTEMS

1 - As primer for insulated surfaces:
P : 4776LT 100 - 200 micron
2 - As paint system:
P & I & T : 4776LT OR 2 or 3 x (100 - 200) micron
T : 6591 (all series) 50 - 100 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 : 13.64	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)	100	150	200
Coverage (m ² / lit)	7	4.66	3.5
Coverage (m ² / kg)	4.37	2.92	2.18

Touch dry (500 mic , 20 °C)	6 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)	48	24	12
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 - 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 .