
SOLVENT BASED EPOXY PRIMER

Parsilac 4001

DESCRIPTION

* Solvent based two component polyamide epoxy primer or top coat with high adhesion to metals and concrete. It has a deep diffusion to concrete capillaries.

USES

- * Good primer/sealer for concrete surfaces, specially in solvent based epoxy painting systems .
- * Excellent anti-dust coat for concrete walls .
- * Adhesion coat for epoxy painting systems .

FEATURES

- * Excellent adhesion to concrete , steel and nonferrous .
- * Long pot life .
- * Good resistance to splashes of oils, aliphatic solvents, dilute acids , alkalis and electrolytes .
- * Good mechanical strength .
- * For better solvent release do not apply in thick layers .

TECHNICAL DATA

Finish	Gloss
Colour	Clear
Specific gravity (at 20 °C , Mix)	1.00± 0.02 (gr/cc)
Volume solid	53± 2 %
Recommended DFT	50 - 150 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

- 1 - Any loose parts of concrete should be removed by mechanical procedures such as blasting & sanding .
- 2 - Surface should be free of any dirt, dust, oil & moisture (at least 4 weeks after concrete formation)

RECOMMENDED PAINT SYSTEMS

P : 4001	50 - 150	micron
I : 4204(all series), 4211(all series), 4205ZP	100 - 200	micron
OR : 460PT1 depended on surface roughness	300 -1000	micron
T : 6591(all series), 4392	50 - 80	micron

Note: It is not recommended for thick layer paint systems like epoxy flooring.

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APPLICATION DATA

Method	Air / Airless spray , Brush (just for touch up)		
Thinner / Cleaner	T - 404		
Mixing ratio by weight	100 : 50	Base: 10 kg + Hardener : 5 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)	50	70	100
Coverage (m ² / lit)	10.6	7.57	5.3
Coverage (m ² / kg)	10.6	7.57	5.3

Touch dry (50 mic , 20 °C)	1 hr
Fully Cured (50 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)	20	16	12
Max. Interval (days)	7	6	5

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.

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 & 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 .