



TARALAC®

TARA PAINTS & CHEMICALS

(An ISO 9001:2015 Certified Company)

A - 423 / 14, Mahagujarat Industrial Estate, Sarkhej - Bavla Road, Lane Behind Satyam Arcade,
Village : Moraiya, Ahmedabad - 382 210, Gujarat (India)

Tel: (F): +91 8000011774, E-mail: taralac@hotmail.com , taralac@taralac.com Website: www.taralac.com

2781-2784 Epoxy Mastic [4:1]

TARALAC EPOXY MASTIC PAINT is a solvent-based, amine curing two-pack surface tolerant epoxy systems with satin finish & very high volume solids between 80 – 90%. Intended to be used directly on metal after proper surface preparation.

Major Uses:

TARALAC EPOXY MASTIC PAINT is specially formulated to give excellent coating for steel structures, concrete and ideal for the application for commercial, industrial and chemical plants, tank lining for storage of ATF and other petroleum products. It is also suitable for storage of vegetable oils, fresh or saline water.

Advantages:

- Chemical and abrasion-resistant.
- Gives corrosion-resistant to steel.
- Non – toxic when fully cured.
- Available in a long range of colours.
- Passes MIBK curing test
- No primer required & can be applied directly to metal
- Fast Drying & curing even at low temperatures
- Good anti-sagging capability at very high DFT.

Characteristics and Physical Properties:

Colour	Any choice of colour.			
Mixing Ratio	4: 1 (by volume)			
Volume Solids	75% - 90%			
Pot Life	10°C (50°F) 12 hours	15°C (59°F) 10 hours	25°C (77°F) 1 hour	40°C (104°F) 1 hour
DFT/ coat	100 – 250 microns depending on the tip size			
Flash Point	22°C.			
Gloss @60	45 – 65%			
VOC	100 – 250 gm/lit			

To Recoat	3 – 5 hrs.
To Hard dry	12 hrs – 16 hrs.
Fully Cured	5 Days.
Overcoat	Minimum – 18 hrs Maximum – 5 days
Shelf Life	1 year.
Coverage	8 – 10 m ² / lit.
Dry Heat Resistance	Up to 150 C

Mixing and Application:

Mix component A and B at specified ratio ensuring they are completely homogenous. After thoroughly mixing, allow the mixture to stand for 10 – 15 minutes. Apply either by brush, roller or airless spray gun. Method of Application: By brush, roller airless and Conventional Spray



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Spray Data

Conventional Spray

Nozzle Orifice	2 – 3mm.
Nozzle Pressure	43 – 57 psi
Dilution	5 – 10 %
Thinner	Taralac Epoxy Thinner

Airless Spray

Nozzle Orifice	0.38 – 0.46 mm
Nozzle Pressure	1138 - 1710 psi
Dilution	10 - 15% if required
Thinner	Taralac Epoxy Thinner

Typical Recommended System:

Chemical Resistance:

Salt Spray test 1000 hrs	- Passes as per IS 101
Hydrochloric Acid	- Very Good.
Nitric Acid, 10%	- Good.
Acetic Acid, 5%	- Good.
Sulphuric Acid, 20%	- Good.
Phosphoric Acid, 20%	- Good.
Lactic Acid, 20%	- Good.
Sodium hydroxide, 50%	- Very Good.
Petrol	- Very Good.
Alcohol	- Very Good.
Ketones	- Good.

Surface Preparation:

Steel:

The surface must be clean, dry and free from dust, oil, grease and some foreign matters. Recommended methods for repairing steel are by SA 2 ½ sandblasting, wire brushing and de-rusting.

Concrete:

Allow new concrete to cure for 28 days, and surface should be sound and no strange particles prior to application. Ensure that the surface to be coated is properly etched and washed before the application of Taralac Epoxy

Storage:

Keep resin and hardener in a cool place below 25°C. Keep the container tightly closed. The shelf life is 12 months minimum.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner as soon as possible.

Limitations and Dos & Don'ts:

- When The Epoxy coating is exposed to UV Light, either directly or indirectly, it causes a noticeable and permanent damage as a result of photo degradation, including loss of gloss, ambering (i.e a yellow discoloration) and for the coloured one chalking and breakdown of the coating may also result.
- Do not apply when the temperature below 5 C & above 45 C and when the relative humidity rises above 90%. Do not apply during rain, fog or mist.
- Use mixed paint within stipulated pot life period.
- Use of thinner other than supplied or approved by TARALAC may adversely affect product performance and void product warranty whether express or implied.



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Physiological Hazards:

Keep Resin and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling the vapour.



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