



EPOXY COAL TAR # 250 SF

General Description:

EPOXY COAL TAR # 250 SF is based on solvent – free epoxy resins, modified with coal tar designed for corrosion protection of concrete and steel exposed to corrosive atmospheres. EPOXY COAL TAR # 250 SF coating exhibits outstanding water and crude oil resistance.

Major Uses:

- Storage tanks.
- Pipelines (interior and exterior)
- Structural steels.
- Sewage treatment plants.
- Marine structures.
- Sewage pipes and others.

Advantages:

- Flexible
- Excellent adhesion.
- Resistant to chemicals and solvents.
- Abrasion and impact resistant.
- Maintenance – free corrosion protection.
- Provides hi – build coating.
- Temperature resistant in the range of – 30°C to 0°C in dry environments and up to 90°C in wet environment.
- Cost savings – primer less system.

Characteristics and Physical Properties:

Color	Black
Mixing Ratio	1 Part A – 1 Part - B
Volume Solids%	100
Coverage (Theo.)	3 – 5 m ² / lit.
Dft. / Coat	200 microns.
Wft. / Coat	295 microns.
Flash Point	20 ⁰ C
Pot Life @25 ⁰ C	1 - 2 (Shorter at high temp.)
Mixed Viscosity, Poises, # 3,10 R.P.M	80
SAG (@ 5 Mils)	Non – Sagging
Penetration, cm. 120 hr. Cure	3 / 100
Application Temperature	35 ⁰ F To 60 ⁰ F
Drying Time @ 25⁰ C	
Surface Dry	4 – 6 hrs.
Initial Hardness	24 hrs.
Full Cure	7 Days.
Overcoating Interval	over night (min.) 3 – 5 days (max.)

Chemical Resistance:

(Test results with some common chemicals)

Water	- Excellent
Oils, Vegetable and minerals	- Excellent
0.880 Ammonia	- Excellent
Seawater	- Excellent
Ferric Chloride	- Excellent
Raw sewage	- Excellent
10% Hydrochloric acid	- Excellent
25% Sodium Hydroxide	- Excellent
10% Sulphuric acid	- Excellent
10% Phosphoric acid	- Very good
10% Nitric acid	- Good

For customer services department should be consult for specific recommendations to meet each operation condition.

Surface Preparation:

Concrete:

Remove curing compounds form oil, salts, laitance and other contaminants. Wash with multi – etch sol'n and thoroughly rinse with water. Concrete should be clean and dry before coating.

Steel:

Surface should be sandblasted to a commercial grade. When the surfaces are to be subjected to severe conditions, blasting to a near white grade is recommended.

Mixing :

Mix base and hardener as per specified ratio and allow 10-minute induction time. Apply several coats rather than one thick coat especially when internally coating pipes and tanks. Observe carefully maximum coating intervals.

Application:

EPOY COAL TAR # 250 SF can be applied by brush, roller, airless. Airless spray is preferable since pinholing and overspray are minimized. For best results, use two coats 100 microns each. The first coat should be tack free before the second coat is applied. Tack free times increase with thicker films. In any event, not more than 24 hours should be allowed between coats.

Method of Application: By brush, roller ,airless
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Airless	
Nozzle Orifice	0.38 – 0.46 mm.
Nozzle Pressure	1138 - 1710 psi.

Storage:

EPOXY COAL TAR # 250 SF should be kept in cool place below 25⁰C. Shelf life of 12 months minimum in a tightly close container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

Packing:

Available in 4 lit. set and 20 lit. set.

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 vapor.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

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