

General Description:

EPOXY COAL TAR # 250 is two pack epoxy formulations containing inert, reinforcing filler, blended with coal tar, designed for corrosion protection of concrete and steel exposed to corrosive atmospheres.

EPOXY COAL TAR # 250 exhibits outstanding water and crude oil resistance.

Major Uses:

To provide protection to concrete and metal structures in aggressive environments such as:

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

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.
- Easy application
- Provides long term protection

Characteristics and Physical Properties:

Colour	Black/Dark Brown
Components	2
Mixing ratio	2 : 1
Volume solids	80%
Flash point	>20°C
Coverage	2.5 – 4.0 m ² /L
Specific gravity	1.10 kg/L
Pot life	
@ 20°C	4 hours
@ 35°C	2 hours
DFT	200 – 300 microns
Surface dry	8 hours
Initial hardness	24 hours
Overcoating interval	24 hours (min) 3-5 days (max)
Full cure	7 days
Water absorption	0.2 %
Elongation at break	30%
Tensile strength	9.0 N/mm ²

Chemical Resistance:

(Test results with some common chemicals)

Water	Excellent
Ammonia	Excellent
Sulphuric acid, 10%	Very good
HCl, 15%	Very good
Nitic acid, 10%	Good
Sodium Hydroxide	Excellent
Sewerage water	Excellent
Chlorine	Very good
Vegetable oil	Excellent
Ferric chloride	Good
Turpentine	Excellent
Sea water	Excellent

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.

MAS PAINTS & CHEMICAL INDUSTRY

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

TEL NO: 009716 5311777; FAX: 009716 5311330

Website : <http://www.mas-paints.com>

Email : masuae@emirates.net.ae



Surface Preparation:

Concrete:

Remove curing compounds form oil, salts, laitance and other contaminants. Wash with multi etch solution 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 make sure that the entire contents of the hardener should be added to the base 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 can be applied by brush, roller, airless. Airless spray is preferable since pin holing 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: Brush, roller, Airless Spray	
Spray Data (Airless)	
Nozzle orifice	0.38 – 0.46 mm.
Nozzle pressure	1138 – 1710 psi
Dilution	0 – 5%
Thinner	Thinner # 135

Note: The temperature of the substrate should be minimum 15°C and 3°C above the dew points of air, temperature and relative humidity must not exceed 95%.

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Storage:

EPOXY COAL TAR # 250 should be kept in cool place below 25°C. 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 vapour.

