

## General Description:

EPOXY COAL TAR # 300 is a two component solvent – free, tar extended epoxy coating system. It has high resistance to abrasion and impact. It is designed as an elastic coating material for cement – bonded substrates, iron and steel. It has excellent chemical resistance against diluted acids, alkalis, salt, mineral, oils, aliphatic hydrocarbons, vegetable oils and seawater.

## Major Uses:

EPOXY COAL TAR # 300 provides protection to concrete and metal structures on extreme environments. Ideal to use for storage tanks, pipelines (interior and exterior) sewage treatment plants and as a corrosion control in shipbuilding. Also suitable for underground, foundation waterproofing and exterior sealing for concrete surfaces.

## Advantages:

- Abrasion and impact resistant.
- Temperature resistant.
- Provides virtually maintenance free corrosion protection.
- Provides high build coating in single application.
- Excellent chemical resistance.
- Easy to apply.

## Characteristics and Physical Properties:

Colour	Black/Dark Brown
Components	2
Volume solids	100%
Flash point	>50°C
Coverage	2.5 – 4.0 m <sup>2</sup> /L
Specific gravity	1.10 kg/L
Pot life @ 25°C	1 hour
DFT	250 – 400 microns
Surface dry	8 hours
Initial hardness	24 hours
Full cure	7 days
Water absorption	0.2 %
Elongation at break	32%
Tensile strength	9.8 N/mm <sup>2</sup>

## Chemical Resistance:

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
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

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## Surface Preparation:

### Concrete:

Surface must be carefully examined to make sure it is suitable and structurally sound base. Remove curing compound - 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. Pinholes should be patched with H.D. Grout and Mortar or Epoxy non-shrink putty # 69.

### Steel:

Surface should be sand blasted to commercial grade. When the surface are to be subjected to severe conditions, blasting to a near white grade as per S.S 2 ½ is recommended.

## Mixing and Application:

Mix both components as per specified ratio until a homogenous mixture is obtained. It is very essential that component A and B are thoroughly mixed and that no traces of the components remain unmixed. Let stand for 5 – 10 minutes induction time to allow bubbles to burst prior to application.

EPOXY COAL TAR # 300 may be applied by brush, roller and airless spray. Rate of application using airless is faster. It is important to apply in several coats instead of one thick coat to prevent entrapment of bubbles.

<b>Method of Application:</b> 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 min 15°C and 3°C above the dew points of air, temperature and relative humidity must not exceed 95%.

## Cleaning of Tools:

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

## Storage:

It should be kept in cool places below 25°C. Shelf life of 12 months minimum on a tightly close container.

## Packing:

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

## Precautions:

EPOXY COAL TAR # 300 in its liquid state is harmful if swallowed, 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 in haling vapour. If contact with eyes occurs, splash with fresh water and seek immediate medical advice.

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