

CAP TAR EPOXY

COAL TAR MODIFIED WATERPROOF EPOXY

DESCRIPTION

CAP TAR EPOXY is a thixotropic two component epoxy coal tar coating comprising of a special blend of pitch, epoxy resin and a medium viscosity hardener. It is designed for protection and waterproofing of concrete, steel, aluminum and wooden structures exposed to corrosive atmosphere.

COLOUR

Black

STANDARDS

CAP TAR EPOXY COMPLIES with the specifications of BS 1070 and BS 3900.

USES

CAP TAR EPOXY is a coating system for the protection of steel, iron and concrete. The main field of application is tank lining, penstocks, bridges, non potable water tanks, sewage treatment plants, and cargo ballast tanks. It is also used for service in wet or dry environments. Suitable for industrial coating in power plants, oil production and refining plants, coal hoppers, storage hopper for dry cement (promotes easy discharge) and as liner for cement slurry tanks.

Skid resistant qualities are restored to worn and polished pavements when used with selected grade of aggregates.

ADVANTAGES

- Flexible.
- High resistance to water.
- Excellent chemical and abrasion resistance.
- Impact resistant.
- Excellent corrosion resistance.
- Quick drying.

PROPERTIES

Unit weight kg /liter	1.45
Pot life hrs @ 25 ⁰ C	3-4
Over coating time hrs @ 25 ⁰ C	Min 24
Initial cure hrs	Max 24
Final cure days	Max 1 week

Finish	: Semi gloss
Solids; w/w	: min. 70%
Recommended film thickness	: 140 µm/coat (dry)

Resistance of film:

The fully cured coat is resistant to,

- Sea water.
- Ground water.
- Sewage water.
- Atmospheric conditions.
- Abrasion.
- Vegetable oils, mineral oils and fats.
- Mold, bacteria and organic growth

Coverage:

Normal coverage rate is 5 m²/ltr @ 140µm dry film thickness. The figures mentioned is theoretical and might vary with the nature and variety of substrates and method of application.

DIRECTIONS FOR USE

Surface preparation:

Concrete:

Concrete should be minimum 28 days old. The substrate must be firm dry and free from oil, grease, curing compounds and all other contaminants. All loose particles and excess laitance should be removed by mechanical or chemical methods.

Steel:

Remove dirt, oil, grease, paint, rust, mill scale and other impurities by sand blasting, steam cleaning or wire brushing to bright metal.

Mixing:

CAP TAR EPOXY is a two component pre weighed material (base & hardener), which are ready for immediate on-site use. Stir each component separately, with slow speed drill having a mixing paddle attachment. Transfer Part B to Part A and mix together for 3- 5 minutes. Carefully scrape the sides and bottom of the pail during mixing to reduce the wastage. Mix three to four parts of aggregate by mass, when preparing epoxy mortar.

Mixed epoxy cures much faster in hot weather than in cold weather.

Application:

CAP TAR EPOXY can be applied by roller, brush or by air less spray unit to achieve required thickness

Apply 2 to 3 coats of cap tar epoxy depending on the dry film thickness and level of Protection Required for non skid surfaces, broadcast sharp aggregates on the first coat while it is still wet. Apply a second coat, when First Coat dries up. Extension up to 5 % is permitted with **CAPTHINNER** to achieve required consistency.

CLAENING OF TOOLS

Immediately after use, remove uncured **CAP TAR EPOXY FROM** tools and equipment by using **CAP THINNER**. Cured material may only be removed mechanically.

PACKAGING

15 liter and 4 liter kit.

STORAGE

Store under shade between 10-35⁰ C temperatures

SHELF LIFE

12 months in sealed original containers, under recommended storage conditions.

HEALTH AND SAFETY

Keep container closed when not in use. Both components are irritant prolonged contact with Skin or eye may cause sensitization.

FIRST AID

Skin contact: wash thoroughly with soap and water

Eye contact – Flush immediately with clean water and contact a physician.

Respiratory Problem: remove affected person to fresh air immediately and contact physician.

Hygiene: wash hands immediately with **CAPTHINNER** followed by soap and water

Rev: 02 Mar 2016

TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note: The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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