

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 at 23°C; kg/ltr	:1.34
Pot life at 10°C; hours	: 6
at 25°C; hours	: 3
at 35°C; hours	: 2
Over-coating time 23°C; hrs	: Min. 1 day, max. 3 days

Initial cure	Within 24 hours
Final cure	One 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:

Stir each component separately. Mix 6 parts of A with 1 part of B (by weight) or 4 parts of A with 1 part of B (by volume) in a clean mixing container with a slow speed drill having a mixing paddle attachment. Carefully scrape the sides and bottom of the pail during mixing. Reduce wastage by not making up more material that can comfortably be applied within the pot life. 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.

CAP TAR EPOXY

Coal Tar Modified Waterproof Epoxy

Application:

CAP TAR EPOXY can be applied by roller, brush or by airless spray unit to achieve uniform thickness.

Apply 2 to 3 coats of CAP TAR EPOXY depending upon 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 EP, to achieve required consistency.

CLEANING OF TOOLS

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

PACKAGING

CAP TAR EPOXY is packed as 20 ltr (A+B) kit and 4 ltr (A+B) kit. CAPTHINNER EP is packed as 5 ltr packing.
Shelf life

STORAGE

CAP TAR EPOXY should be stored under shade at temperature Between 10⁰ c -35⁰ c

SHELF LIFE

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

SAFETY PRECAUTIONS

- Keep container closed when not in use.
- Keep out of reach of children.
- 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 immediately.

Respiratory problems:

Remove affected person to fresh air immediately and contact physician.

Hygiene:

Wash hands immediately with CAPTHINNER EP followed by soap and water, after us

Rev. 01 August 2008

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.

As all Ahlia Technical Data Sheets are updated on a regular basis, it is the user responsibility to collect most recent issue.