



# ULTRA COAL TAR EPOXY (CTE-49)

## HIGH SOLID PROTECTIVE COATING

### Admixtures

### Surface Treatments

### Protective Coatings

### Concrete Repairs

### Industrial Flooring

### Grouts & Anchors,

### Adhesives,

### Water Proofing

### Sealants

#### Description

ULTRA COAL TAR EPOXY (CTE49) is a high solids, high-build polyamide cured coal tar epoxy coating with excellent resistance to sea water, crude oil, various soil chemicals and soil stress that grants them a very long life. It's designed to protect steel and concrete surfaces. . It is commonly used to make high solids coatings or paints to provide moisture protection for underground systems like pipelines, water treatment facilities, clarifiers, and to give excellent overall corrosion protection.

#### Area of use:

Recommended to use for long-term corrosion protection of steel and concrete substrates against water, wastewater, seawater, alkaline water and acidic water corrosion. It is especially suitable where extreme corrosion resistance is required for under-ground pipes and foundations submerged surfaces splash zone. It can be applied on under water part of the ship and under surface of vehicles. Excellent resistance to chemical attack encountered on both steel and concrete including buried pipes

#### Features and Benefits:

Has excellent adhesion property over a steel and concrete when applied without primer.

Suitable for varied end application i.e. ideal for heavy industrial, chemical, marine, splash and spillage, fresh water, sea water or chemical immersion.

Excellent resistance to acidic water, alkalis, salts, oils, petroleum solvents and water

Has excellent impermeability to water and chemical vapours  
Tough hard film that serves as single protective coat in severe corrosive conditions. (Topcoats are recommended for maximum protection)

Unattacked by alkanity and salts in soil-water.

Provides long-term protection and is economical.

Can be brush or spray applied

Excellent adhesion with steel, cement, concrete and galvanized iron.

Provides a semi-gloss with a matte surface finish

#### Surface Preparation:

##### STEEL:

All contaminants shall be removed from the steel surface to be coated. Remove oil, dust, and grease and other contaminants that could interfere with adhesion of the coating. Surfaces shall be free from projections. All weld spatter must be removed along weld seams, rough welds should be ground smooth, and all sharp edges should be ground to a smooth radius.

#### Concrete:

Concrete must be cured 30 days at 77°F (25°C) and 50% relative humidity. All surfaces shall be prepared in accordance with ASTM D4258 and ASTM D4259. All voids in concrete shall be filled and repaired.

Remove old paint from surfaces completely and make sure that the surface is clean, dry, free from dust, oil, grease, salt and old paint. Fill the holes and cracks with suitable fillers "Ultra Grout" prior to application of the coating.

Hand or power tool clean to remove all loose or unsound concrete, masonry, or previous coating. Etch the surface with 10-15% hydrochloric acid diluted in water. Allow the acid solution to remain on the surface for 10 to 15 minutes or until the bubbling stops. Thoroughly rinse the surface to remove all traces of acid. Allow the surface to dry completely before coating..



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### TECHNICAL DATA

Name/ Description	Ultra Coal Tar Epoxy(CTE49)
Type	Two pack cold cured
Composition	Polyamide With refined Coal Tar
Colour	Black
Finish	Smooth and Semi - Glossy
Volume Solids (mixed)	75%± 3%
Mixing Ratio	Base : Hardener 8 : 2 by volume
Pot Life @ 30 ° C	3 to 6 hours
Dry film thickness per coat	100 to 120 microns
Coverage	6.5 to 6 m <sup>2</sup> /Kg
Drying Time @ 25 ° C Dry to touch Hard Dry Recoat Full Cure	2 to 4 hours Overnight 24 hours 7 days
Dry heat resistance	120C

### HEALTH AND SAFETY:

Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist. This product is flammable. Keep away from sources of ignition. Do not smoke.

### CLEANING:

Clean equipment with Xylene, Toluene or equivalent solvent cleaner. If work stoppage happens, then all material must be cleared out as to not allow product to set within equipment.

### STORAGE:

Minimum 1 years when stored in original unopened containers at 41°F (5°C) to 113°F (45°C).

### PACKING

5kg, 15kg

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