

# BENZIPOX COAL TAR EPOXY

Two Pack High Build Coal Tar Epoxy

**BENZIPOX COAL TAR EPOXY** is a two pack high build coal tar epoxy coating designed for use as a high build protective system on both steel and concrete surfaces. It can be applied up to 200 microns or even thicker in one coat, thus eliminating potential inter-coat adhesion problem. It is intended for immersion and non-immersion services which require excellent protection against fresh and salt water, abrasion and splashes of corrosive chemicals. It is recommended to be used in aggressive environment including harbor shore installation, marine structure, jetty piles, ship bottom, sewage treatment plant, ballast tank, chemical plant and etc.

**Standard Packing** : 5 litres & 15 litres

### Technical Information

Mixing Ratio (By Volume) : 1 : 3 (Base : Hardener)  
 Binder : Polyamide  
 Finish : Soft Matt  
 Color : Black, refer BENZI High Performance Coating color card  
 Thinner : Thinner  
 Solid Content : 85% (by weight); 78% (by volume)  
 Dry Film Thickness : 125 - 300 microns / coat  
 Theoretical Coverage : 6 m<sup>2</sup> / litre / coat (DFT of 125 microns); 3 m<sup>2</sup> / litre / coat (DFT of 300 microns)  
 No. of coats : Minimum 2 coats  
 Touch Dry @ 30°C : 1 - 2 hours (depends on temperature and humidity)  
 Recoating Interval : Minimum 10 hours  
 Curing Time @ 30°C : 4 - 5 days  
 Pot Life @ 30°C : 2 - 3 hours after mixing of Base and Hardener  
 Shelf Life : Minimum 12 months if properly stored

### Typical Painting System

Substrate	Primer (1 coat)	Intermediate (1 coat)	Topcoat (1 coat)
Ferrous Metal	* BENZIPOX Inorganic Zinc Rich Primer	BENZIPOX Coal Tar Epoxy	BENZIPOX Coal Tar Epoxy
Concrete	** BENZIPOX Mastic 88	BENZIPOX Coal Tar Epoxy	BENZIPOX Coal Tar Epoxy

\* Recommended to apply a mist coat dilution up to 30% of BENZIPOX Inorganic Zinc Rich Primer onto the substrate prior to full application of the same, as to avoid popping, blistering and delamination in service.

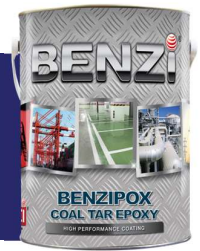
\*\* Recommended to dilute the primer (BENZIPOX Mastic 88) with 30% Thinner as to provide better penetration and adhesion to concrete surface.

### Application Methods

Brush / Roller : Recommended for small area and touch up such as stripe coating, weld-seams, edges, corner, rivets etc. Dilute up to 5% of Thinner if necessary.  
 Conventional Air Spray : Dilute up to 10% of Thinner if necessary  
 Airless Spray : If thicker coat in one application is required, airless spray application is recommended. Dilute up to 5% of Thinner if necessary  
 Handling : Mix the Base and Hardener in correct ratio and stir the paint thoroughly until completely mixed before painting  
 Clean Up : Clean all paint equipment with Thinner immediately after use

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## Surface Preparation

### Ferrous Metal Surface

For optimum performance, mild steel surface shall be abrasively blasted in accordance to Swedish Standard Sa 2.5. If abrasive blasting is impossible, mechanical cleaning to St 3 is essential. If oxidation occurred on the blasted steel before application of paint, it is necessary to reblast the steel. The surface must be dry and free from any abrasive residues, dirt, grease and other contaminants prior to painting.

### Concrete Surface

Newly laid concrete surface must be allowed to cure for at least 28 days, ensure the surface is below 16% moisture content as measured by protimeter and alkalinity below PH9. If alkalinity is high, neutralize the surface by etching with 5% Sulphuric Acid solution and rinsed thoroughly with clean water and allow to dry completely prior to painting.

## Storage

Keep container tightly closed and in a secure upright position, store in a cool and shady place, do not expose directly to sunlight and extremes of temperature. Keep out of reach of children.

## Safety, Health and Environment

Ensure good ventilation during painting, do not breathe vapour or spray mist. Keep doors and windows open during application and drying. It is advisable to wear mask and eyes protector while applying. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accidental ingestion, DO NOT INDUCE VOMITING, seek immediate medical advice. To remove splashes of paint from skin by using water and soap or skin care product. Do not empty paint into drains or water courses, dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

Materials Safety Data Sheet ( MSDS ) is available upon request.

## DANGER

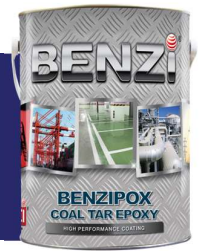


**Hazard Statement:** Flammable liquid & vapour. May be fatal if swallowed & enters respiratory tract. Harmful if in contact with skin. May cause allergic or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation & allergic skin reaction. Very toxic to aquatic life with long lasting effects.

**Precautionary Statement:** Keep out of reach of children. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Wear protective gloves, eyes protector, face protector. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents & container in accordance with all local, national or international regulations.

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### **Limitation of Liability**

Liability of MCI Paint Sdn Bhd on any claim of any kind, including claims based upon negligence of MCI Paint Sdn Bhd, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall MCI Paint Sdn Bhd be liable for consequential or incidental damages.

### **Disclaimer**

The above information is given to the best of our knowledge based on laboratory tests and practical experiences. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to change the given information without prior notice due to production refinements arising from continuing research and development, which may result in changes in the paint properties.



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