

Reference: 06ECTBLA
Issue Number: 0
Issue Date: March 2009
Supersedes Issue: -

EPICOL CT EPOXY

PRODUCT DESCRIPTION

A heavy duty two pack coal tar epoxy, which is water impermeable and chemically resistant. The cured film is abrasion and impact resistant.

USES

For the protection of steel and concrete in exposed and submerged conditions, especially jetties, steel piles and barges. At recommended film thickness, please allow a minimum of 48 hours curing at 20°C prior to immersion.

TECHNICAL PROPERTIES

Colour	Black
Finish	Matt
Curing Agent	Epicol CT Epoxy Curing Agent
Mix Ratio	9:1 by volume
Specific Gravity	1.3
Volume Solids	55%
Recommended Film Thickness	182 – 455µm WFT / 100 – 250µm DFT
Theoretical Spreading Rate	2.2 - 5.5 m ² /Lt
Application Method	Brush, Roller, Airless Spray
Flash Point	28°C
VOC	380g/Lt

Drying Times	10°C	20°C	30°C
Touch Dry	3 hours	2 hours	1 hour
Hard Dry	24 hours	18 hours	12 hours
Full Cure	7 days	5 days	3 days
Minimum Overcoat	24 hours	18 hours	12 hours
Maximum Overcoat*	48 hours	48 hours	48 hours

**Surface to be dry and free from contaminants. When maximum recoating time is exceeded, the surface must be abraded before overcoating to ensure intercoat adhesion.*

CERTIFICATION/APPROVALS

RECOMMENDED SYSTEMS

For maximum protection of steel, it can be primed with either Bondon 072 or Bondon 110. For porous concrete, it can be firstly be primed with Floorcote Epoxy Sealer.

SURFACE PREPARATION

<u>Steel:</u>	The performance of this product is directly related to the degree of surface preparation. For maximum performance the surface should be degreased to a minimum standard of SSPC-SP1 and then abrasive blast cleaned to a minimum standard of SA 2½ ISO 8501-1:1998. This product can then be applied either on top of a compatible epoxy primer or direct to metal. If grit blasting is not possible, then wire brush to a minimum standard of ISO 8501-1:1998 ST 2 . Remove all poorly adhering paint, loose rust, mill scale, oil and grease prior to applying this coating.
<u>Masonry & Concrete:</u>	Remove all laitance and loose surface contaminants by sweep blasting. Can either be primed with Floorcote Epoxy Sealer or thin first coat 20%.
<u>Existing Coatings:</u>	If this product is being applied over an existing aged coal tar epoxy, remove surface contamination by detergent or high pressure water jetting, and lightly abrade the surface by sweep blasting or rubbing with sand paper or mechanical abraders.

PRODUCT APPLICATION

Mixing	4.5 lts Base to 0.5 lts Curing Agent by volume. Mix thoroughly before use. Pot life 8 hours at 20°C.
Thinners	Thinner No.5
Brush	Recommended. Multiple coats will be required to reach recommended dry film thickness.
Roller	Recommended. Multiple coats will be required to reach recommended dry film thickness.
Airless Spray	Use tip 0.43 – 0.53mm (17-21 thou) and air pressure 2100 – 2800 psi. Can be thinned with up to 5% Thinner No.5
Cleaner	Thinner No.5
Cleanup Considerations	All equipment should be cleaned immediately after use with Thinner No.5 It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied. Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet supplied by Spencer Coatings Limited.
The user must observe local health, safety and environmental regulations when using this product.
Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

PACK SIZES

5Lt composite

PACK WEIGHTS

5 litre (mixed): 6.92kg

STORAGE CONDITIONS

Store away from extremes of temperature. Shelf Life of minimum 12 months in unopened containers.

LIMITATIONS

At 100-250µm total DFT please allow a minimum of 48 hours at 20°C prior to immersion, as this will limit the amount of discolouration seen. If discolouration occurs, this will not affect the performance of the coating. Minimum application temperature is 7°C. Do not apply when RH exceeds 85% or the surface is less than 3°C above dew point.

DISCLAIMER

The information given in these specifications and technical advice - whether verbal, or in writing or by way of trials is for guidance only and is given in good faith, but without warranty. This also applies where proprietary rights or third parties are involved. Any person using Spencer products without first making further enquiries as to the suitability of the products for the intended purpose and testing the products to assess their fitness for the purpose does so at their own risk. The application, use and processing of the products are beyond our control and are therefore your own responsibility, and we can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. The information contained in these data sheets is liable to modification from time to time in the light of experience and our policy of continuous development.

It is the user's responsibility to ensure that this sheet is current prior to using the product.