



# SCB COALTAR EPOXY 85

## COALTAR EPOXY

### DESCRIPTION :

This paint is recommended for use both as a primer and finish coat(s) over clean steel which has been blast cleaned. It utilizes to best advantage the water and saltwater resistance of coaltar pitch and excellent adhesion and resistance to chemicals, heat and oil of epoxy resin. This paint effectively protects surfaces against corrosion over long periods especially where high resistance to water and abrasion is required.

### GENERAL FEATURES :

- \* Rustproofing of pipe lines.
- \* Corrosion and wear protection for port facilities.
- \* Corrosion protection of chemical plant equipment.
- \* Rustproofing on ships (bottoms, decks, tanks hatches, etc.)
- \* Rust and corrosion protection for metal and concrete

### PRINCIPAL USES :

General Industrial and marine : Steel and Concrete  
For industrial exposures where high chemical resistance is necessary. Also recommended for marine exposures of all types, including underwater areas, and stationary offshore structures.

A two coat system of SCB Coal Tar Epoxy provides excellent resistance to abrasion, fresh water, hydrocarbon, caustic, an acid fumes and pillage.

Tank Linings : Steel and Concrete - SCB Coal Tar Epoxy is an excellent tank lining system suitable for fresh water,

salt water, caustic, some acids and SCB Coal Tar Epoxy when applied in a two coat over properly prepared surfaces.

### GENERAL PHYSICAL PROPERTIES :

Average Solids, % by volume : 70%  
Minimum Recoat interval, hrs. at 25°C : 6  
Maximum Recoat interval, hrs. at 25°C : 72  
Film Thickness :

Wet film thickness 110 - 180 microns  
Dry film thickness 75 - 125 microns

Color : Black, Brown  
Drying Time : touch dry 2 - hrs.  
Coverage : Approx. 35.3 m<sup>2</sup>/coat/U.S. Gallon  
without thinning

Specific Gravity (A+B) : 1.32 + 1.34  
Mixing Ratio (A/B) :  
4 parts of base A to 1 part of curing B

Pot life : 6 hrs. at 25°C  
Viscosity (A+B) : 28 K.U. at 25°C  
Flash point : Above 23°C  
Thinner : Thinner No. 5

Application : By brush, roller or airless-spray

### Chemical Resistance :

10% NaOH(Sodium hydroxide)	excellent
5% Sulfuric Acid	excellent
Distilled Water	excellent
3% Acetic Acid	good

CONDITION FOR TEST : Immersion Test on full sample panel after submersion for 28 days.

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### SURFACE PREPARATION :

#### STEEL :

- \* Immersion Service or other severe services :  
White Metal Blast (SSPC-SP5-63) (Sa 3)
- \* Non-immersion Services :  
Commercial Blast (SSPC-SP6-63) (Sa 2)

#### CONCRETE :

- \* Surfaces should be lightly abrasive blasted to provide a clean, rough surface free of all dirt, laitance, loose concrete, etc. An acid etch of 10% muriatic acid may also be used; however, the surface must be flushed with fresh water and allowed to thoroughly dry before coating. New Concrete should be allowed to age for 30 days prior to coating.

#### APPLICATION INFORMATION :

SCB COAL TAR EPOXY 85 is not recommended for continuous exposure to strong oxidizing acids, chemical solvents, or demineralized boiler feed waters.

Method of Application : SCB Coal Tar Epoxy 85 is normally applied by Airless Spray Equipment to obtain maximum film build per coat. The product should be applied as received without thinning. However, if thinning is required, thin up to 10% by volume with Thinner No.5 For best results. SCB Coal Tar Epoxy 85 should be applied when the temperature of the steel is 10°C and rising, as the cure of the SCB Coal Tar Epoxy 85 is greatly retarded when the temperature is below 10°C. The temperature of the steel should never be less than 10°C above the dew point of the surrounding air.

Do not apply when surface is less than 10°C or if weather conditions are expected to be less than 10°C shortly after application is completed.

NOTE : Normal recoat time is 6 hours at 25°C ; however, if required, the next coat may be applied after the previously applied coat has become dry to touch (i.e.: when light finger pressure will not cause the coating to be removed from the surface).

#### ALTERNATE APPLICATION METHODS :

- \* Conventional Spray
- \* Brush or Roller (Note: Quick recoat procedure not applicable for brush or roller)

Caution : SCB Coal Tar Epoxy 85 requires 5 - 7 days to obtain full cure at 25°C. Do not place in immersion service until coating is fully cured.

#### Mixing and Clean-up :

Add the total contents of 4 parts of base A to 1 part of curing B Mix well with power stirrer to ensure proper blending of components.

- \* Do not mix more material than can be applied within pot life limits (i.e. 6 hrs. at 25°C).
- \* CAUTION : Higher temperatures will shorten pot life significantly
- \* Never allow converted material to remain in spray equipment.
- \* Flush all equipment with thinner No.5 before and immediately after use.

Thinner : Up to 10% by volume of thinner No.5 may be used to adjust viscosity and extend pot life.

DISTRIBUTOR IN THAILAND :



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