

Anupam Enterprises

Protective Coatings Division

Coroguard SBP - 100

Coal Tar Epoxy

Product Description

Coroguard SBP - 100 is high solids, high build polyamide cured coal tar epoxy coating. The outstanding water resistance of coal tar, together with the chemical and solvent resistance, toughness and adhesion of epoxy resin, combine to give excellent overall corrosion protection.

Features and Benefits

- Easy to apply and can be applied via airless spray, conventional spray, brush or roller.
- Can be used as primer, intermediate or finish coat.
- Suitable for varied end application i.e. ideal for heavy industrial, chemical, marine, splash and spillage, fresh water, sea water or chemical immersion.
- Provides desired film build up to 125 microns per coat.
- Excellent resistance to acids, alkalis, water, salts, oils, petroleum solvents.
- Has excellent impermeability to water and chemical vapours.
- Has excellent adhesion property over a steel and concrete when applied without primer.
- Unattacked by alkality and salts in soil-water.
- Tough hard film that serves as single protective coat in severe corrosive conditions. (Topcoats are recommended for maximum protection)
- Provides long-term protection and is economical.

Recommended uses

Steel structures	Off-shore Platforms
Petroleum Refineries	Sewage Equipments
Concrete surfaces	Pulp & Paper Mills
Silos & hoppers in Cement Industry	Non-potable water tank
Pipelines	Dam Gates
Tidal & Splash Zones	Underground Tanks
Water-proofing on Concrete Structures	Canal Linings
Shipbuilding Industry	Wineries

Surface Preparation:

Steel – The surface should be blast cleaned to **SSPC-SP 10-63T** or **NACE No. 2** i.e. loose rust and scales, dirt, grease, oil, paint, wax, weak oxide films and other contaminants should be removed. Blast cleaning to **SSPC-SP 5-63** or **NACE No. 1** is recommended where heavy corrosive conditions exist or coating is required to be immersed. That means a surface with a grey metallic colour, slightly roughened to form a suitable anchor pattern for coatings. This surface is free of all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and other foreign matter. In absence of blast cleaning, prepare the metal surface by wire brushing, sanding, grinding, scrapping or chipping with hand or power tools. Remove all the contaminants. Apply two coats of **Coroguard SBP - 100**. It can be overcoated with **Durapoxy 200 Epoxy Enamel, Anuthane Enamel Polyurethane or Monocoat Enamel Polyurethane**.

Non-ferrous Metals - Remove dirt, dust, oil, old paint etc. Degrease the surface with degreasing solvents like xylene or tri-chloroethylene. Apply one coat of **Anuprime – 291 Wash Primer** for obtaining maximum adhesion. Apply one or two coats of **Coroguard SBP - 100**.

Concrete – The concrete surfaces must be thoroughly cleaned and free from pits, pockets and holes. Etch the surface with 10-15% muriatic 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 painting.

Resistance Guide:

Immersion @ 30° C

---Fresh water, salt water, gasoline, dilute alkalis, aliphatic solvents.

(Resistance to spillage and splash - not immersion)

- Aliphatic solvents, gasoline, kerosene, fuel oil : **Severe**
- Alkalis : **Severe**
- Aromatic Solvents : **Limited**
- Oxygenated Solvents : **Limited**
- Weak solutions of mineral & organic acids : **Moderate**
- Fats & oils, lubricating oils, cutting oils : **Moderate**

TECHNICAL DATA

Name/Description	Coroguard SBP - 100
Type	Two pack cold cured
Composition	Epoxy Polyamide / Coal Tar
Colour	Black
Finish	Smooth and Semi - Glossy
Volume Solids (mixed)	75± 3%
Mixing Ratio	Base : Hardener 4 : 1 by volume
Pot Life @ 30° C	6 to 8 hours
Dry film thickness per coat	100 to 125 microns
Coverage-(theoretical-no loss)	7.5 to 6 m ² /litre
Serviceability @ 30° C	
Dry to touch	6 to 8 hours
Hard Dry	Overnight
Recoat	24 hours
Full Cure	7 days
Induction (Sweat-in-time) @ 30° C	30 minutes
Dry heat resistance	120° C
Relative Humidity	90%
Application Temperature	
-minimum	10° C
-maximum	35° C
Solvent/Thinner	Anusol - ETP Thinner
Flash Point	23° C
Packing	4 & 20 litres
Shelf Life	6 months
Precaution	Flammable. Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapours.

Notes

- Brushes and spray equipments should be cleaned with **Anusol - ETP Epoxy Thinner**.
- The contents should be stirred thoroughly prior to use.
- After mixing Base and Hardener in recommended proportions, allow for 30 minutes induction period or *sweat-in-time (maturing)* before application.
- When overcoating the weathered or aged **Coroguard SBP - 100** ensure that the coating is fully free from all contamination such as oil, dust, grease, stains etc.
- This coating should always be thinned with **Anusol - ETP Epoxy Thinner**. The use of alternative thinners can severely inhibit the curing mechanism of the coating.

Disclaimer:

Information provided herein is based upon tests believed to be reliable. It does not guarantee the results to be obtained. Nor does it make any express and implied warranty or merchantability, or fitness for a particular purpose concerning the effects or results of such case. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended uses. The application, surface preparation and use of the products are beyond our control and, therefore, entirely your own responsibility.

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