

TWO COMPONENT COAL TAR EPOXY COATING FOR CHEMICAL RESISTANCE

Description

Repcon EP Coal Tar is a two component, epoxy resin system modified with coal tar.

Repcon EP Coal Tar is a Coal Tar Epoxy that has chemical resistance properties. It is preventing corrosion. It was used as a concrete, metal or steel structure. It is highly resistant to conditions in which the concentration of chemicals, salt, inorganic, alkaline and acids.

Uses

- Buried steel pipelines.
- Concrete pipelines.
- Dams, Barrage gates, Penstocks, Crude oil storage tanks, Foundation walls and sumps, Concrete and Steel surfaces in sewage treatment plant.
- Total, partial or intermittent submerged structures such as piling, pontoons, jetties, dock gates etc..

Advantages

- Low viscosity formulation helps in easy application by brush or spray
- Flexible anti-corrosive/preventive coating for structures - MS or concrete - even where the structure is in continuous contact with water or submerged.
- Provides excellent resistance to corrosion, impact, thermal shock and abrasion.
- Cures to a hard, smooth and flexible surface with excellent resistance to sea / salt water, oil, acids, alkalis, crude oil and minerals.
- Compatible with cathodic protection.

Technical Data

Properties	Value
Solid	65%
Shade	Black
Consistency	Uniform
Application	By brush, roller or spray
Drying time	4 to 12 hrs (depending on ambient temperature)
Touch dry	12 to 24 hrs (depending on ambient temperature)
Recoat	
Theoretical Coverage, sqm/ L	5 to 6
Pot Life	2 to 4 hrs (depending on ambient temperature)
DFT	100 to 150 microns/ coat
Mixing Ratio	3:1
Full Cure	7 days

Application Instruction

Steel:

The product should be applied to a surface that has been blast cleaned. It can be applied either directly to steel or suitably primed surface.

- 1) Remove all wax, oil and grease by solvent cleaning.
- 2) Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- 3) Abrasive blast clean to a minimum standard of Sa 2½.
- 4) Any surface defects revealed by blast cleaning should be ground, filled or treated.
- 5) After blasting, remove dust from the surface. Ensure that the surface to be coated is clean and dry.
- 6) Apply suitable primer immediately after blasting.
- 7) Apply coal tar epoxy in minimum 2 coats.

Concrete:

- 1) Ensure the surface is sound enough. Remove laitance by wire brushing etc.
- 2) Blow holes and other defects should be repaired using solvent free epoxy filling. Airless spray equipment - Tip size: 0.58mm - 0.63mm
Pressure - 140-165 kg/ cm² (2000- 2400 psi).

Application Information:

Substrate Temperature - +10°C Min / +40°C Max

Ambient Temperature - +10°C Min / +40°C Max

Substrate Moisture Content - < 5%

Packaging

The packaging would be done in 20L drum.

Storage:

Keep in cool and dry place, under shed, away from heat.

Standards:

AWWA C-210:2015 and SSPC Paint 16

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Safety Precautions

- Multiple coats may be required in order to have high dry film thickness.
- Common to all epoxies, this product will be subjected to chalking on prolonged exposure to sunlight. However, this phenomenon is not malefic to coating performance.
- Exposure to very low temperature, high humidity, rain, water ponding during and after application may lead to incomplete curing and the above-mentioned coating properties may not be achieved.
- Additional losses, wastage, surface profile, ambient conditions should also be taken into consideration while correlating paint consumption and achieved DFT in case of field application.

Cleaning

Clean all tools immediately after use with FCSC Thinner only. Do not allow the material to harden.

Storage and Shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is 12 months..

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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