



STRUCT GUARD-COAL TAR

DESCRIPTION:

STRUCT GUARD –COAL TAR is two packs, high build epoxy coal tar coating system for protection of steel structure in marine, sub-soil and saline environment. It is designed as a high performance self priming maintenance coating for steel structures specially located at coastal and industrial polluted environment. It provides outstanding anti-corrosive performance with excellent fresh and sea water resistance.

DIRECTION FOR USE:

SURFACE PREPARATION:

- The surface must be clean and free from contamination. The performance of product depends upon the quality of surface preparation.
- Accumulated dirt and soluble salts can be removed by dry bristle brushing and fresh water washing respectively.
- Remove grease, oil, and all other contaminants.

HAND AND POWER TOOL CLEANING:

- Existing sound epoxy coating system; sufficiently roughened, dried, and cleaned.
- High pressure water washing or scrubbing to remove loose paint and contamination.
- Intact areas to be roughened.

APPLICATION AND SUBSTRATE CONDITION:

- Stir the base and hardener separately. If settling is observed in the base or hardener, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogeneous mixing.
- Mix base gradually into the curing agent under continuous stirring as per ratio below.
- Thinner should be added after mixing both the components. Excessive thinner may lead to a poor sag resistance.
- Strain the materials through a 60 - 80 mesh screen prior to application.
- Once the materials have been mixed it should be used within the working pot life specified.

Mixing Ratio	Part A: Part B	Induction Time	30 minutes
By volume	1 : 4	Pot life at 30° C	4 Hours

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PRODUCT INFORMATION:

TYPE	Two pack	Drying time at 30°C	Surface Dry: 2hours
Composition	Epoxy resin, suitably pigmented with coal tar		Hard Dry : 24 hours
Color	Black		Full Cure : 5days
Gloss	Semi glossy	Over coating interval at 30°C	Min. : 24 hours
Volume Solids	Approx. 80±3%		Max. : 1 month, provided surface is cleaned from all contamination
Recommended DFT Coat	200 - 400 microns		
Theoretical Covering Capacity	2 - 4 sq.mtr Ltr	Shelf Life (cool and dry place)	At least 12months
Flash Point	Part A : 27°C Part B : 27°C		
Hardener	Struct Guard-Coal Tar B		

STORAGE AND SELF LIFE:

Store away from direct sunlight. 12 months from date of manufacture.

SAFETY PRECAUTIONS:

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, the resin should be washed off immediately with soap and warm water.

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