

MIPRO -CE

COAL TAR EPOXY COATING

DESCRIPTION It is known that low solvent epoxy coatings, being non-porous, have good chemical resistance. For less stringent applications, where high temperature and solvents are not encountered, a lower cost coating is often preferred. Coal tar epoxy coatings fulfill this need provided, of course, that the end user finds the black color acceptable.

Applications of Coal tar Epoxy coatings includes:

- Protection of steel & concrete structures in chemical plants & at coastal areas.
- Coatings of drain pipes for aqueous waster and seawater.
- Storage silos for granular chemicals.
- Under-sides of motor vehicle chassis.

Properties prior to curing

PART-A Pale-Yellow
PART-B Liquid Black Liquid
Mix Ratio A:B 1:3 PBW
Pot Life of Mix 40-60 Min.
@ 25°C

Surface Preparation

Mild Steel surfaces is best pre-treated by sandblasting to remove all rusts or scale. If sand blasting is not possible, abrading with coarse emery paper may be resorted to. The surface is then degreased with, acetone etc.

concrete surface thoroughly clean with stiff wire brush. Alternatively, 15% Hcl acid may be applied on the surface to remove the layer of latencies. The acid is then washed off with plenty of fresh water and the surface allowed to dry fully.

Application Procedure

Mix part-A and Part-B as mention above. After through mixing the mixture is applied by brush on the steel or concrete surface.

It is advisable to apply at least two to three coats to get an adequate film thickness. The second and third coats are applied when the earlier coat is just tack-free.

Curing is complete in 3-5 days depending on the ambient temperature condition & humidity.

Chemical Resistance

This system has excellent resistance to:

- ❑ Seawater, tap water and de-ionized water.
- ❑ Hcl and sulfurous fumes.

It has good resistance to dilute acids and fair resistance to dilute alkalis. Its resistance to solvents is poor. More detailed data is available on request.

Storage & Handling

Part-A & Part-B when stored in their original containers and not exposed to heat or humidity will have minimum shelf life of 1 year.

Avoid direct contact of the materials with skin & eye. They might cause irritation on sensitive skins. It is advisable to wash off immediately if it comes in contact with skin and/or eye and consult doctor. Special barrier creams & cleansing creams are available commercially as additional protection.

All recommendations for use of our products, whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the result & knowledge. Although the information given in the sheet is accurate to the best of our knowledge, no liabilities can be accepted in respect of such information and no warranty or conditions are intended in respect of the product described as the conditions of application and use are beyond our control

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