

EPOLAC EPOXY COALTAR COATING TWO PACK

➤ Scope

Coaltar is well known for its water resistance. World over, water tanks are coated with coal tar. When mixed with epoxy, it develops good chemical resistance with superior water resistance. For waterproofing of buildings, epolac epoxy coaltar coating is excellent as a barrier to stop seepage of water because unlike other coatings, it works better for facing the water vapour pressure. However, a very special type of coal tar has to be used. The coating film has a deep dark grey colour but the same can be covered with any colour based on epoxy or chlorinated rubber or even synthetic enamel.

➤ Areas of Application

Mild steel galvanized steel, aluminium, concrete: any surface that needs protection from chemicals and particularly water, needs a coating of epolac epoxy coaltar coating. It is ideal for storage tanks to store drinking water, for coating penstocks in a dam, for water proofing the foundations of a building, for submersible pumps, which need very high abrasion resistance, to provide chip resistance to the undercoat of chassis etc.

➤ Surface Preparation

Remove grease, oil and other contaminants from upon metal, by sand blasting. If the same is not possible, make full use of mechanical tools and wire brush to remove oil, grease and rust. Thoroughly dust down all surfaces and apply a thin coat of metaprime-h (two pack wash primer).

In case of concrete, allow curing at least for four weeks. Remove all alkalinity by washing the surface thoroughly with 3–4% phosphoric acid. This can also be achieved, using metaprime-h, which has phosphoric acid, as a constituent. Ensure the surface is free from dust and other loose particles.

➤ Technical Data

- APPEARANCE : Base : deep grey black
Hardener : pale brown clear.
- VISCOSITY : Base : thixotrope
Hardener : 17-20 secs. Fc/4 @ 30° c.
- WEIGHT/LIT. : Base : 1.30 – 1.34 kgs.
Hardener : 0.93 – 0.95 kg.
- MIXING RATIO : Base (3) : hardener (1) by volume.
- VISCOSITY OF THE MIX : Thixotrope.
- DRYING TIME : Touch dry : 45 minutes
Surface dry : 2½ - 3 hrs.
Thumb impression free : 4½ hrs.
Hard dry : over night
- Pot life : Six hours minimum.
- Covering capacity : 6 – 7 sq. Mtrs. Per litre.
- Dry film thickness : 75 microns.

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➤ **Directions for Use**

Prepare the surface as directed under, “surface preparation”. Stir the base thoroughly and mix with hardener in recommended proportion. Allow the mix to mature for 20 – 25 minutes and start applying after light abrading of the primer coat. Though the mix will be thixotropic, there will not be any problem while brushing. In case, spraying is required, use epoxy thinner 055 for dilution.

➤ **Notes**

Mix only necessary quantity of base and hardener to last five hours (so that the material can be used up before the pot life is over.)

Wash the brush or gun thoroughly, after use, so that the brush does not become stiff and the gun does not get choked.

➤ **Disclaimer**

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