

EPOTAR 70

High-Build Coal Tar Epoxy Coating

Description

EPOTAR 70 is a high build two-component coal tar epoxy coating designed for use as a protective system on steel and concrete surfaces. It is intended for immersion and non-immersion services which require excellent protection against fresh and salty water, abrasion and corrosive chemicals.

EPOTAR 70 is formulated once cured will produce, a tough, semi-flexible, high chemical, abrasion and impact resistant film.

Features & Benefits

- > High Build Economical product
- Excellent chemical and abrasion resistance
- Low viscosity, easy to apply
- > Non-blushing & non-water spotting
- Excellent bonding to concrete and steel surfaces
- > No priming necessary in most cases
- > Tough and Flexible
- > Anti-fungus coating

Uses

EPOTAR 70 is an anti-corrosive coating provides protection to concrete and metal structures against corrosion from aggressive environments. Suitable for the below application:

- Marine structures
- Tanks, pipelines lining in crude oil and water ballast
- Sewage works and Wastewater facilities
- Dock and harbour installations.
- Broadcast coating for industrial traffic
- Traffic wear-course in parking garages
- Primer/sealer/topcoat for degreased concrete

Technical Properties

Appearance	Liquid Resin
Color	Black
Mix Density	1,300 Kg/m ³ approx.
Pot Life	45 minutes @ 25 °C
Bonding Strength	≥2 N/mm ²

Recoating time	24 hours
Final cure	7 days
Solid Content	70%
Water permeability	Nil
Flash Point	55 °C
Application temperature	+5 to +35 ℃
Heat Resistance	-5 to +90 °C
Water Absorption	<0.01%

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM D 695, D 638, D 570, D 4060
- ASTM D 2240, D 649

Application Procedures

Surface preparation:

All surfaces should be sound, clean, dry and free from loose and flaking material, efflorescence, laitance, curing compounds, dirt, oil and grease. Suitable preparation using mechanical methods like grinding or blasting in order to provide a suitable clean surface is strongly recommended. All necessary repairs should be made prior to application by using epoxy mortar. Contact SBI Technical Department for advice. In general, **EPOTAR 70** does not require priming.

Metallic surfaces must be brushed or sand blasted (in order to remove all corrosion and mill scale) and then treated with **EPOTAR 70** before the oxidation process begins again.

Mixing Instructions:

EPOTAR 70 composed of two components that must be mixed at the moment of use. Prior to application, stir component A (resin) and component B (hardener) separately in order to ensure mixing of all settled components for each part. Add component B (hardener) to component A (resin) and mix together for two minutes manually or using a drill at low number of turns (200-300 RPM) till obtaining a homogenous mix. The mixed components should be used immediately.



Application Instructions:

Mixture can be applied with a brush or roller in two crossed coats. For airless pump applications, the product can be diluted with maximum 10% of SOLVENT 20.

Before applying the second coat make sure that the first one is completely dry.

If slip resistance finish is required, spray the silica sand with the required sieve size onto the first coat while wet. Once cured, remove excess sand and apply the final coat.

EPOTAR 70 is generally applied as a two coats application with a wet thickness of 150-200 microns per coat.

Coverage

Each 1 Ltr of **EPOTAR 70** will cover 6-6.5 seq. meter in 100 microns thickness.

Coverage depends on substrate porosity and profile.

Packaging

EPOTAR 70 is available in 4& 15 Liters two-component Kits.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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