



EPOXY COAL TAR SF BLACK MATT

Product code: PS3382

Composition and Application Field

EVI Epoxy Coal Tar SF Black Matt is a solvent free high build 3 component epoxy coal tar based coating system specially designed for use as anti-skid finish on bridge decks, jetties, marine platforms, airport aprons and hangars, parking areas and the likes. It forms a tough and hard wearing, seamless waterproof surface providing an outstanding protection against impact, abrasion and chemical resistance. The product also exhibits excellent resistance to spillage of solvent, oil, jet fuel, diesel, gasoline and to dilute acids and alkalis of up to 30% in concentration.

EVI Epoxy Coal Tar SF Black Matt is supplied in properly proportioned 3 components composing of the BASE, HARDENER and AGGREGATE.

Use

Substrates: Cement, concrete, asphalt, steel and wood surfaces.

Specification

Colour	: Black
Drying Time (30°C)	: 4 hours TD : 12 hours to light traffic : 7 Days Full Cure
Mixing Ratio (16 liters)	: Base 10.4 by wt. : Hardener 1.7 by wt. : Aggregate 12.1 by wt.
Pot Life	: 45 minutes @ 35°C

Resistance Properties

- Mild Acids and bases up to 25% concentration
- Fuel and Gasoline
- Hydraulic Fluids
- Vegetable Oils
- Sea and Pure Water
- Detergents
- Aromatic and aliphatic solvents
- Higher Alcohols
- Ketones, Esters and Glycol Ethers.
- Skydrol

Surface Preparation

NEW SURFACE

All surfaces should be sound, clean, dry, and free from flaking materials, efflorescence, laitance, curing compounds, oil and grease. Prime the surface with thinned PS1501 Epoxy Clear Primer.

OLD SURFACES

Ensure surfaces are sound, clean, dry and free of loose and flaking old materials, dirt, oil grease, wax or polish. Holes and deep undulations should be patched with EVI Epoxy Putty PS2011.

General Information on Surface Preparation

1. Remove oil grease and other surface contaminants either by mechanical means eg. abrasive blasting, power tooling or flame cleaning or by chemical cleaning eg. Industrial cleaning detergents.
2. Laitance should be removed for long term adhesion. Remove by chemical means eg. acid etching or by mechanical means like abrasive blasting and power grinding. Diamond grinding remains the preferred method in new concrete surface preparation.
3. Unless it is absolutely necessary, high pressure water jetting is not usually recommended due to the very long time it takes for the absorbed water to dry.
4. Surface cracked should be V notched and filled with EVI Epoxy Putty PS 1501.
5. For Metal surfaces, grit blast or grind to get a surface conforming to SA 2½.

Application Method

Mix Base and Hardener with a jiffy mixer for about two minutes, slowly add the aggregate and continue mixing until a homogeneous mix is achieved. Pour the material and spread evenly to the desired thickness (up to 4 mm) using a trowel or squeegee. Dress the surface immediately with the selected size of aggregate dressing. It is very important that the whole surface be covered with the dressing aggregate. Remove the excess aggregate once the material is cured.

NOTE:

For substrates such as steel, timber, aluminum and asphalt, there is no need for a primer to be applied. In case of concrete substrates, Prime EP100 is recommended at a rate of 0.25Kg/ m². EVI Coal Tar SF Black Matt can then be applied to the still wet primer. In no way should the primer be fully cured before the application of Epotar slurry, otherwise the primer must be abraded again for proper adhesion.

WARNING

Do not overmix the product as this will reduce the pot life. Mix only what can be used immediately so as not have the pot life reduced before application.

Do not apply when humidity levels are likely to cause surface condensation (RH 85% and above) or when temperatures are likely to fall below 5 degrees during application and drying.



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Storage & Shelf Life

Under dry and cool condition, Storage stability can be sound up to 18 months in original sealed containers. In no way should the component A component B and component C be mixed and kept. The hardener component should always be kept sealed in its original container.

HANDLING:

Disposal: As per the guidance and legislations of the local Authority e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses.

Flash Point: N/A

Safety Precaution

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream. Other industrial practices are applicable. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.

MSDS is available on request for the safe handling of this product.

FIRST AID

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved Industrial cleaner. DO NOT USE solvent or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.