



EPOXY FLOOR COATING

Product code: PS3601

Composition and Application Field

EVI Epoxy Floor Coating is a High build top coat based on a selected epoxy resin and forms a two component product with a suitable catalyst. By virtue of the epoxy resin composition it exhibits excellent resistance to mild acids, bases and other chemicals. It has outstanding mechanical properties combined with good flow and is very easy to apply. It can be an ideal top coat for floor coatings which has severe abuse. It is recoat able to considerable thickness.

Designed for severe industrial floors, car parking areas and heavy traffic with moderate load accompanied with good chemical and hot water resistance. It is recommended in animal rooms, poultry farms, food process units, beverages plants, and chemical industries.

Substrates: Designed for medium to heavy industrial floors, car parking, animal houses, poultry farms, beverage plants.

Area of Use: Exterior and Interior

Specification

Finish:	Smooth with a good level of sheen
Color:	White, gray and limited colours with prior agreement. (Due to chemical nature of the Epoxy Resin small variations in colour of finished products is common).
Specific gravity:	Comp A: 1.50 ± 0.02 (depending on colours), Comp B: 0.97 ± 0.02 (Mix SG: 1.47)
Solids (% by volume):	60 ± 2
Mixing ratio:	9 : 1 (Component A: Component B vol / vol)
Pot Life:	App 1.5 - 2 hour (at 30°C)
Diluent:	EVI Epoxy Thinner
Flash point:	27°C (mixed)
Spread Rate:	While the spread rate is directly dependant on the surface profile and also the type of undulations it has, as a thumb rule EVI Epoxy Floor Coating (Anti Skid) would cover 5 to 6 sq. meters per lit.
Drying Time (30° C):	Set to touch: <3 hours Ready for recoat: App. 6 - 8 hrs. Full cure: App. 7 days
Recommended DFT:	App 125 – 175 mic per coat.

Surface Preparation

A good surface preparation and following the method statement / recommended system procedure of EVI is an ideal recommendation for the application of EVI Epoxy Floor Coating.

For Metals & Steel Surfaces

Achieve a good and clean surface by removing all contaminants by cleaning & drying. A laitance free surface should be achieved by good sweep blast or a wire brush. Dilute to the required consistency pour it in the application tank. Stir for uniformity. Dip for the required application requirement the EVI Epoxy Floor Coating and proceed after drying. Since it is quick drying stacking can be done in 30-40 minutes time. Touch up if necessary at the areas where there is mechanical damage. (It is not advised to coat over the primer as it may penetrate

into the primer surface. Exclusions for successful application include perpetually wet surfaces and also large cavities on wood, metal or concrete surfaces.

Application Method

Adequate ventilation is an ideal situation as it helps in drying and the good application itself. Avoid high humid conditions i.e., >95% when condensation is likely to interfere and also when the surface temperature is at least 3°C above dew point.

Application: To be done by conventional roller or spray at 2000 – 2500 psi for airless spray or 50 – 60 psi for conventional spray). Nozzle size: 0.015 - 0.018 inches.

One can add 5 - 10% of EVI QD Thinner for ease of application of brush/roller/or spray viscosity.

Caution: Over diluting would result in sag and run downs.

Paint System

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-EVI Epoxy Primer Clear	1 coat
-EVI Epoxy Putty	2 coats
-EVI Epoxy Floor Coating	1 coat
-EVI Acrylic 2K topcoat	1 coat

* Or as per EVI Technical advice.

Storage and Shelf Life

Under dry and cool condition, storage stability can be sound up to 18 months in original sealed containers.

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: 27°C and contains Organic Solvents.

Caution: It is strongly advised not to keep open half used drums as it forms a skin on the top layer.

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

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