



EPOXY TOPCOAT HIGH BUILD

Product code: PS3555

Composition and Application Field

EVI Epoxy topcoat high build is a High build, high solids top coat based on a selected epoxy resin and forms a two component product with a suitable catalyst. By virtue of the epoxy resin it has excellent resistance to mild acids, bases and other chemicals. It has outstanding mechanical properties combined with good flow and is very easy to apply. Can be an ideal top coat where normal alkyd based topcoat systems cannot be recommended.

Substrates: Masonry, Concrete & Steel structures, pipes with suitable primers.

Area of Use: Mainly in the Automotive industry and for steel.

Specification

Finish	: Smooth / Glossy
Colour	: Any colour as per EVI shade card. (Due to chemical nature of the Epoxy Resin small variations in colour of finished products is common).
Specific gravity	: 1.5 ± 0.03
Mixed Solids (% by vol.)	: 75 ± 1
Mixing Ratio	: 4 : 1 (Component A: Component B vol / vol)
Pot Life	: App 4 - 5 hrs (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 Topcoat High Build would cover 5 to 10 sq. meters per lit.	
Drying Time (30° C):	Set to touch: <3 hours. Ready for Recoat: App 6-8 hours (Ultimate curing 7 days)
Recommended DFT:	App 75 – 150 mic per coat. Depending on the degree of protection.

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 Topcoat High Build.

For Metals

In case of mild conditions of application, remove the previous coat with a mechanical tool, wire mesh, or a mild sweep blast is to be done.

In case of detailed Surface preparation is warranted, remove all wax, oil and grease should be removed by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface. Ideally abrasive blast clean to a minimum standard of Sa 2½ Swedish Standard SIS 05 59 00 or ISO 8501-1:1988. Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner. After blasting, remove dust from the surface. The surface to be coated must be clean and dry with EVI Epoxy Primer followed by EVI Epoxy Topcoat High Build.

For Aluminium

Degrease and abrade with EVI Epoxy Thinner and wet-or-dry paper. Apply EVI Etch Primer. Immediately follow with EVI Epoxy Topcoat High Build.

For Concrete

Ensure that the surface is sound. Remove laitance by thorough wire brushing, acid etching or sweep blasting. Blowholes and other defects should be filled with suitable filler. EVI Epoxy Pigmented may be applied with an EVI Epoxy primer.

Exclusions for successful application include perpetually wet surfaces and also large cavities on metal and 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. Mix Part A and B in the recommended ratio thoroughly until uniform taking care that no excess air bubbles are formed. To be done by Airless spray 2000-2300 psi. Nozzle size: 0.015-0.018 inches or conventional spray at 50 – 60 psi. It can even be done with a roller. The product can be rolled or It is generally recommended to give a mist coat followed by a full coat. A normal brush or a roller may be used for difficult shapes or touchup; however, additional coats may be required to achieve the recommended film thickness. The method of application is recommended for stripe coating welds, edges, rivets etc. One can add EVI Epoxy thinner to make a convenient dilution but care should be taken that good build up is made by subsequent coats too resulting in good deposition.

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

Paint System

EVI EPOXY TOPCOAT HIGH BUILD

-EVI Epoxy Pigmented Primer	1 coat
-EVI Epoxy Topcoat High Build	2 coats
-EVI Acrylic 2K Topcoat	2 coats

* Recommended system to be applied as per surface preparation, 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 solvent.

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:** Remove to fresh air, loosen collar and keep patient rested. **Ingestion:** In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.