



HIGH BUILD EPOXY MASTIC

Product code: PS2525

Composition and Application Field

EVI High Build Epoxy Mastic is a two-component high solid, self-priming high build, polyamide adduct cured epoxy coating specially designed as an intermediate and finishing coat in heavy duty paint system where low VOC and high film build are required. It forms a hard and tough coating, has good wetting properties and low temperature curing. For immersed areas EVI High Build Epoxy Mastic is only recommended for minor repairs. It can be specified where extended recoating properties for polyurethane topcoats are requested (typically travel coating). May be used directly on cured zinc silicate (GALVOSIL products) or spray metallized surfaces to minimize Popping.

Use

Substrates: Properly prepared steel, over zinc primers, old intact epoxy paints.

Specification

Finish	: Satin / Semi Gloss
Colour	: White Gray, Buff
Specific gravity	: Base : 1.72 ± 0.02 Hardener : 0.94 ± 0.02
Solids % by weight	: $85 \pm 1\%$
Mixing Ratio	: 3 : 1 by volume
Diluent	: EVI Epoxy Thinner
Flash point	: 27°C
Drying Time (30° C)	: 3 hours to Touch 8 hours to Recoat 7 Days Full Cure
Recommended DFT	: 125 to 150 microns per coat
Theoretical Coverage	: 5.5 – 6.5 sq.m/liter
Service Temperature	: 95°C dry continuous 120°C dry Intermittent

Surface Preparation

EVI High Build Epoxy Mastic is tolerant to mild surface preparation, however for best results ensure that all surfaces must be free of oil, grease moisture and other surface contaminant before grit blasting to near white as per SSPC SP10 or ISO 8501-1 SA 2.5.

When used on top of a fully cured Epoxy, it is recommended to abrade the surface to ensure adequate keying.

Application Method

Adequate ventilation should always be observed when applying EVI High Build Epoxy Mastic for reasons of health and safety and to ensure proper drying of the material. Never apply this product in adverse weather conditions such as when the temperature is below 5°C or when the

humidity level is above 90%. The surface temperature should always be kept at not less than 3 degree above dew point.

The viscosity of the product should be ideal for application and can be applied by brush or airless spray.

A normal brush or a roller may be used for difficult shapes or hard to reach areas and for touch up. When applied by airless spray, ensure that the pressure be at 2100 psi for best atomization. Nozzle size should be 0.021 – 0.025 inches.

In cases where the viscosity increased as in cold weather conditions, add EVI Epoxy Thinner to adjust the viscosity for proper application. The percentage will depend on the extent of the viscosity increase and the application used.

Technical Paint System

EVI HIGH BUILD EPOXY MASTIC

-EVI Epoxy Zinc Rich Primer Premium	1 coat to 2 mils
- EVI High Build Epoxy Mastic	1 coats of 5 – 6 mils
-EVI PS3861 OR PS3867 Polyurethane	1 coat of 75 microns
2K Topcoat UV Resistance	

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 be mixed and kept.

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.

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. 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.