

EPOXY PRIME-BUILD ALUMINUM

Product code: PS1205

Product Description

EVI Epoxy Prime-Build is a two-component high solids polyamide cured surface tolerant epoxy primer cum build coat. Particularly recommended as a factory applied primer and intermediate coat at the same time where fast drying and recoating times are required and as a maintenance coating for onshore and offshore environments.

Area of Use: Structural Steel/ Steel Piping to C5 environment

Substrates: Properly prepared steel, aluminum, galvanized and stainless steel.

Specification

Finish	: Matt
Colour	: Aluminum
Specific gravity	: Base: 1.7 +/- .05 Hardener : 0.94 ± 0.02 1.54 mixed
Volume Solids	: 80 +/- 2% (mixed)
Mixing Ratio	: 4 : 1 by volume
Diluent	: EVI Epoxy Thinner
Flash point	: 27°C
Drying Time (30° C)	: 2 hours to Touch : 4 hours to Recoat : 7 Days Full Cure
Recommended DFT	: 100 to 150 microns per coat
Theoretical Coverage	: 5.3-8 sq.m/liter
Service Temperature	: 95°C dry continuous : 120°C dry Intermittent

Surface Preparation

EVI Epoxy Prime-Build 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.

Application Method

Adequate ventilation should always be observed when applying EVI Epoxy Prime-Build 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

EV Epoxy Prime-Build	1 coat of 75 microns
EVI Epoxy Prime-Build	1 coat of 125 microns
EVI 2K Acrylic Topcoat	1 coat of 60 microns

Storage & Shelf Life

Under dry and cool condition, Storage stability can be sound up to maximum 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.