

EPOXY GUARD 100

Product code: PS3384

Composition and Application Field

EVI EPOXY GUARD 100 is a spray-able amine adduct cured solvent free epoxy coating designed as a protective primer and finish coat at the same time. It adheres tenaciously to properly prepared substrate providing a long lasting corrosion barrier protection to the underlying substrate.

Specially recommended for offshore environments, including splash zones, refineries, power plants, bridges, buildings, and general structural steel.

Uses

Substrates: Steel, Concrete

Area of Use: Internal environments of C3 to C5 corrosively exposure. Can be used as internal lining for potable water, grey water and crude oil tanks.

Specification

Finish	: Semi-Gloss
Color	: White, Oxide Red/ Grey/ Aluminum
Specific gravity	: 1.60 ± 0.05 depends on color
Solids by Volume	: 100%
Mixing Ratio	: 4:1 by volume
Diluent	: Epoxy Thinner
Flash point	: 27°C
Spread Rate	: 10 m ² / liter @ 100 microns DFT
Drying Time (30° C 50RH)	
Dry to Touch	: 2 hours
Dry to Re-coat	: 4 hours
Hard Dry	: 24 hours
Full Cure	: 7 Days
Recommended DFT	: 100 microns per coat
Heat Resistance	: 120°C dry

Surface Preparation

All surfaces must be free of grease, dirt and oil before blast cleaning to near white metal according to SSPC SP-10 or SSI-SA2.5.

Application Method

Mixing

The product comes in two different containers containing the base and hardener. Ensure that all the contents of the cans are all mixed together.

Power mix the base portion until a homogeneous mix is

obtained. Slowly add the hardener and continue mixing for 5 minutes.

This product can be applied as it is but in conditions where the viscosity becomes thick like during cold seasons, add appropriate Epoxy Thinner up to 5 percent.

Application:

The recommended method of application is by airless spray with a minimum pump ratio of 30:1. Tip size of 0.021 to 0.025 will provide good spray pattern.

In touch up and hard to reach areas, brush can be used.

Clean equipment after usage with appropriate Tool Cleaner.

Storage & 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.

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 vapor 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.