



ZINC SILICATE PRIMER

(Component A & Component B)

Product code: PS1505

Composition and Application Field

EVI Zinc Silicate Primer it is a two component solvent borne, moisture curing, inorganic zinc silicate with outstanding corrosion protection properties. The high amount of zinc ensures a metal to metal contact providing excellent galvanic protection to steel.

Use

As an anticorrosive primer for the protection of steel exposed in highly corrosive (C5-C5M) environments, such as in chemical plants, pipelines, marine vessels and structures etc.

Substrates: Steel

Specification

Finish	: Flat
Colour	: Gray
Specific gravity	: 2.2 kg /liter
Mixed Solids (% by volume)	: 40 ± 2%
Mixing Ratio by Vol	: 4 Part A : 1 Part B
Mixing Ratio by wt.	
10 liters	: 7.7kg Part A : 14.3kg Part B
Pot Life	: App 8 hrs. (at 30°C)
Diluent	: EVI Zinc Silicate Thinner
Flash point	: 27°C (mixed)
Recommended DFT	: 25 microns
Spread Rate	: 16sqm/liter @ 25 microns

Drying Time (30° C)

Set to touch: 30 minutes.
Ready for Recoat: 8 hours
Full cure: app 36 hours.

Surface Preparation

The substrate should be thoroughly cleaned according to SSPC-SP1. All burs must be removed, sharp edges and rough weld seams be ground down. Blast clean to a surface finish conforming to Swedish Standard SA 2.5 or SSPC SP-10.

All blast cleaning equipment should be of an approved type fitted with a suitable moisture trap and grease / oil filter.

EVI Zinc Silicate Primer is designed for application on blast cleaned steel surfaces.

Application Method

Can be applied by manual or automatic airless spray or conventional spray equipment.

Airless Spray

30:1 airless pump, Teflon packing and stainless steel or hard chrome trim is recommended
Airless Spray gun fitted with a nozzle orifice of 0.017 to 0.023
Minimum 100PSI (7 Bar) at pump intake

Application: Mixing

Mix the pre-determined amount EVI Zinc Silicate Primer comprising of part A and part B using a power mixer. Always add the powder part (part B) slowly to the liquid part (part A) with continuous agitation until a lump free homogeneous mixture is achieved. Always filter the material using a 60 to 80 mesh filter to remove agglomerated powders. Thinners normally is not required but in cases when the temperature is too hot and weather is windy, the addition of a slow evaporating thinner maybe required. Dilution should not exceed 10%.

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

Technical Paint System

EVI Zinc Silicate Primer Recommended system to be applied as per surface preparation. □ Or as per EVI technical advice	Apply a single coat of 25 microns and dry for 8 hours then followed by succeeding coats until the desired thickness is achieved.	- 1 coat
		- As per recommendation



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Packing

5 & 10 liter kits

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.

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 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.