

**PRODUCT
DESCRIPTION**

A self priming flexible high build epoxy primer containing Zinc phosphate and cured with polyamide that provides tough barrier coating on Galvanized steel and other non-ferrous substrates. Can be top coated with 2 pack Epoxy as well as Polyurethane paints.

DESIGNED USE

- A high build maintenance coating for non ferrous substrates.
- For process equipments and pipes in a medium aggressive environment.
- Suitable as primer for upto C5 Environment as per ISO12944 Part 2 along with suitable intermediate and topcoats

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	70% \pm 2%
TYPICAL DRY FILM THICKNESS	100 microns
WET FILM THICKNESS	145 microns
THEORETICAL COVERAGE	7.0 m ² /litre @ 100 microns DFT
VOC "As Supplied" (Based on ASTM D3960)	270 gms/ltr
COLOUR	Red Oxide/ Light Grey
FINISH	Low Sheen

**APPLICATION
DETAILS****METHOD OF APPLICATION :****AIRLESS SPRAY**

This is the recommended method of application:
Maximum 5% Thinner may be added.
Tip Size: 0.43 - 0.58 mm (0.017 - 0.023 in)
Pressure: 110 - 160 kg/cm² (1600 - 2300 psi)

CONVENTIONAL SPRAY

This is also a suitable method of application.
Maximum 20% Thinner may be added
Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in)
Pressure: 2.75 - 3.45 kg/cm² (40 - 50 psi)

BRUSH OR ROLLER

May be used for difficult shapes or touch-up.
However, additional coats may be required to achieve the recommended film thickness.

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
15°C	12 Hrs	24 Hrs	24 Hrs	Indefinite	8 Hrs
25°C	6 Hrs	16 Hrs	16 Hrs	Indefinite	6 Hrs
35°C	3 Hrs	12 Hrs	12 Hrs	Indefinite	4 Hrs
45°C	1 Hr	8 Hrs	8 Hrs	Indefinite	3 Hrs

NO. OF COMPONENTS Two

Mixing Ratio 1 parts Base to 1 part Hardener (by volume)

Application Conditions Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point

**ADDITIONAL
INFORMATION**

Thinner / Cleaning solvent	Solvalux 7-45
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 36°C
Packaging	20 liters
Shelf Life	12 months from the date of manufacture.

**SURFACE
PREPARATION**

- The life span and performance of coating is directly related to degree of surface preparation.
- Remove all oil, grease and wax by solvent cleaning in accordance with guidelines given by SSPC-SP 1.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Mechanically clean the surface using hand or power tools to a minimum standard of St - 2 Swedish Standard SIS 05 59 00 or ISO 8501-1 : 1988 taking care to avoid polishing the surface.
- After blasting, remove dust from the surface.
- The surface to be coated must also be clean and dry.
- For Galvanized metal, degrease with Berger Tool Cleaner where practical to remove surface contaminants, otherwise sweep sand blasting to remove adherent contaminants and then clean with air followed by one coat of EPIFLEX 1000.

**PRODUCT USE
RESTRICTIONS**

- This product is not suitable for immersion conditions.
- Dry heat resistance up to 120°C.
- As common with all Epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight.
- May also be applied between 80 and 120 Microns DFT.
- Contact Berger Representative for suggesting suitable paint system

**SAFETY
PRECAUTIONS**

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks 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.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with 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

DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.