

**PRODUCT DESCRIPTION**

A high build Epoxy primer containing mixed epoxy resin and anticorrosive components. This material is specially designed to give excellent leveling properties with good corrosion resistance under medium corrosive environment condition.

- Low VOC and environmental friendly
- Can be applied up to 200 micron DFT in a single coat.

**DESIGNED USE**

- As a Hi build primer for medium corrosion environment condition.
- As a corrosion resistant primer cum intermediate coat for Truck bodies, Cargo tanks and structural steel etc.
- As a general maintenance coating for offshore installations
- Suitable as primer for upto C4 Environment as per ISO12944 Part 2 along with suitable intermediate and topcoats

**PHYSICAL DATA**

<b>VOLUME SOLIDS</b> (ASTM D2697)	80% $\pm$ 2%
<b>TYPICAL DRY FILM THICKNESS</b>	150 microns
<b>WET FILM THICKNESS</b>	190 microns
<b>THEORETICAL COVERAGE</b>	5.33 m <sup>2</sup> /liter @ 150 microns DFT
<b>VOC (ASTM D 3960)</b>	185gms/liter (Theoretical)
<b>COLOUR</b>	Grey
<b>FINISH</b>	Slight Sheen

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

This is the recommended method of application:  
5 - 15% Thinner may be added for ease of application.  
Tip Size: 0.43-0.53 mm (0.017-0.021 in)  
Pressure: 110-160 kg/cm<sup>2</sup> (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/cm<sup>2</sup> (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. Thinner (max 5%)

**DRYING TIME:**

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
25°C	6Hrs	32 Hrs	24 Hrs	5 days	6 Hrs
35°C	3 Hrs	16 Hrs	10 Hrs	3 days	4 Hrs
45°C	1½ Hrs	8 Hrs	8 Hrs	2 days	1½ Hrs

**NO. OF COMPONENTS**

Two

**Mixing Ratio**

9 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**

For best results, the surface should be treated as follows prior to printing.

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SPI.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface. Special care must be taken on weld areas to remove flux and spatter. Welds should be ground back to avoid pockets where corrosion can occur.
- Abrasive blast-clean to a minimum standard of Sa 2½ Swedish Standard SIS 055900 or ISO 8501-1: 1988.
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile of 50 microns is acceptable, but this average should not exceed 75 microns.
- After blasting, remove dust from the surface.
- The cleaned surface should be coated before it becomes contaminated. The surface to be coated must also be clean and dry.
- This product should be over coated with Berger range of 2 pack products.

## **PRODUCT USE RESTRICTIONS**

- This product is designed as a primer. It should not remain long without over coating. If directly exposed to sunlight and outdoor conditions this product will chalk as in case with all epoxy products.
- This product is not suitable for use in immersed conditions
- Dry heat resistance up to 80°C
- May also be applied between 100 and 200 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.