



# **BERGER** **Protecton** PROTECTIVE COATINGS

## **EPI LUX 950 SUPER HIBUILD COATING**

### **USES**

An ideal chemical resistant Epoxy Coating recommended for application on MS and concrete structurals, pipelines, tankage exteriors and offshore installations. The coating is suitable for Refinery and Petrochemical units, Chemical and other highly corrosive industries in both new construction and maintenance situations.

### **SCOPE**

A Super Highbuild Epoxy Coating capable of asset protection in single coat. It protects both ms and concrete from chemicals, solvents, and aggressive exposure conditions.

### **PRODUCT DATA**

**Type :** Two Pack, cured with Aliphatic Amine

**Composition :** Catalysed Epoxy resin, suitably pigmented

**Mixing Ratio :** Base : Catalyst – 4 : 1 by volume

**Application :** Brush for small areas. Conventional pressure pot or Airless Spray.

**Pot Life :** 60–75 minutes at ambient conditions

**Recommended DFT :** 125–300 microns per coat  
Av. Recommended DFT-200 mic

**Theoretical Spreading Rate :** 4.25 Sq. Mtr./Ltr. at average 200 mic DFT

#### **Drying Time :**

TOUCH	: Within 3–4 hours
HANDLE	: 8–10 hours
HARD	: 16 hours

**Curing Time :** 7 days minimum

#### **Overcoating Interval :**

MIN	: 24 hours
MAX	: 5 days

**Colour :** White & Greys

**Thinner :** Thinner 844

**Finish :** Glossy; Initial Gloss – 70± 5 at 60°

**Packing :** 20 Ltrs.

**Storage Life :** Upto nine months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

### **Chemical Resistance :**

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUTDOOR RESISTANCE
Mineral Acids like Phosphoric, Sulphuric, Nitric, Hydrochloric	Good	Very Good
Weak Acids	Very Good	Excellent
Alkalis	Very Good	Excellent
Solvents	Very Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

### **Temperature Resistance :**

Continuous	: 100° C
Intermittent	: 120° C

**Weatherability :** Excellent except for Gloss reduction

**Flexibility :** Moderate

**Abrasion Resistance :** Excellent when fully cured

### SURFACE PREPARATION

**Steel :** It must be recommended that specifiers follow the guidelines for surface preparation from the data sheet for the primer selected. The primer surface must be free from grease, oil, dirt and other loosely adhering materials.

**Concrete :** Remove all laitance, form release, grease and mould. Best results achieved when surface is sweep blasted. Fill any large exposed void.

### APPLICATION

Stir contents of both Base and Catalyst drums separately. Mix the components in the recommended proportion thoroughly before and during use.

**Brush :** Suitable for application in small areas.

**Conventional Spray :** Thin upto 15% maximum, depending on conditions, to aid atomisation.

### TYPICAL SET UP

**De Vilbiss JGA 502 Gun or similar** : 704 Air Cap, E Fluid Tip, E Needle  
**Pressure at Pot** : 10-15 psi  
**Pressure at Gun** : 55-60 psi

**Airless Spray :** Standard Airless Spray equipment with 45:1 pump ratio with a fluid tip of 21-25 thou (0.53-0.63 mm.) and an air supply of 80-100 psi. Thinning is normally not required but upto 5% Thinner 844 can be added depending on conditions.

### TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Zinc Anode 304 or Epilux 610 HB or Epilux 13 HB or Epilux FRX A/C	Epilux 950 Super HB	
	- do -	- do -	Bergerthane Finish
	Protectomastic	- do -	- do -
Concrete	Epilux 950 Super HB	- do -	
	- do -	Bergerthane Finish	Bergerthane Finish

#### Precaution :

1. Do not apply in conditions outside the parameters stated in this document without the written consent of Berger Paints India.
2. Freshly mixed materials must not be added to material that has been mixed for sometime.
3. Do not apply at temperature below 10° C or at relative humidity above 85% or when the surface is less than 3° C above the dew point.
4. Clean all equipments with Thinner 844 immediately after use.

**Storage** : Store under cover in a well ventilated area away from the source of heat or ignition. Keep the containers closed when not in use.

**Handling** : As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection should be provided if there be a risk of splashes entering the eyes.

**Using** : Use with good ventilation and avoid inhalation of spray mists and fumes. While spraying, users should comply with the Spray Painting Regulations.

**Flammability :** This product is flammable. All sources of Ignition must be eliminated in, or near the working area. Fight fire with foam, CO<sub>2</sub>, dry chemical powder.

#### DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

Product Design Data same as  
**"DUREBILD 950" of Orica  
 Australia Pty. Ltd.**

**DATA SHEET No. : ORC/0002**  
**Issue Date : Mar. 04**

### BERGER PAINTS INDIA LIMITED

Berger House, 129 Park Street, Kolkata 700017 **Phone** : (033) 2229 9724 (5 lines) / 2249 9754 (4 lines) **Fax** : 91-33-2249 9729 / 2249 9009  
**Email : NORTH** : bpil\_okh@mantraonline.com **SOUTH** : bpil\_ch2@sify.com **EAST** : bpil\_cl1@vsnl.net **WEST** : bpil\_vsh@vsnl.net