



## BERGER **Protecton** PROTECTIVE COATINGS

### EXPILUX 955 HB GLASS FLAKE COATING

#### USES

Recommended for new or existing steel for on shore as well as offshore installations. Ideal coating for Tankages, Pipes Externals of Refineries, Petrochemical and Chemical Units.

#### SCOPE

A high performance glass filled Epoxy Finish Coating having superior corrosion resistance in highly humid, saline and chemical environment. The product is ideal for Tank roof and pipeline external surfaces.

#### PRODUCT DATA

**Type** : Two Pack Epoxy, cured with Polyamine

**Composition** : Glass Flake reinforced modified Epoxy resin cured with special catalyst.

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

**Application** : Brush or Airless Spray. The latter for uniform and high DFT.

**Pot Life** : 60 - 75 Minutes, dependant on ambient conditions

**Recommended DFT** : 200 - 300 microns per coat  
**Av Recommended DFT** : 250 mic.

**Corresponding WFT** : 240 - 360 microns per coat

**Theoretical Spreading Rate** : 3.36 Sq.Mtr/Ltr. at average 250 mic DFT

**Drying Time** :

**TOUCH** : 4 hours  
**HANDLE** : Within 6 - 8 hours  
**HARD** : Overnight

**Curing Time** : 7 days

**Overcoating Interval** :

**MIN** : 24 hours  
**MAX** : 5 Days

**Flash Point** : Above 25° C

**Colour** : Assorted Shades

**Finish** : Smooth and Glossy

**Packing** : 20 Ltrs

**Thinner/Cleaner** : Thinner 844

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

#### RESISTANCE GUIDE

##### Chemical Resistance :

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUT DOOR RESISTANCE
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Acids	Good	Very Good
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Alkalies	Very Good	Excellent
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Solvents	Good	Excellent
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Salt	Excellent	Excellent
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Water	Excellent	Excellent
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**Note** : Not recommended for immersion service in Acids, Alkalies or Solvents.

##### Temperature Resistance :

**Continuous** : 100° C Dry heat  
**Intermittent** : 120° C Dry heat

**Flexibility** : Moderate

**Abrasion Resistance** : Excellent

**Weatherability** : Excellent, Except for Gloss reduction.



**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.

**Airless Spray** : Standard airless spray equipment with 45 : 1 pump ratio with a fluid tip of 21 - 25 thou (0.53 - 0.63mm.) 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 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.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Epilux FRX A/C or Epilux 13 HB Primer	Ep 955 HBGF	Ep 955 HBGF	Bergerthane Finish
-DO-	Ep 955 HBGF	Ep 955 HBGF	Bergerthane Finish	
-DO-	Ep 955 HBGF	Ep 955 HBGF	Bergerthane Finish	
Concrete	Ep 955 HBGF (10-15% Thinned)	Ep 955 HBGF	Bergerthane Finish	

**Precaution :**

1. Do not apply in conditions outside the parameters stated in this document without the written consent of Berger Paints India Ltd.
2. Do not apply at temperature below 10°C or at relative humidity above 85% or when the surface is less than 3°C of the dew point.
3. 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 as good occupational work practice. Eye protection should be provided if there be a risk of splashes entering the eyes.

**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.

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