



Epilux 950 Super Hibuild Coating

Two Pack, cured with Aliphatic Amine

Issue Date : Feb 2025

Product Description

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.

Usage Areas

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 Refineries and Petrochemical units, Chemical and other highly corrosive industries in both new construction and maintenance situations.

Product Data

Composition	Catalysed Epoxy Resin, suitably Pigmented
Volume Solids	85 ± 3%
VOC	130 gms/ltr
Mixing Ratio	Base : Catalyst :: 4:1 (V/V)
Application Method	Brush for small areas, Conventional Pressure Pot or Airless Spray
Recommended DFT	125-300 µ per coat, Average 200 µ per coat
Theoretical Spreading Rate	4.25 m ² /ltr/coat, Average 200 µ DFT
Colour	White & Grey
Finish	Glossy; Initial Gloss - 70 ± 5 at 60°

Practical Coverage : Dependent on-site condition and transfer losses due to substrate design, profile, wind, heights, application method, painter's skill etc.

Pot Life

10°C	15°C	25°C	40°C
3 hrs	2 hrs	75 mins	1 hrs





Epilux 950 Super Hibuild Coating

Two Pack, cured with Aliphatic Amine

Typical Coating Systems	Systems compatibility can be provided on request to the Technical Service Team		
	Coats	Generic Systems	Compatible Products
	Primer	Inorganic Zinc, Epoxy FRX, Mastic	Zinc Anode 304 Coating, Epilux FRX A/C, Epilux 610 HB, Epilux 950 Super HB, Protectomastic
	Mid Coat	Epoxy Intermediate	Epilux 950 Super HB
	Top Coat	Polyurethane	Bergerthane Finish

Pack size		UOM	Part A	Part B	Total
	Volume	Lt/Kg	16 ltr	4 ltr	20 ltr

Storage	The paints must be in its sealed original containers and be kept under cover in a dry place with ambient conditions inside closed room until use. The curing agent is sensitive to moisture and hence relative humidity within the room should be maintained preferably at $\leq 55\%$. Stacking should not be more than 3 drums/ cartons one above other. DO NOT expose to direct rain/ sunlight. Any deviation to the defined storage condition shall have a negative effect on the shelf life.
---------	--

Shelf life	Up to 12 months as long as the sealed original containers are kept under cover in a dry place under normal temperature conditions until use. Note : 1. Storage life @23°C will be extended up to 24 months. Storage at elevated temperatures may reduce shelf life; and hence never exceed maximum room temperature of 40°C. Storage life, thereafter, subject to re-inspection; consult tech-service. 2. It may be noted that higher volume solid material will tend to soft settling on long term storage, and it can made to a normal homogeneous consistency by use of a slow speed 200-400 rpm power stirrer particularly in the PART A (BASE) container; and this soft settling is not considered as a failure of keeping properties.
------------	--

Flash Point	Part A	Part B	Mixed Paint
	22°C	22°C	22°C

Health & Safety	Please refer to the separate Safety Data Sheet available with detailed information.
-----------------	---





Epilux 950 Super Hibuild Coating

Two Pack, cured with Aliphatic Amine

APPLICATION GUIDELINE

Substrate	Steel & Concrete.	
Surface preparation	<p>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.</p> <p>Concrete : Remove all laitance, form release, grease and mould. Best results achieved when surface is sweep blasted. Fill any large exposed void.</p>	
Atmospheric Condition	Ventilation	Suitable air engineering systems, which will ensure reduction of air contaminants and thatto further help regulate the temperature and humidity of the working environment.
	Dew Point	Ensure surface temperature to be more than 3°C over the dew point temperature.
	Humidity	Do not apply when relative humidity rises above 85%.
Mixing	<p>Stir the base thoroughly and then mix base to a homogenous liquid and then add recommended part of catalyst to uniform consistency. Allow the mixture to mature for 15 minutes and stir again before and during application.</p> <p>NOTE : Stir the base thoroughly and then mix base to a homogenous liquid and then add recommended part of catalyst to uniform consistency. Allow the mixture to mature for 15 minutes and stir again before and during application.</p>	
Thinner	Thinner 844	





Epilux 950 Super Hibuild Coating

Two Pack, cured with Aliphatic Amine

Application	<p>Stir contents of both Base and Catalyst drums. Mix the in the before and during use.</p> <p>Brush : Suitable for application in small areas.</p> <p>Conventional Spray : Thin upto 15% maximum, depending on conditions, to aid atomisation.</p> <p>*Do not apply on hot/ cold surfaces. Always apply within the window of 10-50°C.</p>			
Work Stoppage	<p>Ensure to use the mixed paint within pot life as there are no methods to increase working pot life. Keep the working tools and tips free of drying and clogging. Always use fresh material and never add-up to previous mixed paints.</p>			
Clean Up	<p>Clean all equipment immediately after use with thinner 844. It is good working practices to flush or clean all the spray equipment periodically. All the surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations.</p>			
Drying Time	Temperature	Touch dry	Handle dry	Hard dry
	10°C	6 hrs	22 hrs	24 hrs
	23°C	4 hrs	10 hrs	18 hrs
	30°C	3 hrs	8 hrs	16 hrs
	40°C	2 hrs	6 hrs	14 hrs
Over Coating Intervals		@23°C		@30°C
	MIN	18 hrs		16 hrs
	MAX	7 days		5 days





Epilux 950 Super Hibuild Coating

Two Pack, cured with Aliphatic Amine

Curing Time	<p>7 days</p> <p>NOTE : Drying and Curing times are determined under controlled temperatures and at relative humidity below 85%, for the NDFT of the product.</p>
Inspection	<p>Refer SSPC PA2 guidelines for measurement of DFT.</p> <p>Do not conduct any destructive test like peel off/ pull off & high voltage Holiday test unless and otherwise mandatory in the specification.</p> <p>Consult Technical Service team for preparation of QAP (Quality Assurance plan).</p>
Repair Methodology	<p>Clean off loose paints, debris, contaminants and ensure spot repair with available tools as practiced in hand/ power tool cleaning using wire brush/buffing, emery/feathering to smoothen the edges of impaired areas. Use appropriate touch up primer followed by recommended coating system, allowing due over coating interval time to area of 2-3 inches in excess of the spot repaired portion.</p>
Product Characteristics	<ul style="list-style-type: none"> • Epilux 950 Super Hibuild Coating exhibits good resistance to Mineral Acids like Phosphoric, Sulphuric, Nitric, Hydrochloric when exposed to splashes, spills and very good when exposed to mild fumes. • Excellent resistance to Weak Acids, Alkalies when exposed to splashes, spills and very good when exposed to mild fumes. • Excellent resistance to Salt & Water when exposed to splashes, spills and mild fumes. • The temperature resistance is 100°C for continuous use and 120°C for intermittent use. • The weatherability is excellent in the system except Gloss reduction. • The abrasion resistance is excellent when fully cured.
Disclaimer	<p>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.</p>