



Epilux CUI Coating

USES

An ideal coating for project and maintenance requirements with self priming property specifically designed for corrosion under insulation as required in Refineries, Petrochemicals, Heavy Chemicals and other plants.

SCOPE

A high performance high build Epoxy Novalac coating for high temperature wet/ dry insulation service in petrochemical and pharmaceutical installations for its excellent chemical, water and solvent resistance.

PRODUCT DATA	
Type	Two Pack High Build Epoxy Novalac
Composition	Epoxy Novalac suitably pigmented cured with modified amine hardener
Mixing Ratio	Base : Catalyst - 6.4 : 1 by volume
Application	Airless spray recommended for uniform and higher film build. Brushing for touching up small areas
Pot Life	1 hrs @ 27 ± 3°C
Recommended DFT	100 - 150 μ's per coat
Corresponding WFT	147 - 221 μ's per coat
Theoretical Spreading Rate	4.5 - 6.8 m ² /ltr.
Drying Time	
TOUCH	: 2 to 3 hours
HARD	: Within 10 hours
Curing Time	: 7 days
Overcoating Interval	
MIN	: Overnight
MAX	: 3 days
Flash Point	: Above 25° C
Colour	: Light Grey
Finish	: Smooth with Egg Shell Gloss
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
Acids	Excellent
Alkalis	Excellent
Solvents	Excellent
Salt	Excellent
Water	Excellent
Temperature Resistance :	
	Wet Heat upto 180°C
	Dry Heat upto 230°C
Flexibility : Good	
Abrasion Resistance : Excellent	

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SURFACE PREPARATION

Steel : Remove grease, oil and other contaminants preferably by using a degreasing solvent. Abrasive blast clean to a minimum SSPC SP 10 with a surface profile not exceeding 50 microns. The surface should be clean and dry before application of the primer coat. In cases where abarasive blasting is not feasible in maintenance then prepare the surface to SSPC SP 11 using power tool cleaning after thouroughly water jet washing and drying with maximumof light flash rusting as per standards NACE NO. 5 or SSPC SP 12- WJ2 and NV2 as referred in SSPC vis-5 pictorial standard.

APPLICATION

Stir base thoroughly and then mix the components in the recommended ratio to a homogenous consistency. Allow the mixture to mature for 5 minutes and stir again before use and during application.

Airless Spray : Apply preferably without thinning. However, if required, add upto 5% Thinner 844. Use any standard airless spray equipment such as Graco, Binks or other with a 58 : 1 pump ratio with a fluid tip of 21 - 26 thou (0.53 - 0.66 mm) or adjustable tip and an air supply of 690 - 830 kPa (100 - 120 p.s.i.) and a line size of 12 mm ID. Apply material immediately after mixing and clean equipment and hose thoroughly immediately after use. If hose is not cleaned well, then it is to be noted that it will give improper spray and may also turn to be a safety hazard.

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Zinc Anode 304	Epilux CUI Coating	Epilux CUI Coating
Steel	Epilux CUI Coating	Epilux CUI Coating	Epilux CUI Coating

Precaution :

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 10⁰ C or when relative humidity rises above 90%.
3. Application equipments should be cleaned with Thinner 844 otherwise equipment is likely to be damaged.
4. Apply the paint when the surface temperature is more than 3⁰C to dew point temperature.
5. Do not apply during rain, fog or mist or over cast clouds. Do not apply on sweating lines.

Health & Safety : Please refer to the separate safety data sheet available with detailed information.

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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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
protecton@bergerindia.com | www.bergerindia.com