



BERGER  **Protecton** PROTECTIVE COATINGS

Epilux 9 HB Phenolic Coating

USES

Recommended for use as a tank interior coating for both mild steel and concrete in refineries, petrochemicals, heavy chemical industries.

SCOPE

A high performance high build epoxy phenolic tank liner for sustained immersion in hydrocarbon cargoes at elevated temperatures along with its excellent chemical, water and solvent resistance.

PRODUCT DATA

Type : Two Pack High Build Epoxy Phenolic Coating

Composition : Epoxy Phenolic resin suitably pigmented and cured with modified Amine hardener.

Mixing Ratio : 10 : 1 by volume

Application : Airless spray recommended for uniform and higher film build. Brush for touching up small areas

Pot Life : 2 - 3 Hours at ambient conditions

Recommended DFT : 125- 175 μ per coat

Corresponding WFT : 192- 269 μ per coat

Theoretical Spreading Rate : 3.7- 5.2 m²/Ltr.

Drying Time :

TOUCH : 2 to 3 Hours
HARD : Within 10 Hours

Curing Time : 7 days

Overcoating Interval :

MIN : Overnight
MAX : 5 Days

Flash Point : Above 25° C

Colour: Grey

Finish : Smooth with Egg Shell Gloss

Packing: 11 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	IMMERSION
Acids	Very Good	Very Good
Alkalis	Excellent	Excellent
Solvents	Excellent	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Temperature Resistance :

up to 160°C

Flexibility : Moderate

Abrasion Resistance : Excellent

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SURFACE PREPARATION

Steel : Remove grease, oil and other contaminants as per SSPC SP1. Abrasive blast clean to a minimum SSPC SP 10 with a surface profile not exceeding 65 microns. The surface should be clean and dry before application of the primer coat.

Concrete : New Concrete : Ensure that the concrete is cured for a minimum of three months. The surface is to be made rough and free from laitance and other contaminants by sand sweeping. **Old Concrete** : Remove all salt deposits from the surface by water jet washing. Light sand blast the surface to remove all loosely bound coatings and roughening up of firmly adhering coatings to ensure anchorage with recommended system. Ensure all dust/other particles are fully removed by suction or air blast and the surface is fully clean and dry before application of the recommended Primer.

APPLICATION

Stir base thoroughly and then mix the components in the recommended ratio to a homogenous consistency. Allow the mixture to mature for 30 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 equipment having pump ratio 55 : 1. Tip Size 0.43 - 0.48 mm. Tip Pressure 110 - 160 Kg/Sq cm.

TYPICAL PAINTING SPECIFICATIONS

Surface		1st Coat	2nd Coat	3rd Coat
Steel		Epilux FRX AC Coating or Epilux 13 HB Primer	Epilux 9 HB Phenolic Coating	Epilux 9 HB Phenolic Coating
Steel		Zinc Anode 304	Epilux 9 HB Phenolic Coating	Epilux 9 HB Phenolic Coating
Concrete or Surfaces	Plastered	Epilux 9 HB Phenolic Coating [thin coat]	Epilux 9 HB Phenolic Coating	Epilux 9 HB Phenolic 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 rises above 90%. Do not apply during rain, fog or mist.
3. Application equipments should be cleaned with Thinner 844 otherwise equipment is likely to be damaged.
4. Colour may change on exposure due to yellowing of resins.

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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