

BERGER Protecton

Epilux 9 Phenolic Coating

Scope

A high performance Epoxy Phenolic tank liner for sustained immersion service in Hydrocarbon cargoes at elevated temperature. The product is self priming and possesses excellent chemical, water and solvent resistance.

Uses

Recommended for use as a tank interior coating (both mild steel and concrete) in refineries, petrochemicals, heavy chemicals and other plants.

Product Data

Type: Two pack, cured with Amine Adduct

Composition: Catalyzed epoxy phenolic resin suitably pigmented

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

Pot Life: 6-8 hours

Application: Brush or airless spray. Airless spray recommended for uniform and higher film build.

Recommended DFT: 100-150 microns per coat

Corresponding WFT: 172-256 Microns per coat

Theoretical Spreading Rate: 3.9-5.8 sq. Mtr/Ltr

Drying time:

TOUCH: 2-3 hours

HANDLE: 6-8 hours

HARD: Overnight

Curing Time: 7 days minimum

Overcoating Interval: Min: Overnight
Max: 5 days

Flash Point: Below 22 degree C

Colour: White, Lt Grey and Dk Grey

Packing: 20 Ltrs.

Thinner / Cleaner: Thinner 844

Finish: Matt to Egg-shell

Storage Life: Up to twelve months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

Resistance Guide

Chemical Resistance

Exposures	Immersion
Acids	Good
Alkalis	Excellent
Solvent	Excellent
Salt	Excellent
Water	Excellent

Temperature Resistance:

Upto 160 degree C

Flexibility: Moderate

Abrasion Resistance: Very Good

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Surface Preparation

Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast clean to a minimum Sa 2 ½ Swedish Standards SIS 05 5900. For severe corrosive conditions, blast to Sa 3 with a surface profile not exceeding 65 microns. The surface should be clean and dry before application of Epilux 9 Phenolic Coating.

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 Paint.

Application

Stir base thoroughly and then mix three parts of base and one part of catalyst by volume to a homogenous consistency. Allow the mixture to mature for 30 minutes and stir again before use and during application.

Brush: Add upto 5% Thinner 844 during application.

Airless spray: Apply preferably without thinning. However, if required, add upto 5% Thinner 844. Use any standard equipment having pump ratio 30:1. 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 610 Primer or Epilux 13 Primer or Zinc Anode 304	Epilux 9 Phenolic Coating	Epilux 9 Phenolic Coating
-do-	Epilux 9 Phenolic Coating	- do -	
Concrete or Plastered Surfaces	Epilux 9 Phenolic Coating (thin coat)	- do -	- do -

Notes:

1. Use off the mixed paint within the stipulated pot life period
2. Do not apply when temperature falls below 10 degree C or rises above 50 degree C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
3. Brushes and spray equipment should be cleaned with Thinner 844 otherwise equipment is likely to be damaged.
4. To achieve recommended film thickness and uniform finish, use airless spray.

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

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