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.

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
Packaging: 20 Ltrs.
Thinner / Cleaner: Thinner 844
Finish: Matt to Egg-shell

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

<table>
<thead>
<tr>
<th>Surface</th>
<th>1st coat</th>
<th>2nd coat</th>
<th>3rd coat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>Epilux 610 Primer or Epilux 13 Primer or Zinc Anode 304</td>
<td>Epilux 9 Phenolic Coating</td>
<td>Epilux 9 Phenolic Coating</td>
</tr>
<tr>
<td>-do-</td>
<td>Epilux 9 Phenolic Coating</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td>Concrete or Plastered Surfaces</td>
<td>Epilux 9 Phenolic Coating (thin coat)</td>
<td>- do -</td>
<td>- do -</td>
</tr>
</tbody>
</table>

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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