PRODUCT DESCRIPTION

EcoLine®-3690 is a biodegradable, biobased, ready-to-use temporary coating designed for severe marine and high humidity conditions. When applied to the surface, this product leaves an oily film, which provides excellent sheltered outdoor protection on any metal surface. The film is self-healing and moisture-displacing, providing superior protection against aggressive environments.

Based on canola oil, EcoLine® 3690 is 76% biobased, and has been awarded the USDA BioPreferred™ designation (www.biopreferred.gov)

FEATURES

- USDA certified biobased product
- Biodegradable
- Contains 76% biobased content
- Non-hazardous, non-toxic
- Excellent indoor and sheltered outdoor protection
- Provides multi-metal corrosion protection
- Excellent lubricity
- Temperature stable up to 180°F (82°C)
- Low freezing point 0°F (-18°C)
- Can be applied to painted surfaces
- Meets MIL-PRF-16173E (Grade 2,3)

TYPICAL APPLICATIONS

- Long-term (5+ years) equipment lay-up
- Pipes, couplings, pumps, cylinders and cables
- Sheltered outdoor coating
- Gear protectant/lubricant
- Working/moving parts

<table>
<thead>
<tr>
<th></th>
<th>ASTM</th>
<th>DFT</th>
<th>Carbon Steel (1010)</th>
<th>Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity B-117</td>
<td>D-1748</td>
<td>1-mil(25 microns)</td>
<td>2000+hr</td>
<td>3000+hr</td>
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<tr>
<td>Salt Spray B-117</td>
<td></td>
<td>1-mil(25 microns)</td>
<td>500+hr</td>
<td>1000+hr</td>
</tr>
</tbody>
</table>

METALS PROTECTED

- Carbon Steel
- Silver
- Cast Iron
- Stainless Steel
- Copper
- Magnesium
- Aluminum

MINIMUM REQUIREMENTS FOR SURFACE PREPARATION

<table>
<thead>
<tr>
<th>NACE</th>
<th>SSPC</th>
<th>ARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>7-63</td>
<td>As low as B-3</td>
</tr>
</tbody>
</table>

Methods for Monitoring:
Wet Film Thickness Gauge
TYPICAL PROPERTIES

Appearance: Oily brown/tan liquid
Film Type: Oily
Flash Point: 482°F (250°C)
Freezing Point: 0°F (-18°C)
Shelf Life: 24 months @ 75°F (24°C)
Non-volatile Content: 95-100%
VOC: 0
Theoretical Spread Rate: 500-525 ft²/gal @ 3 mils
Viscosity: 500-2,000 cps
Weight per Gallon: 7.7-7.9 lb/gal

APPLICATION

Product Preparation:
Product should be mixed thoroughly and uniform prior to use.

Product Application:
Product can be applied by spray, brush, roll, or dip. Normal DFT is 2 mils (50 microns). Apply EcoLine® 3690 in a well-ventilated area.

Product Cleanup:
For cleanup of tools and overspray, use alkaline cleaners such as Cortec® VpCI®-414 or mineral spirits

PACKAGING

EcoLine® 3690 is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

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