



HIGH PERFORMANCE VpCI™ COATINGS

EcoLine® 3690, Open Air Corrosion Inhibitor



PROTECTION PROPERTIES

	ASTM	DFT	Carbon Steel (1010)	Aluminum
Humidity	D-1748	1-mil (25 microns)	2000+ hr	3000+ hr
Salt Spray	B-117	1-mil (25 microns)	500+ hr	1000+ hr

METALS PROTECTED

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

PRODUCT DESCRIPTION

EcoLine 3690 is a biodegradable, biobased, ready-to-use temporary coating designed for severe marine and high humidity conditions. When applied on the surface, this product leaves an oily film, which provides excellent 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 70-75% biobased, safer for people and environment.

FEATURES

- Biodegradable
- Biobased: made with sustainable resources
- Non-hazardous, non-toxic
- Excellent indoor and 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)

TYPICAL APPLICATIONS

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

MINIMUM REQUIREMENTS FOR SURFACE PREPARATION

NACE	SSPC	ARS
4	7-63	As low as B-3

Methods for Monitoring:
Wet Film Thickness Gauge

TYPICAL PROPERTIES

Appearance	Brown/tan viscous 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	98-100%
Theoretical Spread Rate	500-525 ft ² /gal @ 3 mils (12-13 m ² /l @ 75 microns)
Viscosity	10,000-40,000 cps
Weight per Gallon	7.9-8.0 lb/gal (0.94-0.95 kg/l)



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.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
Internet <http://www.CortecVCI.com>

printed on recycled paper  100% post consumer
Revised 3/13/08, Cortec Corporation 2008. All rights reserved. Supersedes: none
Cortec® is a trademark of Cortec Corporation
© 2008, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited.