



EcoLine® 3680

Biobased Open Atmosphere Corrosion Inhibitor

PRODUCT DESCRIPTION

EcoLine 3680 is a temporary coating formulated with USDA (United States Department of Agriculture) certified biobased, renewable and biodegradable raw materials; which allows use for corrosion protection of equipment where incidental contact with food is possible. EcoLine 3680 leaves a tenacious, dry-to-touch protective coating, wax-like film that can be removed with alkaline cleaners such as Cortec® VpCI-414.

FEATURES

- Formulated with biobased, renewable and sustainable raw materials
- HX-1 approval, pending
- Excellent indoor and outdoor protection
- Multimetal protection

TYPICAL APPLICATIONS

- Pipe coating
- Parts storage
- Wire rope
- Steel plate
- Machined parts

TYPICAL PROPERTIES

Appearance	Off white viscous liquid
Coverage	300-330 ft ² /gal @ 3 mils (7-8 m ² /l @ 75 microns)
Dry Film Time	12-24 hours
Film Type	Wax-like
Removal Method	Alkaline cleaner
Carrier	Mineral spirits
VOC	2.9-3.1 lb/gal (347-372 g/l)
Density	7.3-7.5 lb/gal (0.87-0.90 kg/l)
Salt Spray ASTM B-117	5-6 mils (125-150 microns), DFT Carbon Steel 1010, 300+ hrs
Humidity ASTM D-1748	2-3 mils (50-75 microns), DFT Carbon Steel 1010, 1000+ hrs.

Note: Coating dry time is affected by temperature, air-flow, and humidity.

METALS PROTECTED

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

APPLICATION

EcoLine 3680 may be applied by brushing or spraying. A film thickness of at least 5-6 mils (125-150 microns) is recommended for outdoor use and 2-3 mils (50-70 microns) for indoor use.

Surface Preparation:

NACE	SSPC	ARS
3 or 4	6 or 7	High B-2

Product Cleanup:

- Use mineral spirits for cleanup of equipment.
- Alkaline cleaners such as VpCI-414 can be used for clean up of overspray. Cleaners should be heated to 100-200°F (30-48°C) if possible.

RECOMMENDED SPRAY EQUIPMENT

This information is based on spraying EcoLine 3680 at 2 parts concentrate to 1 part mineral spirits. A ready-to-use version of EcoLine 3680 is also available. The viscosity range is between 100-1,000 cps. If using a dilution other than this, please consult a Cortec or Graco representative.

Model	510 Airless/AA Plus
Pump	30:1 President
Tip	0.011-0.015 in (0.028-0.038 cm)
Cap	Standard
Filter	60 Mesh High Pressure
Air Pressure	80 psi
Fluid Hose	3/8" x 10' with 1/4" whip hose for ease of handling
Fluid Pressure (Supply/Gun)	2000/1700 psi (138/117 bar)

The minimum fluid atomization pressure required is 1500 psi (103 bar), which gives 2-4 mils (50-100 microns) WFT/pass.



PACKAGING AND STORAGE

EcoLine 3680 is available in 5 gallon (19 liter) steel pails,
55 gallon (208 liter) metal drums, totes, and bulk.
Shelf Life is 24 months @ 75°F (24°C).

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

**CONSULT SAFETY DATA SHEET FOR MORE
INFORMATION**

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printed on recycled paper  100% post consumer

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