

# ChemLINE® EF

*A coating with superior chemical resistance  
and high temperature resistance, based on an  
Ethanol solvent formulation.*



## Description

ChemLine® EF is a high functionality, two component thermoset polymer coating formulated with ethanol as the reduction solvent. ChemLine® EF assures that no hydrocarbon contamination can occur in alcohol cargoes from the lining. ChemLine® EF is formulated with a unique polymer, that when polymerized, cross-links up to 784 times per molecule. This results in a virtually impermeable, highly chemical resistant coating.

### ChemLine® EF's higher cross link density and alcohol solvent formulation means:

- ▶ Outstanding chemical resistance to alcohols, acids, caustics and solvents.
- ▶ High heat resistance
- ▶ High abrasion resistance
- ▶ No risk of hydrocarbon contamination of cargoes
- ▶ Suitable for food cargoes

### Provides Superior Chemical Resistance to:

- ▶ 193 Proof Alcohol
- ▶ Ethanol
- ▶ Methanol
- ▶ 98% Sulfuric Acid
- ▶ 37% Hydrochloric Acid
- ▶ 50% Sodium Hydroxide
- ▶ Methylene Chloride
- ▶ Acetic Acid
- ▶ Most acids, alkalis and solvents

## Industry Applications

- ▶ **Food Processing** – Alcohol containing products such as wine and spirits
- ▶ **Transportation** – Rail, Truck, Marine
- ▶ **Storage Vessels**
- ▶ **Bio-Fuel and Alcohol Processing**
- ▶ **ISO tanks, OTR tankers, railcars and barges carrying alcohol based cargoes**

## Product Highlights

- ▶ No hydrocarbon contamination of cargoes
- ▶ Superior corrosion resistance, exceptional toughness
- ▶ Superior bonding qualities
- ▶ Applied to pitted and/or corroded steel
- ▶ Maximum versatility; product cycling
- ▶ Ambient or low temperature forced air cure
- ▶ Very low VOC - 78 grams/L (0.65 lbs. per gallon)
- ▶ Virtually non-permeable, steam cleanable, & field repairable
- ▶ Resists hydroblasting
- ▶ Excellent UV resistance
- ▶ Complies with all FDA regulations
- ▶ ChemLine® is generally recognized as safe (GRAS) for food grade cargoes
- ▶ High impact resistance
- ▶ Dry heat resistance to 400° F (204° C)

## Typical Properties

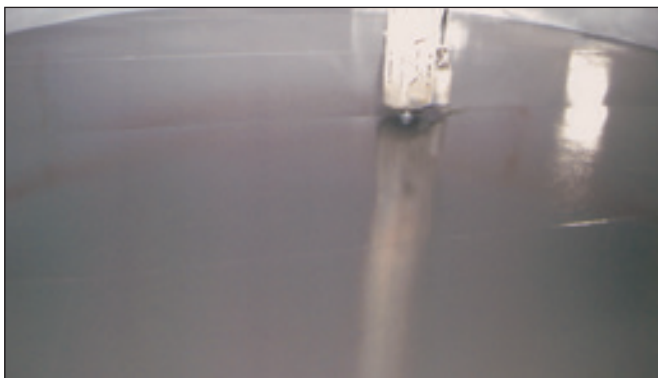
- ▶ Stock Colors \_\_\_\_\_ Gray, White
- ▶ V.O.C. Level/Gal. \_\_\_\_\_ 78 grams/L (0.65 lbs./gal.)
- ▶ Lead Content \_\_\_\_\_ Zero
- ▶ Chromate Content \_\_\_\_\_ Zero
- ▶ Pot Life \_\_\_\_\_ 30 minutes @ 75°F (24°C)
- ▶ Viscosity Reduction \_\_\_ Reduce with 200 proof Ethanol ONLY
- ▶ Solids by Weight \_\_\_\_\_ 95% ±2%
- ▶ Recommended Film Thickness (dry) mils average  
\_\_\_\_\_ Steel: 12 mils (300 microns)
- ▶ Shelf Life \_\_\_\_\_ 12 months

*For product recommendations and technical, application and heat curing information contact Advanced Polymer Coatings' customer service. Contact +01 440-937-6218.*

# ChemLINE<sup>®</sup>EF

## A History of Performance

For more than a decade ChemLine<sup>®</sup> coatings have withstood the tremendous stresses and extremes of chemical attack and abrasive wear. ChemLine<sup>®</sup> has been proven worldwide under the most arduous operating conditions, from resisting the most aggressive chemicals to handling hot pipelines in sub-freezing temperatures, with a history of success. Based on this experience, the development of



ChemLine<sup>®</sup> represents a quantum leap in chemical resistant polymer coatings.

## Add to Your Profits — Specify ChemLine<sup>®</sup>

For the full story on ChemLine<sup>®</sup>, contact APC or click onto our web site at [www.adv-polymer.com](http://www.adv-polymer.com) for the most versatile, technologically advanced and cost effective protection available.



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