

# ChemLINE<sup>®</sup> 784 WS

## Wine and Spirits



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

### Description

ChemLINE<sup>®</sup> WS (Wine and Spirits) is a high functionality, two component thermoset polymer coating formulated with ethanol as the reduction solvent. ChemLINE<sup>®</sup> WS assures that no hydrocarbon contamination can occur in alcohol cargoes from the lining. ChemLINE<sup>®</sup> WS 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<sup>®</sup> WS'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:

- |                         |                                    |
|-------------------------|------------------------------------|
| ▶ Ethanol               | ▶ 50% Sodium Hydroxide             |
| ▶ Methanol              | ▶ Methylene Chloride               |
| ▶ 98% Sulfuric Acid     | ▶ Acetic Acid                      |
| ▶ 37% Hydrochloric 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**

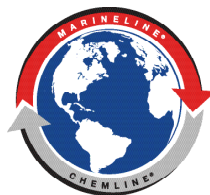
### Product Highlights

- ▶ No hydrocarbon contamination of cargoes
- ▶ Superior corrosion resistance, exceptional toughness
- ▶ Superior bonding qualities
- ▶ Can be applied to pitted and/or corroded steel
- ▶ Maximum versatility; product cycling
- ▶ Ambient or lower temperature forced air cure
- ▶ Low VOC - 104 grams/L (0.87 lbs./ gal.)
- ▶ Virtually impermeable, steam cleanable, & field repairable
- ▶ Resists hydroblasting
- ▶ Complies with all FDA regulations
- ▶ ChemLINE<sup>®</sup> is generally recognized as safe (GRAS) for food grade cargoes
- ▶ High impact resistance
- ▶ Dry heat resistance to 400° F (204° C)

### Typical Properties (mixed, as supplied)

- ▶ Stock Colors \_\_\_\_\_ Gray, White
- ▶ VOC Level \_\_\_\_\_ 104 grams/L (0.87 lbs./gal.)
- ▶ Pot Life \_\_\_\_\_ 30 minutes @ 75°F (24°C)
- ▶ Viscosity Reduction \_\_\_ Reduce with 200 proof Ethanol ONLY
- ▶ Solids by Volume \_\_\_\_\_ 87%
- ▶ 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 +1 440-937-6218.*



**ADVANCED**  
**POLYMER COATINGS**

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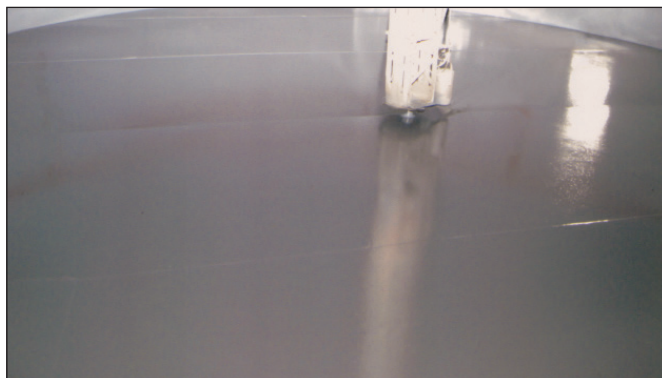
### A History of Performance

For more than a decade ChemLINE® coatings have withstood the tremendous stresses and extremes of chemical attack and abrasive wear. ChemLINE® 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® represents a quantum leap in chemical resistant polymer coatings.

### Add to Your Profits — Specify ChemLINE®

For the full story on ChemLINE®, 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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