

ChemLINE[®] 784 WS

Wine and Spirits



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

Description

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

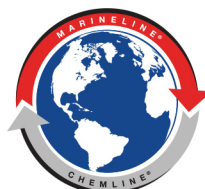
- ▶ No hydrocarbon contamination of cargoes
- ▶ Superior corrosion resistance, exceptional toughness
- ▶ Superior bonding qualities
- ▶ Can be applied to pitted and/or corroded steel
- ▶ Maximum versatility; product cycling
- ▶ Ambient or lower temperature forced air cure
- ▶ Low VOC - 104 grams/L (0.87 lbs./ gal.)
- ▶ Virtually impermeable, steam cleanable, & field repairable
- ▶ Resists hydroblasting
- ▶ High impact resistance
- ▶ Dry heat resistance to 400° F (204° C)
- ▶ ChemLINE[®] WS is generally recognized as safe (GRAS) for use in food contact applications in the United States*
- ▶ BPA Free
- ▶ Resistant to broad range of CIP detergents & percentages

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: 12-14mils (300-350 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.

*contact a ChemLINE[®] representative for details on specific applications



**ADVANCED
POLYMER COATINGS**

ChemLINE[®] 784 WS

Wine and Spirits



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