

ChemLINE® 2400 ES

Elevated Service

Protective lining for abrasion resistant service at higher temperatures.



Description

ChemLINE® 2400 ES (Elevated Service) is an abrasion resistant heat cured polymer lining system. ChemLINE® 2400 ES is a tough, flexible lining designed to handle the abrasiveness of coal, ore, plastic pellets and other media up to 400°F (204°C). ChemLINE® 2400 ES has excellent chemical resistance capable of withstanding the corrosive attack that normally comes with media handled.

Chemical Resistance

Sulfuric acid to 98%, most solvents including methylene chloride, MEK, methanol, gasohol, distilled water, inorganic acids, dilute organic acids and alkalis. Ideal for corrosive vapor environments.

Industry Applications

- ▶ Slurry pipes
- ▶ Ducts
- ▶ Pumps
- ▶ Coal bunkers
- ▶ Bag houses
- ▶ Ion exchange vessels
- ▶ Hoppers
- ▶ Silos and chutes

Application Highlights

- ▶ Can be applied to pitted and corroded steel surfaces
- ▶ Outstanding abrasion resistance
- ▶ Force cured system
- ▶ Low VOC - 110 grams/L (0.92 lbs. per gallon)
- ▶ Excellent adhesion
- ▶ Good flexibility and toughness
- ▶ Field repairable
- ▶ Steam cleanable
- ▶ Resists hydroblasting
- ▶ Dry heat resistance to 500°F (260°C)

Typical Properties (mixed, as supplied)

- ▶ Stock Colors _____ Gray, Red
- ▶ V.O.C. Level/Gal. _____ 110 grams/L (0.92 lbs./gal.)
- ▶ Pot Life _____ 120 minutes @ 75°F (24°C)
- ▶ Viscosity Reduction _____ Reduce with Toluene or Xylene
- ▶ Solids by Volume _____ 87%
- ▶ Recommended Film Thickness (dry) mils average _____ Steel: 16 mils (400 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

Superior Corrosion Resistance Performance

This is Only A Reference Guide.
 Contact your ChemLINE® Representative or the ChemLINE® Customer Service Hotline +1 440-937-6218 for detailed specifications prior to any final coatings recommendation or application.

Chemical Resistance Test

See the APC Chemical Resistance Tables for more complete chemical listings.

	ChemLINE®	Vinyl Ester	Epoxy (Hitbuild)	Rubber	Phenolic (Hitbake)
Acetone	A	N	N	N	A
Ammonium Chloride	A	A	A	A	L
Ammonium Hydroxide	A	A	A	A	L
Benzene	A	A	N	N	A
Black Liquor (Paper)	A	A	A	A	L
Bromine Water	A	N	N	N	L
Carbon Tetrachloride	A	A	N	N	A
Chlorine Water	A	A	N	A	N
Chlorobenzene	A	A	A	N	N
Chromic Acid, 20%	A	N	N	A	L
Dichlorobenzene	A	N	N	—	N
Dimethylformamide	A	N	N	N	A
Ethanol	A	A	A	L	A
Formaldehyde	A	A	A	N	A
Furfural Alcohol	A	L	N	N	A
Gasoline	A	A	A	N	A
Hydraulic Oil	A	A	L	L	A
Hydrochloric Acid, 0-37%	A	A	A	A	L
Jet Fuel	A	A	A	L	A

	ChemLINE®	Vinyl Ester	Epoxy (Hitbuild)	Rubber	Phenolic (Hitbake)
Kerosene	A	A	A	L	A
Latex	A	L	L	N	A
Methanol	A	L	N	N	A
Methylene Chloride	A	N	N	N	A
MEK	A	L	N	N	A
MIBK	A	L	N	N	A
Nickel Plating	A	A	A	---	A
Slurries	A	L	L	L	L
Sodium Chloride	A	A	A	A	A
Sodium Dichromate	A	L	N	A	N
Sodium Hydroxide	A	N	L	A	N
Sulfite Liquor (Paper)	A	A	A	A	A
Sulfuric Acid, 0-98%	A	N	N	A	A
Tallow	A	N	N	N	A
Toluene	A	A	A	N	A
Trichloroethylene	A	N	N	N	---
White Liquor (Paper)	A	A	A	L	A

A = Good at ambient temperatures L = Limited Service N = Not recommended — = No information

Abrasion Resistance

Miligrams Loss / 1000 Cycles

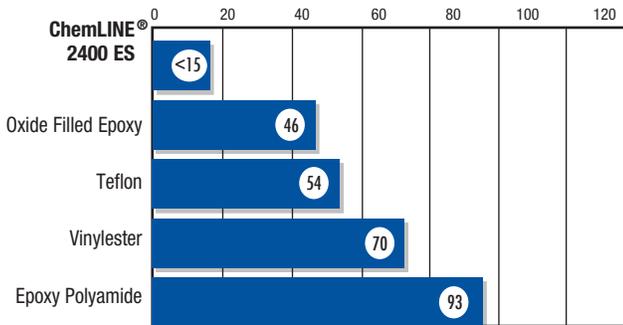


Chart Background

Comparison of ChemLINE® 2400 ES vs. Various Linings using Taber Abrasion Test ASTM D4060; CS-17 WHEELS

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