

ChemLINE® 2400/32

A protective lining for abrasion resistant service at higher temperatures.



Description

ChemLine® 2400/32 is an abrasion resistant two component ambient or low temperature force cured polymer lining system. ChemLine® 2400/32 is a tough, flexible lining designed to handle the abrasiveness of coal, ore, plastic pellets, slurries and other media.

ChemLine® 2400/32 has excellent chemical resistance capable of withstanding the corrosive attack that normally comes with media handled.

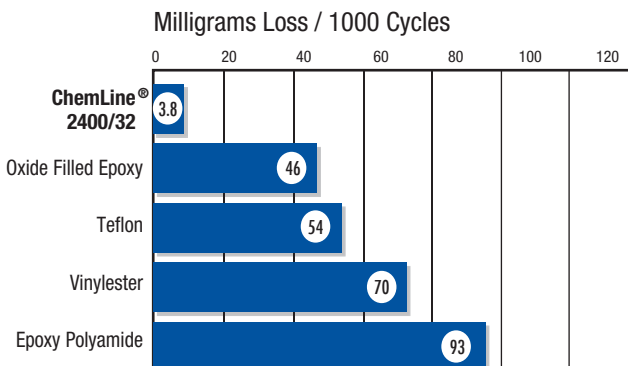
Chemical Resistance

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

- ▶ Hopper cars
- ▶ Coal chutes
- ▶ Slurry pipe
- ▶ Bag houses
- ▶ Legs of oil platforms
- ▶ Ion exchange vessels
- ▶ Pumps

Abrasion Resistance



Application Highlights

- ▶ Can be applied to pitted and corroded steel surfaces
- ▶ Very high abrasion resistance
- ▶ Ambient cure
- ▶ Low VOC - 99 grams/L (0.80 lbs.per gallon)
- ▶ Excellent adhesion
- ▶ Good flexibility and toughness
- ▶ Field repairable
- ▶ Steam cleanable
- ▶ Complies with FDA 21 CFR 175.300
- ▶ Resists hydroblasting
- ▶ Dry heat resistance up to 400°F (204°C)
- ▶ ChemLine® 2400/32 coating complies with the FDA and all applicable food additive regulations.

Typical Properties

- ▶ Stock Colors _____ Gray
- ▶ V.O.C. Level/Gal. _____ 99 grams/L (0.80 lbs./gal.)
- ▶ Lead Content _____ Zero
- ▶ Chromate Content _____ Zero
- ▶ Pot Life _____ 30 minutes @ 75°F (24°C)
- ▶ Viscosity Reduction _____ Reduce with Toluene or Xylene
- ▶ Solids by Volume _____ 91.0%
- ▶ Recommended Film Thickness (dry) mils average
_____ Steel: 16 mils (400 microns)
_____ Concrete: 24 mils (600 microns)
- ▶ Shelf Life _____ 12 months

For most current application and technical information, contact Advanced Polymer Coatings customer service.

Chart Background

Comparison of ChemLINE® 2400/32 vs. Various Linings using Taber Abrasion Test ASTM D4060 C-17 WHEEL

Superior Corrosion and Erosion Resistance Performance

Chemical Resistance Test

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

	ChemLine® 2400/32	Vinyl Ester	Epoxy (Hibuild)	Rubber	Phenolic (Hibake)
Glacial Acetic Acid	A	N	N	L	L
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, 50%	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
Hydrofluoric Acid, 52%	A	N	N	—	N
Jet Fuel	A	A	A	L	A

	ChemLine® 2400/32	Vinyl Ester	Epoxy (Hibuild)	Rubber	Phenolic (Hibake)
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
Molten Sulfur	A	N	N	N	L
Monochloroacetic Acid	A	N	N	N	N
Nickel Plating	A	A	A	—	A
Phosphoric Acid, 85%	A	N	N	L	L
Sodium Chloride	A	A	A	A	A
Sodium Dichromate	A	L	N	A	N
Sodium Hydroxide	A	N	L	A	N
Sodium Hypochlorite, 17%	A	A	N	N	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

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