ChemLINE® Primer

A primer with superior chemical resistance and exceptional toughness.

Description

ChemLine® Primer is a surface tolerant primer and sealer with high elongation for priming concrete substrates prior to application of ChemLine® coating system.

Purpose

ChemLine® Primer is an ambient or low temperature forced air cure coating for the sealing of porous concrete surfaces prior to application of ChemLine® coating system.

Packaging

ChemLine® Primer is packaged in 1-gallon kits.

Finished ChemLine® Primer application over concrete surface.

Application Highlights

On Concrete Substrates – ChemLine® Primer:

- Fills small voids and bugholes
- Retards hydrostatic water leakage
- Two topcoats of ChemLine® 784/32 delivers a chemical resistant concrete structure, able to resist concentrated acids, caustics, and solvents.
- Dry surface temperature limit 200°F (93°C)

Typical Properties

- Stock Colors _____ Blue
- V.O.C. Level/Gal. _____ 99 grams/L (0.80 lbs./gal.)
- Lead Content _____ Zero
- Chromate Content _____ Zero
- Pot Life _____ 30-45 minutes @ 75°F (24°C)
- Viscosity Reduction _____ Reduce with Toluene or Xylene
- Solids by Volume _____ 91.0%
- Recommended Film Thickness (dry) mils average _____ 3-5
- Shelf Life _____ 12 months

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

ADVANCED POLYMER COATINGS

ChemLINE®

This is Only A Reference Guide

Contact your ChemLine® Representative or the ChemLine Customer Service Hotline 1-800-334-7193 for detailed specifications prior to any final coatings recommendation or application.

PRODUCT NAME	TEMP RATING	CURE SCHEDULE	APPLICATION METHOD	SYSTEM DFT	TYPICAL APPLICATIONS	FEATURES & BENEFITS
ChemLine® 784/32	-40°F to +400°F (-40°C to 204°C)	180°F to 300°F (6 hours) (82°C - 149°C)	SP,BR,RL	12-14 mils (steel)	Reactors, chemical storage tanks, scrubbers, piping,ducts, rail cars, ISO tanks, OTR tankers, & barges	* GRAS recognized. Excellent chemical resistance. Low temperature cure.
	-40°F to +400°F (-40°C to 204°C)	Ambient (5-15 days)	SP,BR,RL	12-14 mils (steel) 20-24 mils (concrete)	Secondary containment, clean rooms, structural steel, manhole covers/ vaults, floors	Ambient cure. Excellent chemical resistance.
ChemLine® 784/31	-40°F to +500°F (-40°C to 260°C)	250°F to 350°F (6 hours) (121°C - 177°C)	SP,BR,RL	12-14 mils (steel)	Tanks, pipes, & scrubbers	High temperature resistance. Best chemical resistance at high temperature.
ChemLine® 2400/32	-40°F to +400°F (-40°C to 204°C)	180°F to 300°F (6 hours) (82°C - 149°C)	SP,BR,RL	16-18 mils (steel)	Slurry tanks, scrubbers, dump trucks, bag houses, FGD units, tank containers, hopper cars, & ion exchange vessels	Outstanding abrasion resistance. Excellent chemical resistance. Low temperature cure.
	-40°F to +300°F (-40°C to 148°C)	Ambient (5-14 days)	SP,BR,RL	24-26 mils (concrete)	Slurry tanks, pipes, secondary containment, sumps, trenches, pits, & clairifiers	Ambient cure. Outstanding abrasion resistance. Excellent chemical resistance.
ChemLine® 2400/31	-40°F to +500°F (-40°C to 260°C)	250°F to 350°F (6 hours) (121°C - 177°C)	SP,BR,RL	12-14 mils (steel)	Tanks, pipes, & scrubbers	High temperature resistance. Best chemical resistance at high temperature.
ChemLine® LE	-40°F to +500°F (-40°C to 260°C)	250°F to 350°F 6 hours) (121°C - 177°C)	SP,BR,RL	12-14 mils (steel)	Stacks, ducts, heat exchangers, pressure vessels, FGD systems, bag houses, & scrubbers	High temperature resistance. Best chemical resistance at high temperature. Excellent CTE match with steel.
ChemLine® AS	-40°F to +400°F (-40°C to 204°C)	180°F to 300°F (6 hours) (82°C - 149°C)	SP,BR,RL	12-14 mils (steel)	Ducts, structural steel	Excellent conductive and static dissipative properties. Excellent chemical resistance.
	-40°F to +400°F (-40°C to 204°C)	Ambient (5-15 days)	SP,BR,RL	12-14 mils (steel) 20-24 mils (concrete)	Solvent rooms, clean rooms, munitions storage/manufacturing, paint mix kitchens	Excellent conductive and static dissipative properties. Excellent chemical resistance.
ChemLine® TDC	-40°F to +500°F (-40°C to 260°C)	200°F to 400°F (3-6 hours) (93°C - 204°C)	SP	30-60 mils (steel)	HOT steel structures, steam pipes	Temperature dissipating coating for hot steel surfaces where heat can cause injury.
ChemLine® Primer	-40°F to 200°F (-40°C to 93°C)	Ambient	SP,BR,RL	3-4 mils (concrete)	Secondary containment tanks	Superior bonding & sealing properties.
ChemLine® Caulk	-40°F to +212°F (-40°C to 100°C)	Ambient	Trowel	See data sheet	Covings, cracks, & joints	Excellent chemical resistance & flexibility. (Pre-measured quart kits).
ChemLine® Putty	-40°F to +250°F (-40°C to 121°C)	Ambient to 300°F (149°C)	Trowel	See data sheet	Pitted steel & chime areas	Excellent chemical resistance & flexibility. (Pre-measured quart kits).

Key SP= Spray Application BR= Brush Application RL= Roller Application

NOTE- The Roller and Brush application is NOT a preferred application to use on steel; only use for repair or stripe coating.

*ChemLine® is generally recognized as safe (GRAS) for food grade cargoes. ChemLine® coating complies with the FDA and all applicable food additive regulations.

"Performance Without Compromise"

Advanced Polymer Coatings is an...

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