

ChemLINE® AS

A chemical resistant conductive/static dissipative coating.

Description

ChemLine® AS is a highly chemically resistant conductive coating for applications in aggressive environments where static electricity must be managed. It is designed for environments requiring superior chemical resistance where static build-up and sparks may present operating hazards.

ChemLine® AS cures to an extremely chemically resistant, hard, conductive or static dissipative finish, with excellent abrasion and wear resistance.

ChemLine® AS can be ambient cured over time or low temperature forced air cured for immediate service.

Industry Applications

- ▶ Chemical processing
- ▶ Refining
- ▶ Electronic manufacturing
- ▶ Pharmaceutical
- ▶ Food processing
- ▶ Military/government facilities
- ▶ Conductive floor coating
- ▶ Production areas

Product Highlights

- ▶ Excellent conductive / static dissipating properties
- ▶ Outstanding chemical resistance to more than 5,000 chemicals
- ▶ Superior bond strength and adhesion
- ▶ Highly resistant to wear, abrasion and impact
- ▶ Flexible coating – withstands movement and vibrations
- ▶ Steam cleanable
- ▶ Complies with all FDA regulations
- ▶ Smooth hard finish
- ▶ More chemical resistance than epoxy floor coatings
- ▶ Dry heat resistance to 400°F (204°C)
- ▶ Ambient or low temperature forced air cure

Typical Properties

- ▶ Stock Colors _____ Black
- ▶ 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 _____ 89.6%
- ▶ Recommended Film Thickness (dry) mils average
_____ Steel: 12 mils (300 microns)
_____ Concrete: 20 mils (500 microns)
- ▶ Shelf Life _____ 12 months

For product recommendations and technical, application and heat curing information contact Advanced Polymer Coatings' customer service.

This is Only A Reference Guide

Contact your ChemLine® Representative or the ChemLine® Customer Service Hotline
+01 440-937-6218 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® 784/32 784/32 EF 784/32 PC	-40°F to +400°F (-40°C to 204°C)	200°F to 300°F (6 hours) (93°C - 149°C)	SP,BR,RL,PC	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 ** (9-14 days)	SP,BR,RL,PC	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)	200°F to 300°F (6 hours) (93°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** (9-14 days)	SP,BR,RL	24-26 mils (concrete)	Slurry tanks, pipes, secondary containment, sumps, trenches, pits, & clarifiers	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)	200°F to 300°F (6 hours) (93°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** (9-14 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** (9-14 days)	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** (9-14 days)	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 PC= Plural Component

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.

**For concrete and other non-immersion applications.

"Performance Without Compromise"

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