

ChemLINE® TDC

**A temperature dissipating coating
with corrosion resistant finish.**



A surface tolerant, temperature dissipating coating used to lower substrate temperatures and provide a very corrosion resistant finish.

Description

- ▶ ChemLine® TDC is a specially formulated ChemLine® coating that provides a temperature dissipating barrier to reduce high temperature surfaces.
- ▶ ChemLine® TDC acts as a temperature dissipating coating along with the outstanding chemical resistance of ChemLine® 784/32.
- ▶ Resistance to aggressive chemical exposures, including strong acids, alkalis, gases and solvents in up to 784 crosslinks versus four (4) for high temperature epoxies.

Application Highlights

- ▶ Minimum surface preparation
- ▶ Can be applied directly to hot clean surface to 300°F (150°C)
- ▶ Can be built up to 80 mils on a hot surface
- ▶ Can be touched up after minor structural repairs
- ▶ No primer required
- ▶ Tough, durable, chemically resistant barrier
- ▶ Under-insulation coating
- ▶ Exterior ductwork and pipeline coating

Chemical Resistance

ChemLine® provides superior chemical resistance to a wide array of aggressive chemical products including concentrated organic and inorganic acids, caustics, solvents, oxidizers, and gases.

Temperature	Thickness	ΔT
250°F to 280°F (121°C to 137°C)	80 mils	80°F (26°C)
200°F to 250°F (93°C to 121°C)	60 mils	60°F (15°C)
150°F to 200°F (65°C to 93°C)	30 mils	50°F (10°C)

(Above information is based on laboratory test. Individual test may vary based on substrate and thickness.)

Typical Properties

- ▶ Stock Colors _____ Tan
- ▶ V.O.C. Level/Gal. _____ 99 grams/L (0.80 lbs./gal.)
- ▶ Lead Content _____ Zero
- ▶ Chromate Content _____ Zero
- ▶ Pot Life _____ 120 minutes @ 75°F (24°C)
- ▶ Viscosity Reduction _____ Reduce with Toluene or Xylene
- ▶ Solids by Volume _____ 97%
- ▶ Recommended Film Thickness (dry) mils average
_____ Steel: 30-80 mils (750-2000 microns)
- ▶ Shelf Life _____ 12 months

For product recommendations and technical, application and heat curing information contact Advanced Polymer Coatings' customer service. Contact +01 440-937-6218.

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 2400/32 EA	-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"

The furnishing of the information contained herein does not constitute a representation by Advanced Polymer Coatings (APC) that any product or process is free from patent infringement claims of any third party, nor does it constitute the grant of a license under any patent of APC or any third party. APC assumes no liability for any infringement which may arise out of the use of the product. APC warrants that its products meet the specifications which it set for them. APC DISCLAIMS ALL OTHER WARRANTIES and relating to the products and DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION expressed or implied INCLUDING but not limited to warranties of MERCHANTABILITY AND FITNESS for particular purpose. Receipt of products from APC constitutes acceptance of

the terms of the Warranty; contrary provisions of purchase orders not withstanding. In the event that APC finds that products delivered are off-specification, APC will at its sole discretion, either replace the products or refund the purchase price thereof. APC's choice of one of these remedies shall be Buyer's sole remedy. APC will under no circumstances be libeled upon for consequential damages except in so far as liability is mandated by law. APC will deliver products at agreed upon times in so far as it is reasonably able to do so, but APC shall not be liable for failure to deliver on time when the failure is beyond its reasonable control.

© 2012 0828