

# 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

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

## 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, & 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)	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.

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