ChemLINE® 784 HS High Solids

A coating with superior chemical and high temperature resistance applied with plural component equipment in a one-coat application.

Description

ChemLINE® 784 HS (High Solids) is a high functionality, two component thermoset polymer coating. When cured, the ChemLINE® 784 HS high cross-link density is unlike other coatings. ChemLINE® 784 HS delivers significantly improved product performance and anti-corrosion resistance. ChemLINE® 784 HS coating is formulated with a unique polymer designed and engineered with high functionality. This bridged aromatic backbone structure, when polymerized, forms a tightly knit screen-like structure. ChemLINE® 784 HS crosslinks predominately through an ether (carbon-oxygen-carbon) linkage. This eliminates high concentrations of hydroxyl groups (found in epoxies) and precludes formation of ester groups (found in vinylesters) that are subject to hydrolysis and acid attack. ChemLINE® 784 HS can be ambient cured or low temperature forced air cured depending on substrate and service conditions.*

ChemLINE® 784 HS's Higher Cross-Link Density Means:

- Higher chemical resistance
- Higher resistance to abrasion
- Higher toughness
- Higher heat resistance

Provides Superior Chemical Resistance to:

- 1-99% Sulfuric Acid
- 37% Hydrochloric Acid
- 50% Sodium Hydroxide
- Methanol
- Methylene Chloride
- Most acids, alkalies, and solvents
- Acetic Acid

Industry Applications

- **Transportation Equipment -** Rail tank and hopper cars, over-the-road tankers, barge tankers, tank containers (ISO tanks)
- **Chemical Processing -** Tanks, vessels, hazardous waste, secondary containment, chemical plant floors, etc.
- **Paper & Pulp** - Digesters, black liquor tanks, bleaching, etc.
- **Mining** - Acid tanks, scrubbers, etc.
- **High Technology** - Clean rooms, floors, etc.
- **Power Generation** - FGD systems, ducts and stacks, etc.
- **Steel** - Pickling tanks, acid storage, acid waste neutralization,
- **Waste Water** - Tanks, clarifiers, flocculation basins, neutralization chambers, concrete containment, etc.

KRY COATING & DENİZCİLİK

Product Highlights

- Superior corrosion resistance, exceptional toughness
- Superior bonding qualities
- Applied to pitted and/or corroded steel
- Maximum versatility; product cycling
- Ambient or low temperature forced air cure
- Low VOC - 26 grams/L (0.22 lbs. per gallon)
- Virtually non-permeable, steam cleanable, and field repairable
- Resists hydroblasting
- Excellent UV resistance
- High impact resistance
- Dry heat resistance to 400° F (204° C)
- One or two coat application

Typical Properties (mixed, as supplied)

- Stock Colors _____ Grey
- V.O.C. Level/Gal. _____ 26 grams/L (0.22 lbs./gal.)
- Solids by Volume _____ 97%
- Recommended Film Thickness (dry) mils average
  _____ Steel: 12-14 mils (300-350 microns)
  _____ Concrete: 20-24 mils (500-600 microns)
- Shelf Life _____ 12 months

For product recommendations and technical, application and heat curing information contact Advanced Polymer Coatings' customer service. Contact +1 440-937-6218.

ADVANCED POLYMER COATINGS

ChemLINE®

Coating	Description	Typical Applications	System/DFT
ChemLINE® 784 *previously: ChemLINE® 784/32*	Excellent chemical resistance, high functionality, two component low temperature cure polymer coating.	Reactors, chemical storage tanks, scrubbers, piping, ducts, rail cars, ISO tanks, OTR tankers, barge tanks, secondary containment, clean rooms, structural steel, manhole covers, vaults, & floors.	**Steel:** 2 coats. 300-350 microns. (12-14 mils). **Concrete:** 2 coats. 500-600 microns. (20-24 mils).
ChemLINE® 784 ES Elevated Service *previously: ChemLINE® 784/31*	Highly chemically resistant, high functionality, two component high temperature cure polymer coating, with high cure.	Tanks, pipes, & scrubbers.	**Steel:** 2 coats. 300-350 microns. (12-14 mils).
ChemLINE® 784 HS High Solids *previously: ChemLINE® 784/32 PC*	High solids, 1 or 2 coats, chemically resistant two component low temperature cure polymer coating.	Transportation - rail cars, OTR tankers, ISO tanks, barge tanks, & tanker ships.	**Steel:** 1 or 2 coats to achieve 300-350 microns. (12-14 mils).
ChemLINE® 784 AS Anti-Static	Static dissipating, chemically resistant, high functionality, two component low temperature cure polymer coating.	Clean rooms, flooring, ducts, structural steel, hopper cars, and where a static dissipating lining is required.	**Steel:** 2 coats. 300-350 microns. (12-14 mils). **Concrete:** 2 coats. 500-600 microns. (20-24 mils).
ChemLINE® 784 WS Wine & Spirits *previously: ChemLINE® EF*	FDA (GRAS) two component low temperature cure polymer coating for wine and spirits tanks.	Wine & spirits tanks.	**Steel:** 2 coats. 300-350 microns. (12-14 mils).
ChemLINE® 2400 Abrasion Resistant *previously: ChemLINE® 2400/32*	Abrasion and chemically resistant two component low temperature cure polymer coating.	Slurry tanks, scrubbers, dump trucks, bag houses, FGD units, tank containers, hopper cars, ion exchange vessels, secondary containment, and floors.	**Steel:** 2 coats. 400-450 microns. (16-18 mils). **Concrete:** 2 coats. 600-650 microns. (24-26 mils).
ChemLINE® 2400 ES Elevated Service *previously: ChemLINE® 2400/31*	Abrasion and highly chemically resistant two component high temperature cure polymer coating.	Tanks, pipes, & scrubbers.	**Steel:** 2 coats. 400-450 microns. (16-18 mils).

ADVANCED POLYMER COATINGS

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ISO 9001:2015

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