

# Phenoline® 353 Series



**Phenoline 353 is a two-coat lining system with extraordinary overall chemical resistance and versatility. This product has a unique blend of resin chemistries that make it highly resistant to a variety of aggressive cargos. Phenoline 353 LT has additional low-temperature cure capability.**

## PRODUCT FEATURES

- › High solids, 75% by volume, low VOC (1.72#/gal or 206g/l)
- › Wide range of chemical resistance
- › High gloss provides easy cleaning
- › Applicator friendly, easy mixing
- › Highly cross-linked film
- › Well suited for hydrocarbon exposures
- › Low-temperature cure (353 LT)

## APPLICATIONS

MARINE  
TANKS AND VESSELS  
PIPELINE AND TERMINALS  
OIL AND GAS  
POWER  
RAILCAR  
PULP AND PAPER  
CHEMICAL PROCESSING

## DETAILS

Phenoline 353 is a uniquely modified epoxy novolac coating. It is specifically designed to line steel tanks and pipes. This is a thin film lining that is sprayed on in two coats at a total film thickness of 10 - 12 mils.

Novolac modification gives Phenoline 353 excellent solvent resistance and provides high temperature resistance to caustics, making it an excellent coating choice for petroleum product storage tanks.

Phenoline 353 has excellent resistance to variety of chemicals including, hot caustics, crude oil, fuel oil, diesel, biodiesel, gasoline and others. [See specific resistance chart for 353 LT resistance].

# Phenoline 353 Series

## Quality Product Backed by Quality Service

- › Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- › Industrial service centers and sales offices located around the world
- › Over 20 worldwide manufacturing locations with a global network of sales and technical support
- › Industry leading field service and technical engineering support team
- › Carboline is an ISO 9001:2015 certified company

## Reasons to use Phenoline 353

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Wide range chemical resistance	Same coating can be used in multiple tanks	Tank owner has more flexibility on what his tank can be used for
High gloss finish	Higher gloss means smooth surface	The lining is easier to clean and release product faster
High solids coating	Low VOC and HAPs level	Meets VOC and HAPs restrictions

## Immersion Resistance Chart

SERVICE	TEMPERATURE
Caustic (NaOH)	150°F / 66°C
Crude Oil	180°F / 82°C
Biodiesel	100°F / 38°C
Diesel Oil	100°F / 38°C
Fuel Oils	100°F / 38°C
Gasolines	100°F / 38°C
MTBE, ETBE, TAME	100°F / 38°C
Jet Fuels	100°F / 38°C

SERVICE	TEMPERATURE
Aromatic Solvents	100°F / 38°C
Ethylene Glycol	150°F / 66°C
Urea-formaldehyde	100°F / 38°C
Sodium Sulfide Solutions	100°F / 38°C
Tetraethyl Lead	100°F / 38°C
Toluol (Toluene)	100°F / 38°C
TSP - Tribasic sodium phosphate	100°F / 38°C
Phthalates	100°F / 38°C
Citric Acid	100°F / 38°C



### Carboline

Global Headquarters  
2150 Schuetz Road  
St. Louis, MO 63146 USA  
PH: +1-314-644-1000  
[www.carboline.com](http://www.carboline.com)