

Phenoline® Tank Shield



A solvent-free, batch mix epoxy lining that handles a variety of exposures in the petrochemical industry.

PRODUCT DETAILS Phenoline Tank Shield is a unique proprietary epoxy tank lining formulation designed to handle storage of crude oil, process liquids and various fuels including gasoline and jet fuels. Tank Shield is a standard airless spray lining. This single-coat, blush-resistant lining will cure at low temperatures, has excellent film build properties, and can be placed in service relatively quickly. It has versatile applications due to the outstanding resistance to a wide spectrum of petrochemical cargoes typically found in the oil and gas industry. Phenoline Tank Shield is packaged in convenient 1:1, 4 gallon kits for simple mixing. The A and B components are contrasting to indicate proper mixing. Couple with Phenoline Tank Shield FP for a pinhole free application on pitted tank floors.

APPLICATIONS

WATER AND WASTEWATER
CRUDE OIL
GASOLINE
JET FUELS
BLENDED FUELS
BIODIESEL
ALIPHATIC OR AROMATIC SOLVENTS
PROCESS LIQUIDS

FEATURES

- › 1:1 mix ratio
- › Solvent-free; single-coat lining
- › Thick film
- › Non-blushing
- › Can be applied down to 35°F/2°C
- › Quick return to service (24-48 hours for most services)
- › Outstanding resistance to petroleum based exposures
- › Superior edge protection
- › Excellent (DI) hot water resistance

Phenoline Tank Shield

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
- › Certified to ISO 9001

Reasons to use Phenoline Tank Shield

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
High build; solvent-free	Thick application in a single coat without risk of solvent-entrapment	Longer service life and forgiving application
1:1 mix ratio	Robust plural component ratio	Friendly for plural spray to stay on ratio
Batch mix formula	Single leg spray equipment can be used	Ease of use; fewer personnel to "man" the equipment
Faster cure formula	Faster handle time at lower temperatures	Place tank back in service faster (normally 24 hours)
Superior edge protection	Corrosion protection on areas prone to early failure	Longer service life
Short filled 4 gal kits	Mix both components in the "A" pail	Makes the most of pot life. Siphon fresh material from the "A" pail.

Performance Data

PROPERTY AND TEST METHOD	TANK SHIELD
Hardness (Shore D)	80-90 typical
Adhesion	Typical: 3600 psi
Abrasion Resistance	123 mg loss
Impact Resistance	72 inch lbs @25 mils DFT
Elongation	3.47%
Immersion	Crude oil (180°F/82°C) Fuels (kerosene, gasoline, jet) Process water/fluids DI water (180°F/82°C) 10-50% NaOH (130°F/54°C) 50% NaOH (180°F/82°C)



Carboline Company
 Global Headquarters
 2150 Schuetz Road
 St. Louis, MO 63146 USA
 PH: +1-314-644-1000
www.carboline.com