

# Phenoline® Tank Shield Plus



## Phenoline Tank Shield Plus is a solvent-free, fast cure, plural component epoxy lining.

**PRODUCT DETAILS** Phenoline Tank Shield Plus is a solvent-free epoxy tank lining designed to handle crude oil storage, process liquids, and various fuels, including gasoline and jet fuels. Tank Shield Plus uses plural-component spray to provide its fast cure speed and fast to service feature. This single-coat, blush-resistant lining will cure at low temperatures and has excellent film build properties. Phenoline Tank Shield Plus has a friendly 1:1 mix ratio of contrasting A and B components for worry-free plural component spray.

### 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 Plus

## Quality Product Backed by Quality Service

- › Carboline 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 Tank Shield Plus

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
High build; solvent-free	Ability to fill pits, apply in a single coat without risk of solvent-entrapment	Longer service life and ease of application
1:1 mix ratio	Ease of mixing	Eliminates off-ratio mixing errors typical with higher ratios
Batch mix formula (Tank Shield)	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

## Performance Data

PROPERTY AND TEST METHOD	TANK SHIELD PLUS
Hardness (Shore D)	75 typical
Adhesion	Typical: 1700 psi
Abrasion Resistance	80 mg loss
Impact Resistance	36 inch pounds @25 mils DFT
Elongation	1.35%
Immersion	Crude oil (180°F/82°C) Fuels (kerosene, gasoline, jet) Process water/fluids DI water (180°F/82°C) 10-20% HCl (75°F/24°C) 10-50% H <sub>2</sub> SO <sub>4</sub> (75°F/24°C)



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