

# Thermaline® 450 EP



**An outstanding epoxy-phenolic coating that protects steel from corrosion under insulation (CUI) at elevated temperatures.**

## PRODUCT DETAILS

Thermaline 450 EP protects steel substrates underneath thermal insulation where wet/dry, thermal cycling conditions often exist. This high solids, low VOC product has excellent resistance to harsh chemicals with outstanding thermal shock and abrasion resistant properties. It satisfies the NACE Standard Practice SP0198 for the protection of both carbon and stainless steels operating at elevated temperatures under insulation.

## APPLICATIONS

- PIPING
- PROCESS VESSELS
- VALVES
- STORAGE TANKS
- HEAT EXCHANGERS
- DUCTWORK
- STACKS
- INSULATED EQUIPMENT

## FEATURES

- › Continuous temperature resistance to 400°F/204°C
- › Excellent resistance to thermal shock
- › Superior abrasion and chemical resistance
- › High solids; low VOC formulation
- › Complies with NACE SP0198 for the protection of carbon or stainless steel substrate under insulation
- › Epoxy-phenolic to handle wet/dry temperature cycling typically seen on insulated steel surfaces

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## 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 Thermaline 450 EP

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Epoxy-phenolic formulation	Excellent thermal shock resistance and chemical resistance	Long service life for steel substrates under wet insulation at elevated temperatures
High solids; low VOC	High coverage rates per gallon	Fewer volatile emissions; fewer gallons per project; compliant to VOC regulations
Modified amine curative	Long recoat window	Less surface preparation costs between coats



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