

Thermaline® 4001



An aluminum and micaceous iron oxide reinforced inorganic polymer used to protect steel from corrosion under insulation (CUI) over a wide range of cryogenic and elevated temperatures.

PRODUCT DETAILS Thermaline 4001 protects steel substrates beneath thermal insulation where wet/dry, thermal cycling conditions often exist. This inert multi-polymeric matrix coating is inorganic and reinforced with aluminum and micaceous iron oxide flake. This combination makes it well suited for cryogenic or high temperature applications where thermal shock and wet/dry cycling resistance is critical. 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 1200°F/649°C
- › Excellent resistance to cryogenic and high temperature thermal shock
- › Multi-filler reinforced film for superior corrosion protection for longer service life
- › Single-package; self-priming; easy to use formulation
- › Suitable for insulated or uninsulated steel applications
- › Complies with NACE SP0198 for the protection of carbon or stainless steel substrate under insulation

Thermaline[®] 4001

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 4001

| PERFORMANCE FEATURE | ADVANTAGE | BENEFIT |
|---|--|--|
| Inorganic copolymer formulation | Coating film maintains its integrity at temperatures above 400°F | Long service life for steel substrates under wet insulation at elevated temperatures |
| Aluminum and micaceous ironoxide reinforced; barrier film | Excellent thermal shock resistance and barrier properties | Longer service life at elevated temperatures with wet/dry cycling |
| Single package; self-priming formulation | Single-product system with indefinite pot life | Easy to use with minimal waste |



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