

TRIDENT-WRAP®

RISER REPAIR REINFORCEMENT REPAIR KIT



Description

Trident-Wrap® Riser Reinforcement Kit repairs non-leaking natural gas risers exhibiting wall loss up to 80% @ <300 psi (20.7 bar) while eliminating atmospheric corrosion in accordance with DIMP. With 8 layers, this system enables one to repair corroded piping without shutdown or riser replacement. This operator qualified engineered system was designed to conform to and recognized by ASME PCC-2, ASME B31, ISO TS24817, DOT, API, and CSA Z662 standards for nonmetallic reinforcing solutions, thus ensuring product application integrity.

Mechanical Properties

Test	Method	Result
Tensile Strength	ASTM D3039	Hoop: 54,000 psi (3,724.0 bar) Axial: 34,000 psi (2,344.8 bar)
In-Plane Shear Strength	ASTM D5379	7,520 psi (518.6 bar)

Item #	Description
TWR001	Riser repair kit 1" OD x 1' (25.4mm x 30.5cm)
TWR002	Riser repair kit 2" OD x 1' (50.8mm x 30.5cm)



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Typical Applications

- Corrosion repair on natural gas piping
- Atmospheric corrosion
- Riser reinforcement
- New or old riser assemblies
- Underground piping
- Corrosion protection
- Coating repair
- Air to soil interface

Benefits

- No shutdown or relights
- Simple application
- No pipe replacement
- Conforms to irregular shapes
- No contractor required
- Integrity management

Kit Contents

- Step-by-Step Instructions
- Sanding Cloth
- Solvent Cleaning Wipe
- Protective Gloves
- Epoxy Spreader
- Trident-Reinforcing Epoxy
- Trident-Glass™ Outer Wrap
- Compression Film

Physical Properties

VOCs: None

Service Temperature:

-50° to 250°F (-46° to 121°C)

Application Temperature:

40° to 150°F (5° to 66°C)

Shelf Life: 12 Months with recommended storage methods

