

# TRIDENT-WRAP®

## RISER REINFORCEMENT KIT

**Properties** 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)

Product Information	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)
	TWR004	Riser repair kit 4" OD x 1' (101.6mm x 30.5cm)
	TWR006	Riser repair kit 6" OD x 1' (152.4mm x 30.5cm)
	TWR008	Riser repair kit 8" OD x 1' (203.2mm x 30.5cm)

**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	Property	Typical Test Value
	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

**Warranty** ©Neptune Research Inc. (NRI) NRI® and Trident-Wrap® are registered trademarks, while Trident-Glass™ is a trademark of NRI. NRI utilizes a process of continuous product improvement for all of our products. While we do strictly adhere to our products' specifications, we routinely implement product improvements. Therefore, please contact your local NRI distributor or office for the most current product specifications. NRI warrants the quality of this product when used according to directions. Trident-Wrap is NOT an approved coating system. Failing to coat per standard procedures can lead to atmospheric corrosion damage. Apply protective coatings per company standards. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement.

