

TRIDENT-SEAL® REPAIR KITS: LIVE NATURAL GAS

For Live Natural Gas Repairs on Pipes up to 60 PSI (4 BAR)



Description

Trident-Seal® Live Natural Gas Repair Kit permanently seals active leaks up to 60 PSI (4 bar) and is excellent on steel, copper, PVC, ABS, and more. This product was specifically designed and tested for the natural gas industry.

Pipe Diameter	Roll Size	Kit #
1/2"-1"	2" x 7.2' (5.08cm x 2.195m)	TS2580
1 1/4"-2"	3" x 14' (7.62cm x 4.27m)	TS3104
2 1/2"-4"	4" x 25' (10.16cm x 7.62m)	TS4173
4 1/2"-6"	4" x 40' (10.16cm x 12.19m)	TS4335

Testing Data & Results

Identification	Test Results	Test Temp. °F/°C	Test Pressure PSI/BAR	Test Time (Hrs.)
Pinhole 1	Pass	73 (Air) / 23	90 / 6.2	>1028
Pinhole 2	Pass	73 (Air) / 23	90 / 6.2	>1028
Joint 3	Pass	73 (Air) / 23	90 / 6.2	>1028
Joint 4	Pass	73 (Air) / 23	90 / 6.2	>1028
Pinhole 1	Burst	73 (Air) / 23	2125 / 146.5	45 sec.
Pinhole 2	Burst	73 (Air) / 23	4694 / 323.7	159 sec.
Joint 3	Burst	73 (Air) / 23	3730 / 257.2	56 sec.
Joint 4	Burst	73 (Air) / 23	3670 / 253.1	118 sec.

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Typical Applications

Under-pressure repair and protection for:

- Live gas leaks
- Joint leaks
- Manifold leaks
- Pinhole leaks
- Online repairs

Benefits

- Quick action
- Instant repair
- No downtime
- Fast and easy
- No relights
- Tested for long-term repair
- Used above or below ground

Kit Contents

- Step-by-Step Instructions
- Sanding Cloth
- Solvent Cleaning Wipe
- Protective Gloves
- Trident-Seal Putty
- Trident-Seal Pressure Sealing Tape
- Trident-Glass Outer Wrap
- Compression Film

Physical Properties

Service Temperature: -50 to 250°F
(-45 to 121°C)

Application Temperature: 32°F to 150°F
(-18 to 65°C)

Mechanical Properties

Tensile Strength (glass): 41,000 PSI
(283 MPa)

Lap Shear (putty): 900 PSI
(6.2 MPa)

NRI
Innovative Composite Solutions

TRIDENT-WRAP™

REPAIR KITS: RISER REPAIR AND REINFORCEMENT

Repair of non-leaking piping exhibiting pipe wall loss up to 80% at <300 PSI (20.7 BAR)



Description

Trident-Wrap® Riser Repair and Reinforcement Kit is a composite repair system that enables one to repair corroded piping without shutdown or pipe replacement. This kit rebuilds damaged pipe wall and brings it back to original working pressure, while preventing future corrosion on steel, copper, PVC, ABS, and more.

Pipe O.D.	Coverage Length	Roll Size	Kit #
1" pipe	12" (30.48cm)	3" x 14' (7.62cm x 4.267m)	TWR001
2" pipe	12" (30.48cm)	4" x 25' (10.16cm x 7.62m)	TWR002



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Typical Applications

- Riser reinforcement
- Corrosion protection
- Restrengthening corroded pipe
- Rebuilding wall loss
- Aboveground piping assemblies
- Underground piping

Benefits

- Quick action
- Instant repair
- No downtime
- Fast and easy
- No relights
- No pipe replacement
- Easily conforms to irregular shapes

Kit Contents

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

Physical Properties

Service Temperature: -50 to 250°F (-46 to 121°C)

Application Temperature: 40 to 150°F (5 to 66°C)

Mechanical Properties

Tensile Strength (glass): 42,000 PSI (296 MPa)

Lap Shear (epoxy): 1,300 PSI (9.0 MPa)

