

TRIDENT-SEAL®

LIVE NATURAL GAS LEAK REPAIR KITS



Description

Trident-Seal®, live natural gas repair system permanently seals active leaks, up to 60 psi (4 bar) without interruption to service. repair system permanently seals active leaks up to 60 psi (4 bar) without interruption to service. This kit is pre-packaged to contain enough material to repair a pinhole or threaded fitting on diameters up to 6 inches; larger repairs can be made by utilizing more than one kit. Third party testing for long term pressure retention has been conducted at 90 psi (4 bar). The Trident family of products was specifically designed for the natural gas industry and requires Operator Qualified training.

Surface Preparation Requirements

SSPC - SP - 2 , St 2 Hand Tool Cleaning Removal of all rust scale, mill scale, loose rust and loose paint to the degree specified by hand wire brushing, hand sanding, hand scraping, hand chipping or other hand impact tools or by a combination of these methods. The substrate should have a faint metallic sheen and also be free of oil, grease, dust, soil, salts and other contaminants. In addition all pipe dope and Teflon tape should be removed from pipe threads before making Trident-Seal repairs to threaded joints.

Mechanical Properties

Test	Method	Result
Tensile Strength (glass)	ASTM D3039	41,000 psi (2826.85 bar)
Lap Shear (putty)	ASTM D3163	900 psi (62.05 bar)
Pressure rating once cured	Field Test	90 psi (6.2 bar)

Item #	Pipe Diameter	Roll Size
TS2580	1/2" - 1" (12.7mm - 25.4mm)	2" x 7.2' (5.08cm x 2.195m)
TS3104	1 1/4" - 2" (31.75mm - 50.8mm)	3" x 14' (7.62cm x 4.27m)
TS4173	2 1/2" - 4" (63.5mm - 101.6mm)	4" x 25' (10.16cm x 7.62m)
TS4335	4 1/2" - 6" (114.3mm - 152.4mm)	4" x 40' (10.16cm x 12.19m)

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Typical Applications

- Live natural gas leaks on:
 - Threaded fittings
 - Manifold
 - Meter set
 - Pinhole
 - Mainline
- Used above or below ground

Benefits

- Instant repair
- No downtime
- Simple application
- No relights
- Permanent repair

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

VOCs: None

Service Temperature:

-50 to 250°F (-45 to 121°C)

Application Temperature:

32 to 150°F (10 to 65°C)

Shelf Life: 24 Months with recommended storage methods