

# TRIDENT-SEAL®

## LIVE NATURAL GAS LEAK REPAIR KIT

**Description** Trident-Seal® live natural gas repair system permanently seals active leaks up to 60 psi (4 bar) without interruption to service. Each kit is pre-packaged to contain enough material to repair a threaded fitting or a pinhole measuring up to 1/8" in diameter on pipes up to 6" in diameter; 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 (6 bar). The Trident family of products was specifically designed for the natural gas industry and requires Operator Qualified training.

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)

Product Information	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)

**Typical Applications**

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

**Benefits**

- Instant, permanent repair
- No shutdown or relights
- Simple application

**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	Property	Typical Test Value
	VOCs:	None
	Service Temperature:	-50° to 250°F (-45° to 121°C)
	Application Temperature:	50° to 150°F (10° to 65°C)
	Application Temperature:	32° to 160°F (0° to 71°C)
	Shelf Life:	24 Months with recommended storage methods

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