- Activates within seconds and hardens within minutes
- Bonds to all pipes including PVC, steel, copper, lead, cast iron, aluminum and fiberglass.
- Seals cracks, holes and leaks in lines, joints and elbows
- Works on hot and cold water pipes
- Drinking water safe
- Works for underwater applications
- Suitable for refrigerant lines
- Chemical resistant
- Not effected by exposure to UV light

Specialty Products

Quick Seal

Description

Quick Seal Pipe Repair is a knitted fiberglass tape that is impregnated with polyurethane resin. It has been developed for quick, in-the-field repair of leaks. It can be used on both cold or hot water as well as refrigerant applications, and it bonds to all types of pipes. It is a fast, durable and cost effective pipe repair system.

Unaffected by harsh chemicals and applicable even under water, Quick Seal is ideal for refrigeration, plumbing, industrial, commercial, mining, marine, municipal and residential applications. It is also classified as safe for potable water by Underwriters Laboratories (UL) in accordance with ANSI/NSF Standard 61.

Specifications

Application Time: 3-5 minutes

Pressure Test by ASTM D 1599:

1/2″ Steel pipe with 1/8″ hole/ with putty plug	4000 psi
1/2″ Steel pipe with 1/2″ hole/ with putty plug	600 psi

Withstands pressure up to 450 psi without putty plug (Use of putty plug required for use on all refrigerant piping repairs)

Thermal Stability:	Up to 572°F (323.5OC)
Compression strength by ASTM D 695 (psi):	13,754.48 +/- 539.15

Packaging

4299-10: 2″x3′ wrap - Recommended for repairs on 1/2″-1″ diameter pipe.

4299-11: 4″x12′ wrap - Recommended for repairs on 1″-3″ diameter pipe.

Chemical Resistance to (test period 40 days):

- Hydrochloric Acid
- MEK
- Ethylene Glycol
- Crude Oil
- Ammonia
- Diesel Ethyl
- Acetone
- Toluene
- Sulfuric Acid
- Alcohol
- Gasoline
- Xylenes

CFC, HCFC & HFC Refrigerants when used with putty plug to 0°

Cautions

Heat is generated as the product hardens. Uncured polyurethane resin may cause skin irritation. Avoid eye and skin contact. Enclosed gloves are intended for use with repair tape only. Use only as directed.

Cure Time:

Quick Seal will cure in 30 minutes at temperatures between 50°-80°F. It may be cooled for at least 15 minutes before foil package is opened to add working and cure time. Heat may be applied to decrease cure time.

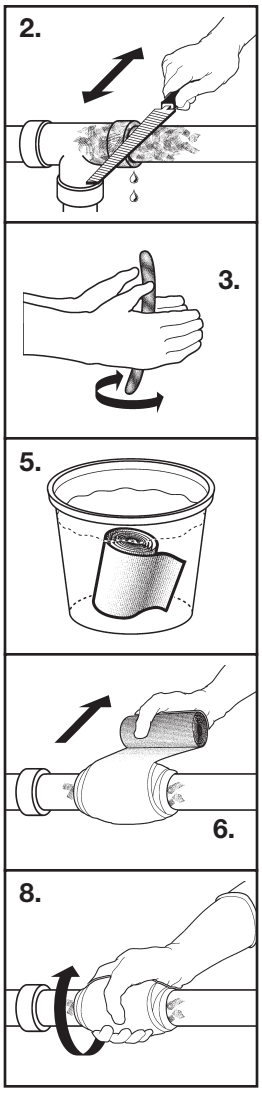
Shelf Life:

Two years if stored at 40°-83°F, and aluminum packet is not punctured. Storage at higher than recommended temperatures can reduce shelf life. Do not use if product is hardened. Rotate stock for best results.

DIRECTIONS FOR USE:

Read all directions before applying. Hardening process begins once foil pouch is opened. Use entire roll for each repair. Larger diameter pipe may require additional rolls.

1. Turn off pressure to leaking pipe. If pipe is rusty, clean.
2. Roughen pipe surface using a file for metal pipes and/or sandpaper for PVC pipe (Quick Seal adheres best to rough surfaces).
3. Plug the leak with putty. For repairs on refrigerant lines it is important to use the enclosed putty. Activate the putty by kneading it for two minutes then plug the leak. Take care to smooth the putty to be as flush as possible with the pipe. For leaks around joints work the putty into a snake and wrap around the pipe. Again, work the putty into a flush smooth finish. When repairing water lines the use of the putty is not necessary in most cases.
4. Put on Quick Seal's exclusive gloves that are provided for remaining steps before opening foil pouch.
5. Open foil pouch. Dip roll in cool water for 20 seconds, and squeeze 2-3 times to distribute water evenly through roll of tape.
6. Begin wrapping by tightly pulling the tape away from you and around pipe. It is important that the first few rotations be wrapped tightly. Work quickly, winding the wrap over itself with no more than 1/2 inch applied to either side of initial tape width. The completed application must be at least 1/2 inch thick or about 15 layers minimum.
7. Keeping gloves wet with water, rub foaming resin back into weave of Quick Seal fabric.
8. As resin becomes firm, continue rubbing with a twisting and squeezing motion to smooth the tape. Always keep gloves wet. Once resin is completely hard, continue squeezing smoothly for 1-2 minutes for best results. A slight exothermic (heat) occurs.
9. Allow a minumum 30 minutes to cure. Turn pressure back on to pipe. If misapplied, Quick Seal can be removed with saw or shears. Use isopropyl alcohol or acetone to remove resin from skin or clothes.



Selection Guide

Number 2˝x3´ Rolls				Number 4˝x12´ Rolls			
Normal Pipe Size	50 PSI	150 PSI	450 PSI	Normal Pipe Size	50 PSI	150 PSI	450 PSI
1/2˝	1	1	1	1˝	1	1	1
3/4˝	1	1	1	1-1/2˝	1	1	1
1˝	1	1	2*	2˝	1	1	1
1-1/4˝	1	2*	3*	2-1/2˝	1	1	2*
1-1/2˝	2*	2*	3*	3˝	1	2*	2*
				4˝	1	2*	3*

*2˝x3´ Quick Seal should be used in multiple roll applications

*4˝x12´ Quick Seal should be used in multiple roll applications

Read and understand the product's label and Safety Data Sheet ("SDS") for precautionary and first aid information. The SDS is available on the Nu-Calgon website at www.nucalgon.com or is returnable by U.S. Mail upon request.

Nu-Calgon
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