

LEAK
REPAIR



UNIVERSAL REPAIR KIT FOR
DEPRESSURIZED PIPE REPAIRS

- ✓ PERMANENT, LONG-LASTING
- ✓ IDEAL FOR PIPES AND JOINTS
- ✓ QUICK & EASY LEAK REPAIR
- ✓ NO TOOLS REQUIRED



DEPRESSURIZED WRAP KIT

Ideal For: Plumbing Repairs, Hospitals , Commercial and Industrial Facilities,
Irrigation/Sprinkler Repairs, Household, Pools and Much More!



SETS ROCK HARD
IN 30 MIN!



NO TOOLS
NEEDED!



WORKS
UNDER WATER

WATER-ACTIVATED - HEAT RESISTANT - SETS ROCK HARD
REPAIRS ALMOST ANY LEAK...FAST!

2" x 60" KIT
(Up to 1.5" Pipes)

4003-1.CEI

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Manufacturer will replace at no charge to the purchaser any product proved to be defective. Responsibility of the manufacturer shall not be liable for consequential or incidental damage or loss of any kind as manufacturer has no control of the conditions under which this product may be used in methods of application. Users should test the product for their particular need and suitability.

Storage: For ideal shelf life, store Perma-Wrap™ in a cool, shaded area at 72°F (23°C). Do not expose to temperatures above 110°F (44°C) or below 40°F (5°C). Care must be taken when handling Perma-Wrap™ hermetically sealed foil pouch to prevent puncturing or scuffing. If the protective foil pouch is punctured, the Perma-Wrap™ will be exposed to atmospheric moisture which will cause it to cure within the foil pouch. Keep out of reach of children.

The National Sanitation Foundation certifies products that may be used in pipes containing drinking water.

Save Time, Save Money...
Perma-Wrap™ repairs almost
any leak in minutes!

Properties:
VOCs: None
Service Temperature:
-50 to 250°F (-46 to 121°C)
Perma-Wrap: -50 to 158°F (-46 to 70°C)
- Butyl Tape: -50 to 158°F (-46 to 70°C)

Application Temp: 32 to 150°F (0 to 65°C)
Pressure Once Cured: max 300 psi (20.6 bar)
Set Time: 28 Minutes at 70°F (21°C)

Kit Contents:

One Pair
Protective Gloves

One Stick
Snytho-Steel™

One Roll
Perma-Wrap

One Roll
PHP Pre-Patch

One Strip

- ✓ FAST, SIMPLE, EASY
- ✓ READY TO USE
- ✓ HEAT RESISTANT
- ✓ EFFECTIVE, TIME-SAVING
- ✓ SETS ROCK HARD IN MINUTES
- ✓ SEALS CRACKS, HOLES & LEAKS
- ✓ WORKS ON HOT & COLD WATER PIPES
- ✓ WORKS ON WET OR DRY PIPES
- ✓ WORKS ON AIR LEAKS AS WELL
- ✓ BONDS TO ALMOST EVERY PIPE TYPE

IMPORTANT: Do not handle product without protective gloves. Read all instructions before applying product. Complete application instructions located inside package.

PERMA-WRAP™
INDUSTRIAL FIBERGLASS WRAP

PERMANENTLY REPAIR LEAKS!
Quickly and Effectively in a matter of minutes!

Spring a Leak? Need a Fix Fast?

3 EASY STEPS

STEP 1 - Soak Perma-Wrap in Water

STEP 2 - Wrap Pipe

STEP 3 - Done!

PERMA-WRAP™

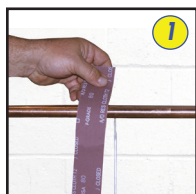
INDUSTRIAL FIBERGLASS WRAP



APPLICATION DIRECTIONS **DEPRESSURIZED** PIPE REPAIRS

READ DIRECTIONS COMPLETELY BEFORE OPENING SEALED FOIL PACKAGE

What is a Depressurized Pipe Repair? No pressure or fluid is running through pipe at time of repair. Pressure can be returned after repair is completed and Perma-Wrap™ has cured.



PREPARATION:

Remove all pressure from the damaged section of pipe before attempting to repair. Removing pressure will ensure the strongest possible bond. (If pressure cannot be removed, see Pressurized Pipe Repair Kits below.) Roughen pipe surface using a wire brush or sand paper to remove excess rust, dirt or loose scale. Remove any oils, greases, soaps or foreign materials from pipe surface.



PUT ON LATEX GLOVES

Warning: Gloves must be worn at all times

COMPLETE STEP 3 OR 4, DEPENDING ON YOUR APPLICATION. THEN PROCEED TO STEP 5



PINHOLE/CRACK:

Remove adhesive backing from enclosed PHP Pre-Patch and apply directly over defect. Press firmly onto pipe. Apply pressure to PHP pressing it into and around the damaged area.



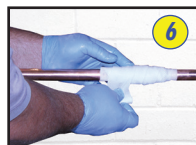
JOINT/POTABLE WATER SYSTEM:

Knead Syntho-Steel™ until uniform in color. Mold mixed putty into a 1/8" - 1/4" (3mm - 6mm) rope & place around entire circumference of the joint, pressing firmly into place. Note: the rope should not exceed the shoulder of female fitting.

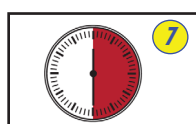


SOAK PERMA-WRAP™ AND WRAP PIPE: Open foil pouch containing Perma-Wrap™. Immediately pour water into the foil pouch. To ensure water reaches all areas of tape, squeeze wrap while submerged in water. Submerge wrap for 15 seconds.

WEARING LATEX GLOVES, remove wrap from pouch and tightly wrap, keeping tension at all times. Continue wrapping until you reach 8-10 layers of Perma-Wrap™ extending 2 inches on both sides of the leak with 50% overlap. Occasionally twisting the wrap as it is applied helps it conform tightly to the pipe surface at elbows or odd geometries.



Once wrap is applied, squeeze and mold in the direction of the wrap to remove excess water, spreading resin until tacky to touch and ensuring the layers of wrap will tighten.



Allow 30 minutes for cure time at room temperature (75°F) before resuming pressure to the line. Cooler temps or high moisture conditions will extend cure time.

CAUTION: The resin used in Perma-Wrap™ will adhere to skin and clothing and may cause skin irritation.

Protective gloves should be worn at all times. Care should be exercised to avoid contact with unprotected areas of skin and eyes. Swabbing lightly with alcohol or acetone will help remove resin from skin (PRIOR TO SET). If eyes are exposed to resin, flush eyes with water for 15 minutes and then contact physician. STORE IN A COOL, SHADED AND DRY AREA. **Not for use on Polyethylene.**

Keep out of the reach of children.

VOCs: None

Service Temperature:

- Perma-Wrap™: -50 to 250°F (-46 to 121°C)
- Butyl Tape: -50 to 158°F (-46 to 70°C)

PROPERTIES:

Application Temp: 32 to 150°F (0 to 65°C)
Pressure Once Cured: max 300 psi (20.6 bar)
Set Time: 28 Minutes at 70°F (21°C)

TRY OUR OTHER PRODUCTS:

PRESSURIZED PIPE REPAIR KITS

Have a repair that you can't remove pressure? Don't worry, we've got you covered!

Our pressurized repair kits come with the products to seal leaks and hold strong. Our kits include:



Protective Gloves
For your protection, gloves are included



Syntho-Steel™ Putty
Helps to seal leak, and conforms to Joints/Elbows



PHP Patch
Ideal for cracks and pinhole leaks



Pressure Sealing Tape
Helps to conform and seal leak



Perma-Wrap™
Permanent leak repair wrap

Item # 4003-2.CEI
2" x 60" (Up to 1.5" Pipes)

Item # 4004-2.CEI
3" x 108" (1.5"-4" Pipes)

Item # 4005-2.CEI
4" x 180" (4"-6" Pipes)

PERMA-WRAP™
INDUSTRIAL FIBERGLASS WRAP

WATER-ACTIVATED - HEAT RESISTANT - SETS ROCK HARD
Visit permawrap.com to view our How-to application video



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