



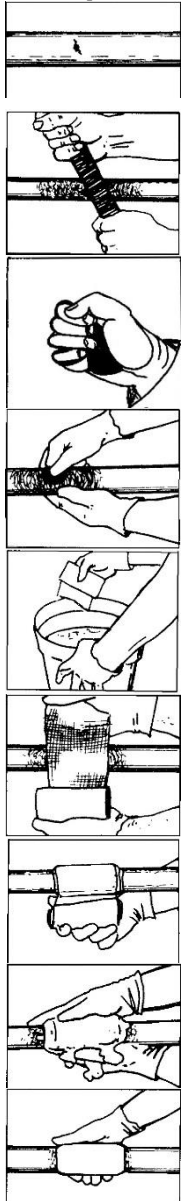
STEP BY STEP DIRECTIONS
Please read carefully
STOP IT® PIPE REPAIR SYSTEM
 with FIX STIX™

Tech Support On Call 24 Hours: 713/977-4100 or 800/523-7867

Website: www.InduMar.com

This system combines a STOP IT® fiberglass roll pre-coated with water-activated polyurethane resins and FIX STIX™ epoxy.

IMPORTANT: • Do not open foil pouch until leak site is completely prepared. •
 Gloves (provided) and eye protection should be worn when applying this system.



ITEMS REQUIRED: CONTAINER OF WATER, COARSE FILE OR SANDPAPER.

ROUTINE REPAIR PROCEDURES

Remove All Pressure

(If not able to remove pressure see “Emergency Repair”):

1. Roughen area to be repaired. For complete surface preparation instructions, see “Helpful Hints”.
2. Remove FIX STIX™ from plastic bag. Peel off protective wrap.
3. Put on latex gloves.
4. Knead FIX STIX™ until it is a uniform dark gray color.
5. Apply FIX STIX™ to damaged area. Fill in holes, cracks or offsets.
6. Fill a container with water.
7. Tear open foil pouch at notches. Remove STOP IT® fiberglass roll.
8. Immediately immerse roll in water for 5 seconds. Squeeze firmly 3 times. Work swiftly. WORKING TIME is 3 to 5 minutes.
9. Wrap STOP IT® roll around the repair as tightly and evenly as possible. Apply entire roll.
10. Discard plastic tube from end of roll.
11. Wet gloves in water and immediately compress the wet expanding resins back into the fiberglass wrap by rapidly and firmly stroking the surface with a back and forth motion. KEEP HANDS MOVING QUICKLY. WET GLOVES FREQUENTLY TO AVOID STICKING.
12. Continue polishing action until ALL bubbling has stopped (3 to 5 minutes). Your repair should now have a smooth, hard cap and an ivory-like appearance.
13. Wait 30 minutes for Stop It® to cure before pressuring up the line.

EMERGENCY REPAIR AND SPILL CONTROL PROCEDURES:

Repairs under pressure require extreme caution. When full-line pressure cannot be reduced, HAZMAT response teams and trained leak sealing professionals can use STOP IT® to reduce product loss and restore line flow. Take precautions against exposure to hazardous materials or force of pressurized steam, fluids or gases.

1. Reduce pressure as much as possible.
2. Thin pipe wall, or presence of flammable fluids or gases may make surface preparation impossible. For complete surface preparation instructions, refer to “Helpful Hints”.
3. Remove FIX STIX™ from plastic bag. Peel off protective wrap.
4. Put on latex gloves.
5. Knead FIX STIX™ until it is a uniform dark gray color. Roll into a ball and set aside.
6. Fill a container with water.

7. Tear open foil pouch at the notches. Remove roll. Unroll about 1 foot.
8. Firmly press the FIX STIX™ epoxy ball directly into the STOP IT® roll 4-5 inches from the end. Flatten and push it into the fiberglass from both sides.
9. Immediately immerse roll (with FIX STIX™ on the end) in water for 5 seconds and squeeze firmly 3 times. Work swiftly. WORKING TIME is 3 to 5 minutes.
10. Position the roll over the leak so the FIX STIX™ will be pulled into and fully cover the leak site when you begin wrapping.
11. Wrap quickly around the pipe, pulling the roll as tightly and evenly as possible to cinch it down and compress the FIX STIX™ into the active leak to stop or control it. Do not allow the FIX STIX™ to rotate off the leak area as you wrap. Apply entire roll.
12. Discard plastic tube from end of roll.
13. Wet gloves in water and immediately compress the wet expanding resins back into the fiberglass wrap by rapidly and firmly stroking the surface with a back and forth motion. KEEP HANDS MOVING QUICKLY. WET GLOVES FREQUENTLY TO AVOID STICKING.
14. Continue polishing action until ALL bubbling has stopped (3 to 5 minutes). Your repair should now have a smooth, hard cap and an ivory-like appearance.
15. Wait 30 minutes for Stop It® to cure before returning line to full pressure.

HELPFUL HINTS:

SURFACE PREPARATION: STOP IT® products work best on a rough surface. If pipe surface is rust pitted, remove loose scale. If surface is smooth, as with copper or stainless roughen the area with a coarse file, rasp or saw blade. For PVC or ABS pipe, external mold release must be removed with coarse grit sandpaper. On polyethylene, polypropylene and PVDF piping use a saw blade to create a crosshatch pattern.

SPECIAL CONSIDERATIONS FOR REPAIRING A LEAK UNDER PRESSURE. When line pressure cannot be relieved, use a STOP IT® PIPE REPAIR CLAMP™, a PTFE faced adjustable clamp, available from InduMar. Place PTFE clamp face over leak site and tighten until all flow has stopped. For extended protection, trim off any excess clamp band and protruding thumbscrew and wrap STOP IT® repair tape around entire clamp.

MULTIPLE ROLLS: Multiple rolls may be applied as needed. Apply additional rolls of STOP IT® over the end of the previous roll while the foam from the previous roll is still expanding.

LEAK AT OFFSET OR FITTING: • REMOVE ALL PRESSURE. •

Roll FIX STIX™ between hands, molding into a “worm.” Extend around pipe circumference at the leak site and form into a smooth transition.

REINFORCE PLASTIC PIPE COUPLINGS: Apply STOP IT® repair tape over coupling to a minimum of two linear inches (5 cm) on either side of coupling, spiral and build to a minimum thickness of 1/4 inch (7 mm).

CORROSION PROOFING: Prepare surface. Apply STOP IT® in a spiral building to 8 layers.
SERVICE TEMPERATURE RANGE: From -20°F/-29°C to 250°F/121°C – Continuous. From 250°F/121°C to 500°F/260°C - intermittent.

STORE IN COOL DRY PLACE OR INSULATE FROM HOT MOIST ATMOSPHERE. SHOULD OVER-HEATING OCCUR, REDUCE TEMPERATURE BY PLACING UNOPENED FOIL POUCH IN COOL WATER FOR A FEW MINUTES BEFORE USING.

NOT FOR INTERNAL CONSUMPTION. KEEP AWAY FROM CHILDREN.

PRECAUTIONS: FIX STIX™ epoxy resins and ammonia may irritate sensitive skin. Wash hands with soap and water following use. In case of eye contact, flush with water and contact a physician. May be harmful if swallowed. Keep out of reach of children. Refer to Material Safety Data Sheet for further information.

STOP IT® repair tape may cause eye irritation. Avoid eye contact. Flush eyes with plenty of water and call physician. Handle uncured product with provided protective latex gloves. Prolonged skin contact with uncured material may irritate sensitive skin. Should skin contact occur, wash with soap and water. Avoid prolonged breathing of vapors from uncured material. Refer to Material Safety Data Sheet for further information.

WARRANTIES: The following is made in lieu of all warranties, expressed or implied - Seller's and Manufacturer's only obligation shall be to replace such quantity of the product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss, nor damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for its intended use and user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be altered except by a written agreement signed by an officer of the Seller and the Manufacturer.

“Problem Solving Products for Industry™”

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