



# Pow-R Wrap INDUSTRIAL with Pow-R Belt

**FOR A SUCCESSFUL REPAIR, THESE INSTRUCTIONS MUST BE FOLLOWED CLOSELY.** Contact Fernco customer service at 810-653-9626 for questions or alternate repair applications.

## PREPARATION

1. Relieve pressure in pipe.
2. Repair area must be clean. Scrape, sand and or grind to expose sound clean pipe. (Figure A)
3. Put on protective gloves.

## INSTALLATION

4. Thoroughly knead putty to a consistent gray color.
5. Twist/Cut/Break off enough putty to fill the repair area and overlap onto the piping. Discard remaining putty. (Figure B)
  - Maximum recommended repair area is a 4" fracture.
  - When using multiple kits for larger pipe diameters one (1) stick of putty is required.
6. Add water to foil pouch and massage for three (3) minutes. (Figure C)
7. Begin wrap on opposite side of break. Wrap fiberglass tightly maintaining constant tension until wrap covers break and 2 inches beyond each side of putty. (Figure D)
  - Repairs Greater than 18 Inch in diameter - Apply additional wraps over existing wrap completing 8 to 10 layers over the break following steps 6 and 7.
8. Start the Pow-R Belt on pipe next to fiberglass. Tightly wrap Pow-R Belt in same direction. Overlap 1/2", continue to opposite side and secure. Do not twist, keep flat and tight. (Figure E & F)
  - Repairs greater than 18 Inch in diameter- Connect belts with clips. Apply no more than one (1) layer of Pow-R Belt with 1/2" overlap per revolution for proper curing. Discard extra belts.

## CURE

9. If desired, Pow-R Belt may be removed after 30 to 60 minutes at 70°F.

### CAUTION:

- If Pow-R Belt is removed prematurely, fiberglass may unravel
- If Pow-R Belt is left on too long, it may become permanent

10. Allow 60 to 90 minutes for cure at 55° to 75°F before testing. Lower temperatures and lower humidity will slow the curing process. Higher temperatures and higher humidity will accelerate the curing process.

11. **Test for leaks before backfilling or concealing.**

## IMPORTANT

- Do not apply at or below freezing. Do not apply at or above 100°F.
- As wrap cures, excess resin may drip. Protect finished surfaces. (Figure G)
- Clean up with acetone before fully cured.
- After final cure fiberglass wrap may be sanded and painted. (Figure H)

Tested on steel and ductile iron pipe with 4" fracture at 600 psi, resulting in no leaks. Pressure results will vary depending on pipe material, size of fracture and workmanship.

### Plastic pressure lines:

- Use twice the number of recommended kits
- Extend Wrap a minimum of 8" each side of the break with 12 to 16 layers over the break



Figure A



Figure B



Figure C



Figure D



Figure E



Figure F



Figure G



Figure H

