

SYNTHO-GLASS® NP

REPAIR KIT: NON-PRESSURE

Repair Kit for Cracked or Broken Pipes and Joints



Description

Syntho-Glass®NP Repair System was specifically designed for depressurized pipe repair applications on copper, steel, SS, PVC, FRP, clay, concrete, rubber, and more. By combining the original Syntho-Glass® product, with the extremely chemically resistant Syntho-Steel™, this offers the geometric flexibility to repair joints, tees, couplings, and pinholes. This complete system simplifies the application process and is prepackaged to accommodate pipes up to 10 inches in diameter. Larger repair applications can be engineered to meet your requirements.

Mechanical Properties

| Test | Method | Result |
|---------------------|------------|--------------------------|
| Tensile Strength | ASTM D638 | 36,000 psi (2482.1 bar) |
| Lap Shear Strength | ASTM D5379 | 900 psi (62.05 bar) |
| Flexural Strength | ASTM D790 | 26,100 psi (1799.53 bar) |
| Dielectric Strength | ASTM D149 | 16,000 Volts |

| Pipe Diameter | Roll Size | Item # |
|---------------------------------|-----------------------------|--------|
| 1/2" - 1" (12.7mm - 25.4mm) | 2" x 5' (5.08cm x 1.524m) | NP520 |
| 1 1/4" - 2" (31.75mm - 50.8mm) | 3" x 9' (7.62cm x 2.743m) | NP930 |
| 2 1/2" - 4" (63.5mm - 101.6mm) | 4" x 15' (10.16cm x 4.572m) | NP415 |
| 4 1/2" - 6" (114.3mm - 152.4mm) | 4" x 30' (10.16cm x 9.144m) | NP430 |
| 6 1/2" - 10" (165.1mm - 254mm) | 6" x 50' (15.24cm x 15.24m) | NP650 |



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Typical Applications

- Depressurized leak repair on:
 - Joints
 - Pinholes
 - Cracks

Benefits

- Ready to use
- Heat resistant
- Effective, time-saving
- No mixing and no mess
- Sets rock hard in minutes
- NSF61 approved for potable water

Kit Contents

- Step-by-Step Instructions
- Sanding Cloth
- Solvent Cleaning Wipe
- Protective Gloves
- Butyl Strip
- Syntho-Steel™ Putty
- Syntho-Glass®
- Compression Film

Physical Properties

VOCs: None

Service Temperature:

Syntho-Glass: -50 to 250°F (-46 to 121°C)

Syntho-Steel: -50 to 250°F (-46 to 121°C)

Butyl Tape: -50 to 158°F (-46 to 70°C)

Application Temperature:

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)

Shelf Life: 24 Month

