

SYNTHO-GLASS[®] NP REPAIR KITS: NON-PRESSURE

Repair Kit for Cracked or Broken Pipes and Joints



Description

Syntho-Glass[®] NP Repair System was specifically designed for depressurized 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.

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 4.527m)	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

Kit Contents

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

Typical Applications

- Cracked piping
- Leaking joints
- Corroded pipes
- Emergency repair
- Potable water lines
- Irregular pipe fittings

Benefits

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



Physical Properties

VOCs: None

Resistance Temperature:

Heat: 250°F (121°C)

Cold: -50°F (-46°C)

Gasoline and Oil: No effect

Alcohol: No effect

Water: No effect

Potassium Sulfate: No effect

Sulfuric Acid >75%: No effect

High Concentration Mineral Acid: No effect

High Concentration Alkali: No effect

Max Pressure Once Cured: 300 psi (20.6 bar)

Max Repair Temperature: 250°F (121°C)

Set Time: 28 Minutes at 70°F (21°C)

Shelf Life: 24 Months

Mechanical Properties

Tensile Strength: 36,000 psi (2482.1 bar)

Lap Shear Strength: 900 psi (62.05 bar)

Flexural Strength: 26,100 psi (1799.53 bar)

Dielectric Strength: 16,000 Volts

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