

SYNTHO-GLASS[®] UP REPAIR KITS: UNDER PRESSURE

Repair Kit for Pipe and Joint Repair up to 60 PSI (4 bar)



Description

Syntho-Glass[®] UP Repair System was specifically designed for under pressure 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[®] and unique Pressure Sealing Rubber Tape, 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	Kit #
1/2"-1"	2" x 5' (5.08cm x 1.524m)	UP520
1 1/4"-2"	3" x 9' (7.62cm x 2.743m)	UP930
2 1/2"-4"	4" x 15' (10.16cm x 4.572m)	UP415
4 1/2"-6"	4" x 30' (10.16cm x 9.144m)	UP430
6 1/2"-10"	6" x 50' (15.24cm x 15.24m)	UP650

Typical Applications

- Under pressure leaks
- Leaking joints
- Live pinhole leaks
- Dripping lines
- Emergency repair
- Potable water lines

Benefits

- No shutdown necessary
- Ready to use
- Repair of pipes **under pressure** up to 60 PSI (4.1 BAR)
- Heat resistant
- Effective, time-saving
- No mixing and no mess
- Sets rock hard
- NSF61 approved

Kit Contents

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

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Physical Properties

Resistance Temperature to Heat: 250°F (121°C)

Resistance Temperature to 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 Repair Pressure: 60 PSI (4.1 BAR)

Max Pressure Cured: 300 PSI (20.6 BAR)

Max Repair Temperature: 250°F (121°C)

Mechanical Properties

Tensile Strength: 39,000 PSI (269 MPa)

Lap Shear Strength: 900 PSI (6.2 MPa)

Flexural Strength: 26,100 PSI (180 MPa)

Dielectric Strength: 16,000 Volts



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	Kit #
1/2"-1"	2" x 5' (5.08cm x 1.524m)	NP520
1 1/4"-2"	3" x 9' (7.62cm x 2.743m)	NP930
2 1/2"-4"	4" x 15' (10.16cm x 4.527m)	NP415
4 1/2"-6"	4" x 30' (10.16cm x 9.144m)	NP430
6 1/2"-10"	6" x 50' (15.24cm x 15.24m)	NP650

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
- NSF61 approved

Kit Contents

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

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Mechanical Properties

Tensile Strength: 39,000 PSI (269 MPa)

Lap Shear Strength: 900 PSI (6.2 MPa)

Flexural Strength: 26,100 PSI (180 MPa)

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