

SYNTHO-GLASS®UP

UNDER PRESSURE REPAIR KIT



Description

Syntho-Glass®UP Repair System was specifically designed for under pressure leak 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.

Mechanical Properties

Test	Method	Result
Tensile Strength	ASTM D3039	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)	UP520
1 1/4" - 2" (31.75mm - 50.8mm)	3" x 9' (7.62cm x 2.743m)	UP930
2 1/2" - 4" (63.5mm - 101.6mm)	4" x 15' (10.16cm x 4.572m)	UP415
4 1/2" - 6" (114.3mm - 152.4mm)	4" x 30' (10.16cm x 9.144m)	UP430
6 1/2" - 10" (165.1mm - 254mm)	6" x 50' (15.24cm x 15.24m)	UP650



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Typical Applications

- Under pressure leaks on:
 - Leaking joints
 - Pinhole leaks

Benefits

- Repair of pipes under pressure up to 60 psi (4.1 bar)
- No shutdown necessary
- Simple application
- Effective, time-saving
- No mixing and no mess
- Sets rock hard in minutes
- NSF61 and BS6920 approved for potable water when Syntho-Steel is used as the primary sealant

Kit Contents

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

Physical Properties

VOCs: None

Service Temperature:

Syntho-Steel, Pressure Sealing Tape and Syntho-Glass: -50 to 250°F (-46 to 121°C)

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

Application Temperature:

32° to 250°F (0° to 121°C)

Live Repair Pressure: Max 60 psi (4.1 bar)

Pressure Once Cured: Max 300 psi (20.6 bar)

Repair Temperature: Max 250°F (121°C)

Set Time: 28 Minutes at 70°F (21°C)

Shelf Life: 24 Months

