

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	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

Kit Contents

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

Typical Applications

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

Benefits

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

©Neptune Research Inc. (NRI). Syntho-Glass[®] and Syntho-Glass[®] UP are registered trademarks and Syntho-Steel[™] is a trademark of NRI. NRI utilizes a process of continuous product improvement for all of our products. While we do strictly adhere to our products' specifications, we routinely implement product improvements. Therefore, please contact your local NRI distributor or office for the most current product specifications. NRI warrants the quality of this product when used according to directions. Syntho-Glass UP is NOT an approved coating system. Failing to coat per standard procedures can lead to atmospheric corrosion damage. Apply protective coatings per company standards. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement. UPDS 0410

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 Live Repair Pressure: 60 psi (4.1 bar)

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



NRI
Innovative Composite Solutions