

SYNTHO-GLASS® NP

NON-PRESSURE LEAK REPAIR KIT



Description

Syntho-Glass®NP Repair System was specifically designed for depressurized pipe repair applications on copper, steel, SS, PVC, FRP, 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 (2,482.1 bar)
Lap Shear Strength	ASTM D5379	900 psi (62.05 bar)
Flexural Strength	ASTM D790	26,100 psi (1,799.53 bar)
Dielectric Strength	ASTM D149	16,000 Volts

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



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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 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
- Butyl Strip
- Syntho-Steel™ Putty
- Syntho-Glass®
- Compression Film

Physical Properties

VOCs: None

Working Time: 5 Minutes at 75°F (24°C)

Set Time: 30 Minutes at 75°F (24°C)

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)

Shelf Life: 24 Months with recommended storage conditions

