



## Typical Applications

- Repairs pipes from 1/2 inch to 54 inches
- Emergency repair
- Cracked pipes
- Corroded pipes
- Irregular pipe fittings
- Force mains and gravity lines
- Underwater repair
- Splash zone
- Joint and tee repair
- Potable water lines

## Benefits

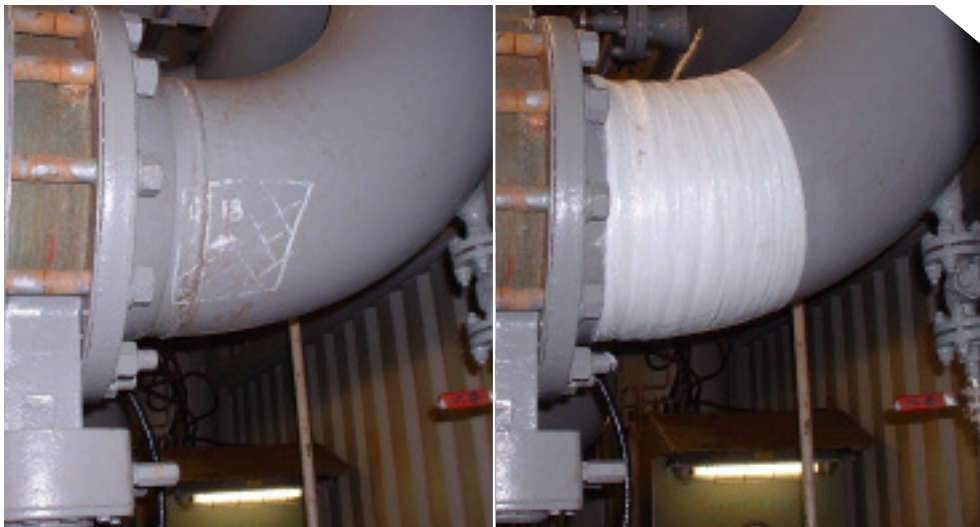
- Ready to use
- Heat resistant
- Effective, time-saving
- No mixing and no mess
- Sets rock hard

## Description

Syntho-Glass® is the original, patented fiberglass pre-impregnated composite that is activated by salt or freshwater. Packaged in a hermetically sealed foil pouch, it is ready to use and does not require any measuring or mixing. This system, when used with the appropriate primary patch, enables you to repair and reinforce virtually any diameter pipe in minutes. Syntho-Glass not only restores a pipe to its original PSI rating, but actually can make the repair area stronger than the original pipe, plus it reduces downtime, saving you thousands in parts and labor. With an initial setting time of only 30 minutes (75°F), Syntho-Glass is excellent on copper, steel, SS, PVC, FRP, clay, concrete, rubber, and more. It is safe to use, nontoxic, noncombustible, and odorless. Syntho-Glass is a versatile solution for industries where quick-action repair can be critical.

## Mechanical Properties

Tensile Strength	ASTM D 638 Type I-8 PLY	36,448 PSI (2513.6 BAR)
Flexural Strength	ASTM D 790 Type I-8 PLY	26,100 PSI (1800 BAR)
Compressive Strength	ASTM D 695 Type I-8 PLY	24,846 PSI (1713.5 BAR)
Dielectric Strength	Volts	16,060
Temperature Resistance	Continuous, Intermittent	300°F, 500°F (149°C, 260°C)
Setting Time at 75°F	Minutes	28
Shelf Life	Months	24
Hazards	Nontoxic, Noncombustible	
Repair Substrates	Steel, Galvanized, Concrete, FRP, Iron, PVC	
PSI (BAR)	Continuous, Intermittent	300, 500 (20.6, 34.4)
Lap Shear		900 PSI (6.2 MPa)



Part #	Roll Size
SG520	2" x 5' (5.08cm x 1.524m)
SG930	3" x 9' (7.62cm x 2.743m)
SG415	4" x 15' (10.16cm x 4.572m)
SG420	4" x 20' (10.16cm x 6.096m)
SG430	4" x 30' (10.16cm x 9.144m)
SG450	4" x 50' (10.16cm x 15.24m)
SG820	8" x 20' (20.32cm x 6.096m)
SG830	8" x 30' (20.32cm x 9.144m)
SG850	8" x 50' (20.32cm x 15.24m)

## Chemical Resistance

ASTM D 543, TEST PERIOD 2 MONTHS at 73°F (23°C)

Solution Tested	Product Result
Sulfuric Acid 50%	No Effect
Hydrochloric Acid 50%	No Effect
Sodium Hydroxide Solution 20%	No Effect
Gasoline	No Effect
Toluene	No Effect
Xylene	No Effect
Mineral Spirits	No Effect
Distilled Water	No Effect

## Temperature vs. Setting Time

Average Temperature	Approximate Setting Time
95°F (35°C)	23 min.
70°F (21°C)	28 min.
60°F (16°C)	1 hr. 25 min.
50°F (10°C)	2 hrs. 42 min.
42°F (6°C)	3 hrs. 2 min.
35°F (2°C)	6 hrs. 21 min.

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