

PermaGlass ST™



"The Ultimate Wet-Wrap"

- *No Hazardous Materials*
- *No Shutdown • No Hot Work • No Heavy Equipment*
- *2-Man 15 Minute Installation*



Composite Solutions for Piping and Structures
2701 State Highway 322 Longview, Texas 75603



A SAFE SIMPLE PIPE REPAIR

Pipe Specimen: 6.625" O.D. x .280" Wall; API-5LX-60

Defect – 1.5" x 6.5" x .211" Deep

Completed Installation 15 minutes

Pipe Body Failure @ 4,200 psi



PermaGlass ST™ Kit:

- ◆ PermaGlass ST™ - uses a superior laminate construction with proven materials to form a high tensile strength fiberglass wrap for the structural reinforcement of internal and external defects to piping.
- ◆ PermaGlass ST™ - uses a two-part proprietary Non-Hazmat solvent free epoxy adhesive to bond the material to the pipe surface and to each composite layer to form a monolithic structure.
- ◆ PermaGlass ST™ - Installation Accessory Kit provides all items to properly apply the PermaGlass™ System with minimal additional tooling.
- ◆ PermaGlass ST™ - can be used to restore all pipe diameters.
- ◆ PermaGlass ST™ - kits are available in (2) standard widths – 14" & 19"

Repair:

- ◆ Corrosion Defects internal and external
- ◆ Blunt Dents and Gouges
- ◆ Bends, Elbows and Tees
- ◆ Leaking defects as a temporary repair
- ◆ Corrosion at Pipe Supports
- ◆ Vertical & Horizontal Piping
- ◆ Marine Coating
- ◆ Applies and cures underwater

Material Properties:

Cure Time	4-10 Hours
Operating Temperature	130 °F/55°C
Compressive Strength - ASTM D695	10,000 psi
Tensile Strength - Epoxy - ASTM D638	4,800 psi
Flexural Strength - Epoxy - ASTM D790	6.600 psi
% Elongation Epoxy	4-6 %
Hardness – Shore D ASTM D2240	91

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