

# PermaGlass™



***“The Next Generation Repair System”***  
**Tested and Proven at the EXTREMES**

**FOR WET ENVIRONMENTS (INCLUDING UNDERWATER)**

- *D.O.T./CSA/ASME PCC-2/ISO TS-24817 Compliant • No Shutdown*
- *No Hot Work • No Heavy Equipment • 30 Minute Installation*
- *“Smart Pig” Detectable*

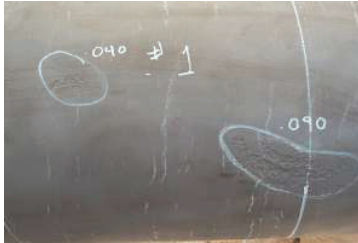


*Composite Solutions for Piping and Structures*  
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## AN ADVANCEMENT IN PIPE REPAIR

Defect - External Wall Loss



Typical Wet-out Kit



View of Repair



### PermaGlass™ Kit:

- ◆ *PermaGlass™ - Third Party Certification to ASME PCC-2 2022 and ISO 24817 2017 Standards.*
- ◆ *PermaGlass™ - A superior laminate construction with proven materials to form a high strength fiberglass wrap for the structural reinforcement of internal and external defects to piping.*
- ◆ *PermaGlass™ - Comprised of a two-part proprietary epoxy system that is safe for the environment and unaffected by field conditions. The 100% solids with no VOC bonds the material to the pipe surface forming a monolithic structure.*
- ◆ *PermaGlass™ - Installation Accessory Kit provides all items to properly apply the PermaGlass™ System with minimal additional tooling.*
- ◆ *PermaGlass™ - Accommodates all pipe sizes and conforms to every geometric shape.*
- ◆ *PermaGlass™ - Standard Kits come with 50' of 14" wide fabric to cut to size for ease of use.*

### Repair:

- ◆ *Corrosion Defects internal and external*
- ◆ *Blunt Dents and Gouges*
- ◆ *Bends, Elbows and Tees*
- ◆ *Applies and cures underwater*
- ◆ *Corrosion at Pipe Supports*
- ◆ *Vertical & Horizontal Piping*
- ◆ *Marine Coating*

### Material Properties:

|                                  |                      |
|----------------------------------|----------------------|
| <i>Set Time at Ambient</i>       | <i>2-4 Hours</i>     |
| <i>Max Install Temperature</i>   | <i>130 °F/55 °C</i>  |
| <i>Max Operating Temperature</i> | <i>178 °F /81 °C</i> |
| <i>Tensile Strength</i>          | <i>105,100 psi</i>   |
| <i>Lap Shear Strength</i>        | <i>2,280 psi</i>     |
| <i>Hardness – Shore D</i>        | <i>80-90</i>         |

For more information visit us at: [www.wrapmasterglobal.us](http://www.wrapmasterglobal.us) or email us at: [sales@wrapmaster.us](mailto:sales@wrapmaster.us)

