



Composite Pipe Repair PermaWrap & WeldWrap

**No Shutdown/ No Hot Work / No Heavy Equipment / MFL Detectable /
Diamond Lock Technology**

The patented PermaWrap™ composite reinforcement sleeve is a pre-manufactured rigid composite pipe wrap with advantages that have a direct benefit to clients.

- PermaWrap™ is magnetically detectable by MFL In-Line Inspection (ILI) tools eliminating post identification methods or procedures.
- The patented “diamond grip” embossment technology provides a mechanical lock system allowing individual layers of the wrap to nest within each other, even on inclines or in the vertical position. This feature virtually eliminates telescoping during application.
- Available in multiple widths: 6, 9, 12, 15 and 18 inches in diameters from 4 to 60 inches.
- WeldWrap™: The only composite repair sleeve designed for girth weld zone reinforcement



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Features

- **Repair**
 - External corrosion defects to 80% wall loss
 - Blunt pipeline dents and gouges
 - Girth weld repairs (WeldWrap)
 - Field bends and elbows
 - Vertical & horizontal pipeline
 - Corrosion or wear at pipe supports.
- **Properties**
 - Cure time 2 hours
 - Maximum operating temperature 72°C
 - Tensile strength – 90,000 psi
 - Design life 50 years
- **Compliance**
 - ASME PCC-2
 - ISO 24817
 - CSA
 - DOT



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