

EPR (Engineered Pipe Repair)™

We are excited to introduce another new offering to the CLSI family of products. **EPR™** is an advanced carbon fiber system that can be installed as a permanent repair solution or in emergency situations to eliminate erosion, corrosion and structural deterioration.

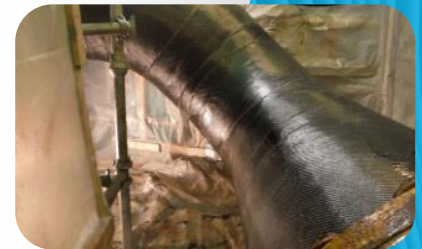
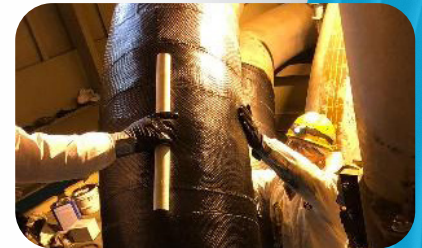
EPR™ offers many benefits not found in other repair or replacement solutions;

- ✓ **No shut down required** – Repairs can be made online, many times while your system is running
- ✓ **Safety** – Quickly stops leaks while avoiding removal and handling of replacement components
- ✓ **Economical** – Repairs and structural reinforcement can be made in a matter of hours.
- ✓ **Sustainability** – Reuse and extend the life of existing equipment
- ✓ **Options** – With the addition of various wear materials service life can be extended 10+ years and installed at a fraction of cost for new components

At the base of **EPR™** is lightweight carbon fiber thread manufactured in the USA. When designed using a wide array of specially formulated epoxy and coating options the system will provide a high strength, chemical and temperature resistant solution to meet all your repair needs. **EPR™** bonds to steel, aluminum, concrete and fiberglass, withstands many acids and solvents and with the ability to operate in a 375°F environment the applications are endless!

As certified **EPR™** applicators and distributors our experienced MSHA and OSHA field crews can provide solutions for a wide range of industries including;

- **Power Generation and Transmission**
- **Mining**
- **Cement**
- **Grain Processing**
- **Water Treatment**
- **Chemical, Oil and Gas**



EPR™ repair kits for self-installation on low pressure applications (<250 psi) can be shipped from materials stocked in our Arnold, MO warehouse. Each Pipe Repair Kit (PRK) contains bi-directional carbon fiber wrap, saturating resin, ceramic filled epoxy and immersion grade epoxy coating. Also included are mixing and application tools conveniently packaged to get the job done right.

Available kit sizes include;

- ▶ **PRK-0106 for 1" to 6" Std pipe**
- ▶ **PRK-0612 for 6" to 12" Std pipe**
- ▶ **PRK-1224 for 12" to 24" Std pipe**
- ▶ **PRK-2434 for 24" to 34" Std pipe**

Note: Sizes up to 24" include material to repair (1') of pipe, 24" to 34" repairs (2')

EPR (Engineered Patch Repair)™

For small areas requiring repair we offer two Patch Kit (PK) sizes.

- ▶ **PK-1212 for a 12" x 12" area and PK-2525 for a 25" x 25" area**

Note: Patch kits require the repair area to be sandblasted to SSPC-6

EPR™ is not only for external use on pipe! It can be applied to chutes, hoppers, ducts, tanks, vessels and mixers to provide the same corrosion and erosion resistance while increasing structural integrity.



Please call C.L. Smith Industrial Company and speak with your Sales Representative about **EPR™** kits, on-site installation or custom applications for your specific needs.