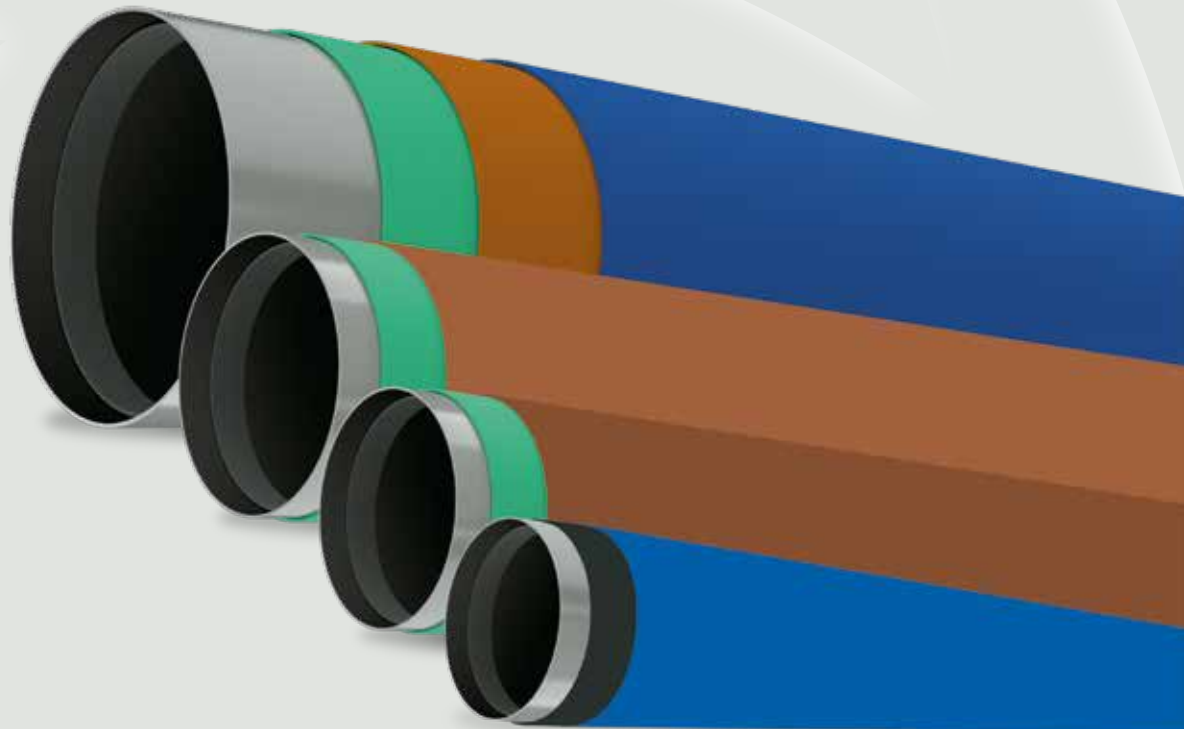


PREMIER ENGINEERED, PRO & STANDARD SERIES

PERMA-BOND™

ANTI-CORROSION PIPE COATINGS



PARTNERS IN EXCELLENCE



PERMA-BOND™ FEATURES

Premier Engineered Series:

- Fully bonded system
- Exceptional corrosion, chemical, soil and moisture resistance
- Excellent adhesion, cadmium and abrasion protection
- Suitable for directional drilling, bored crossings, extreme soil stress conditions, and rocky terrain
- Less stringent backfilling requirements
- Superior performance properties

Pro Series:

- Plant application reduces coating cost and lowers environmental impact
- Fast turnarounds
- Chemical, soil and corrosion resistant
- Consistent quality – Standardized process and controlled environment
- Excellent adhesion, cadmium resistance and mechanical protection
- Optional topcoats uniquely suited to address specific project conditions
 - » Abrasion and/or moisture resistance
 - » High temperature option available (up to 302 °F (150 °C))

Standard Series:

- Economical
- Fast turnaround
- Moisture, soil and corrosion resistant
- Excellent adhesion, cadmium resistance and mechanical protection
- Optional double jacket for increased mechanical protection



PERMA-BOND™ PROTECTION

Maintaining the integrity of the pipeline is critical to save it from costly repairs. The anti-corrosion coatings designed for external pipeline applications must be engineered to withstand a wide range of environmental conditions to prevent it against external corrosion cracks and leaks over time. By preventing external corrosion with the use of an anti-corrosion coating, it ensures precious natural resources and fluids reach their destination safely and efficiently.

PERMA-BOND™ is a family of external anti-corrosion pipe coatings consisting of the Premier, Pro, and Standard Series to meet your project requirements and budget in protecting your piping system against further corrosion.

PERMA-BOND™ PERFORMANCE

PERMA-BOND anti-corrosion pipe coatings available with a single or multi-layer high-temperature insulation. Each of the coating layers can be customized to the right thickness of your pipelines to protect against external corrosion.

PERMA-BOND offers a range of series features in capabilities and complexities to address all performance and budgetary requirements to extend the life of the piping system.

PERMA-BOND™ SOLUTIONS

PERMA-BOND prevents external corrosion to pipelines for buried and aboveground applications that comply with industry specifications to ensure quality, consistency, safety, and efficiency. Solutions are available for a wide range of operating temperatures and environments to serve various industries, such as oil & gas and industrial.

PERMA-PIPE offers turnkey services to meet operational and project challenges beyond the piping system that our clients have come to trust. We provide project planning, engineering support for system construction, design assistance and calculations, project management, pre-fabrication services, and field service training certification to reduce your installation, environmental, and safety concerns from start to finish of a piping project. Our extensive track record of successful global projects will showcase our experience.

PERMA-BOND™ OPTIONS

Premier Engineered Series:

Carrier Pipe, Fusion Bonded Epoxy (FBE), Polymeric Adhesive, and High-Density Polyethylene (HDPE) Outer Jacket

Pro Series:

Carrier Pipe, Fusion Bonded Epoxy (FBE), choice of Abrasion Resistant Overcoat (ARO) or Moisture Resistant Overcoat (MRO)

Standard Series:

Carrier Pipe, Rubberized Asphalt Adhesive, and High-Density Polyethylene (HDPE) Outer Jacket

Carrier Pipe Options:

Available in many different pipe materials

Applications:

Oil & Gas
Industrial



PARTNER WITH PERMA-PIPE

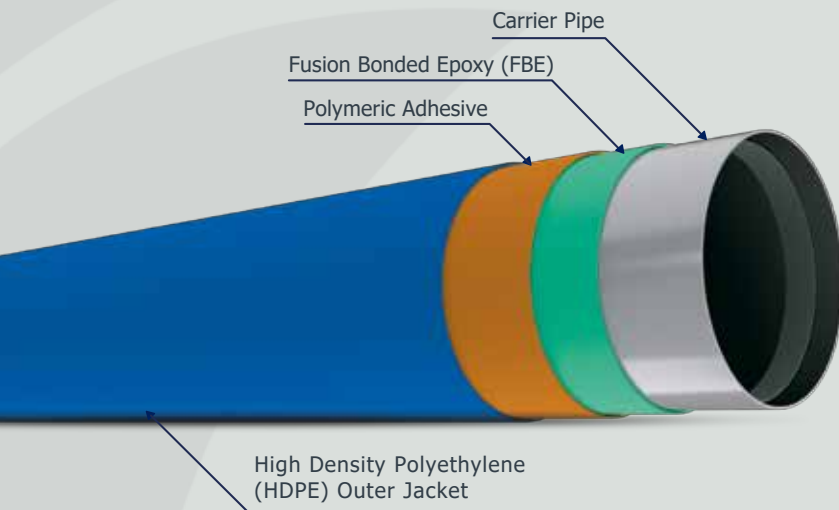
PERMA-PIPE International Holdings, Inc. (NASDAQ:PPIH) is a global engineered pipe services company offering core competencies in anti-corrosion coatings, insulation solutions, containment systems, leak detection systems, engineering support, field service, and custom fabrication.

When you do business with PERMA-PIPE, you are partnering with a company that has served the industry for over 100 years and has vast experience in all the markets we serve. You are not just buying a long-lasting, reliable piping system; you are also investing in a partnership with a company that stands behind its products and services while providing lasting peace of mind.

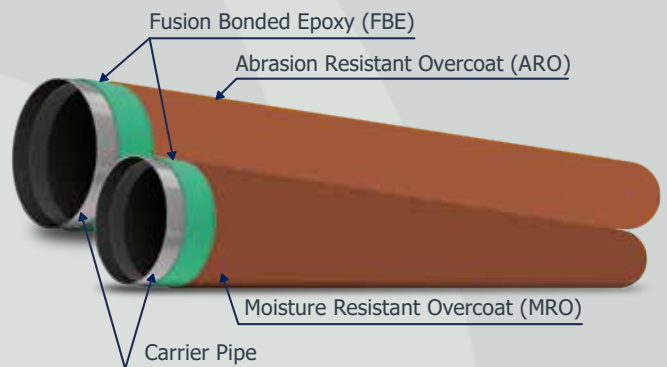
[Please see datasheet for PERMA-BOND specifications at permapipe.com]

TYPICAL PERMA-BOND™ CROSS-SECTIONS

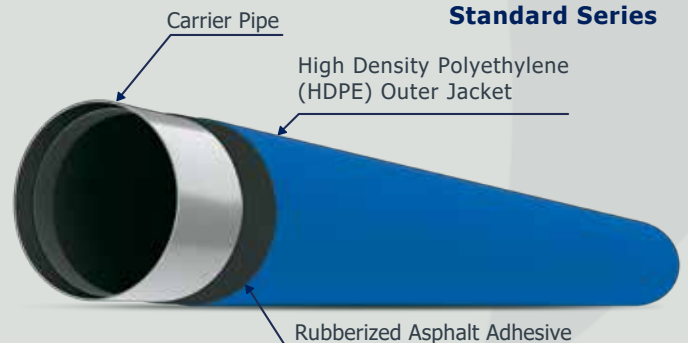
Premier Engineered Series




Pro Series



Standard Series





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