

Pipeline Restoration Products

Permabond Pipeline Restoration Products for ...

- Cast Iron Bell Joints
- Steel Mechanical Couplings and Pinhole Leaks
- Corrosion Prevention
- Anode Protection
- Meter and Weld Sealing

Permabond pipeline restoration and repair products for steel and cast iron bell joints include both a polyurethane Encapsulation System for cast iron and steel as well as Gaseal®, an anaerobic sealant for cast iron bell joint repair. Both are ideal for regular excavation, 1x1 keyholes, and coring technology. Technical training and support are available to insure successful implementation.



Encapsulation

Permabond Encapsulation 10 is a low odor polyurethane encapsulation sealant that contains no solvents or TDI.

Encapsulation 10 eliminates the danger of

working with and transporting hazardous materials. The Permabond system, comprised of Encapsulation 10 and our proprietary bags made of durable Cordura® fabric, has been tested for pressure, adhesion, and corrosion resistance on both cast iron and steel, by the Gas Technology Institute.



Gaseal®

Permabond Gaseal® is an anaerobic sealant for sealing leaks in low pressure (10-15 psi) cast iron bell and spigot joints

and mechanical bell joints. Permabond's Gaseal Anaerobic sealant eliminates solvents, mixing, blasting, and undermining of cast iron pipes. Grades are available for various weather conditions.

Corrosion Prevention, Anode Protection and Sealants



Permabond Energy Products include anode protection pads and corrosion prevention sleeves as well as a complete line of thread sealants for meter sealing. Permabond's vast line of threadlockers prevent vibration loosening and corrosion on all threaded metal fasteners.



Free technical support is available for all products.

Permabond®

Engineering Adhesives

*Cordura is a registered trademark of DuPont

Product selector

Encapsulation

Bag Types for Steel

- Mechanical Coupling N Style
- DR Style 31 Line End Cap
- DR Style 38
- DR Style 80 Long
- SB Style 15" Full Circle
- TY Style Line End Cap
- Medium Pressure
- Band Clamps
- Custom Bags



Bag Types for Cast Iron

- Regular Excavation
- Mechanical Bags
- Universal Low Pressure
- Universal Medium Pressure
- Concrete Line End Cap
- Custom Bags



Gaseal®

Product	Viscosity	Description
Gaseal 1L	Medium	A blue liquid with moderate viscosity for good flow into the leak paths most commonly encountered in cast iron pipe joints. This all-purpose grade can be used on most leaks.
Gaseal 2L	Thick	A red thixotropic liquid for sealing joints with large leaks. The higher viscosity will retain the sealant in a large leak path during the required cure process time.
Gaseal 3L	Thin	This is a yellow to amber liquid which has a very low viscosity and very high wicking action. It is ideal for injecting into tightly packed yarn. The lower viscosity and faster cure allow for better performance during cold weather repairs.



PermaBond®
Engineering Adhesives

Contact us

The experienced team of Permabond chemists is on hand to help you with custom formulations and fulfilling your technical data requests.



Permabond's sales engineers are available to assess your production line and find the best possible turnkey adhesive solution that will result in production efficiencies.

www.permabond.com
US Helpline - 800-640-7599

- **UK - 0800 975 9800**
- **Asia + 86 21 5773 4913**
- **Americas +1 732 868 1372**
- **General Enquiries +44(0)1962 711661**
- **Deutschland 0800 101 3177**
- **France 0805 111 388**

info.europe@permabond.com
info.americas@permabond.com
info.asia@permabond.com



Permabond Worldwide

Wherever your manufacturing or R&D site may be located, Permabond representatives can be called upon to assist you. We have an extensive network of trained distributors worldwide.



Non-warranty: The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions. No representative of ours has any authority to waive or change the foregoing provisions but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their business. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of this patent. We also expect purchasers to use our products in accordance with the guiding principle of the Chemical Manufacturers Association's Responsible Care® program.