

# Valve Adhesives & Sealants

Permabond adhesives and sealants are used to lock bolts and form gaskets in many types of valves. A few of those are listed on these pages. If you don't see your valve application here please contact us.

## *Application: Globe Valve Threadlocking*

Permabond HM129 is used on the hand wheel stem to permanently lock bolts. Permabond MM115 & A1042 are used to lock used to lock Stuffing Box Bolts and Bonnet Bolts.



### **Benefits of Permabond anaerobic threadlockers:**

- Lock bolts against vibration loosening
- Single component - No Mix Step Required
- Fast Fixture Speed - Efficient Process
- Ambient Cure - Energy Efficient
- Good Shelf Life - No refrigeration or freezing needed
- Prevents corrosion - eases repair

*Adhesive used: Permabond HM129 and MM115*

Globe Valve

## *Application: Threadlocking Plastic Screw and Nut on Electric Ball Valve*

### **Benefits of Permabond cyanoacrylates:**

- Low viscosity instant adhesive is applied after assembly to lock plastic screws in place on this electric ball valve. Instant lock provides fast in line production.
- Room temperature cure increases efficiency

*Adhesive used: Permabond 102*



## *Application: Threadlocking Stuffing Box Bolts on Butterfly Valve*



- Removable threadlockers lock bolts to resist loosening from vibration and thermal expansion.
- Prevent corrosion

*Adhesive used: Permabond MM115*

## *Application: Rubber Seat to Disc*

- Bonds the rubber seat to the disc instantly for in line process
- Black adhesive conceals the bond line for a clean finish
- Room temperature cure increases efficiency

*Adhesive used: Permabond 737*

## *Application: Threadlocking Hand wheel Stem*

- Lock the hand wheel stem permanently
- Vibration and impact resistant - sealants are designed to satisfy rigorous industry tests
- Rapid cure speed to optimise production line throughput.

*Adhesive used: Permabond HM129*

## *Application: Bonding and Sealing Valves in Potable Water Contact*

Permabond products are used worldwide in potable water applications. Permabond has both WRAS and NSF/ANSI 61 Certifications. Contact Permabond for a product recommendation.



Potable Water Approvals

# Permabond®

Engineering Adhesives

# Valve Applications

## Gate Valve Sealing



*Application: Form in Place Gaskets on Bonnet*

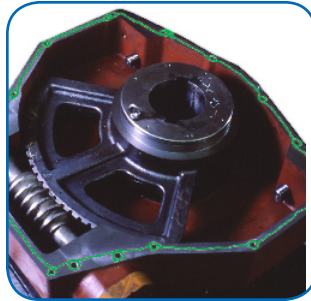
Permabond LH197 is a flexible form-in-place gasket that seals the bonnet and forms the mating gaskets on this gate valve.

### Benefits of Permabond Gasketmakers®:

- Rapid cure speeds and good seal integrity improve production rates
- Remains pliable & is inherently corrosion resistant - easy to remove with normal hand tools
- Eliminates stocking various gasket sizes

*Adhesive used: Permabond LH197*

*Regardless of the flange size or shape, Permabond Gasketmakers form a complete seal and are easily removed.*



## Pressure Relief Valve Sealing

Permabond products seal plastic as well as metal valves of various sizes and shapes against both liquid and gas pressure.

*Plastic to Plastic  
Plastic to Metal  
Metal to Metal*

*All sealed with  
Permabond*



Pressure Relief Valves

Product	Description	Typical Applications	Availability
MM115	Anaerobic, Blue, Removable Threadlocker	Locking bonnet bolts and stuffing box bolts	Americas & Asia
A1042	Anaerobic, Blue Removable Threadlocker	Locking bonnet bolts and stuffing box bolts	Europe, Middle East, Australia
HM129	Anaerobic, Red, Permanent Threadlocker	Locking hand wheel stems	Worldwide
LH197	Anaerobic, Green, Flexible Form in Place Gasket	Bonnet gaskets and mating gaskets	Worldwide
102	Cyanoacrylate, Clear, Instant Adhesive	Threadlocking plastic bolts	Worldwide
737	Cyanoacrylate, Black, Instant Adhesive	Bonding rubber gaskets and seats	Worldwide
LH050 PURE	Anaerobic, White, NSF/ANSI 61 Certified Thread Sealant	Sealing threads in potable water contact applications	Americas & Asia
MM115 PURE	Anaerobic, Colorless, NSF/ANSI 61 Certified Removable Threadlocker	Locking bolts in potable water contact applications	Americas & Asia
ET536	Two Component Epoxy, WRAS Approved, Grey, High Viscosity	Threadlocking and sealing metal and plastic components in water contact applications	Worldwide

# 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.

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## 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.