

Fire Protection Thread Sealants & Weld Sealant

Permabond Pipe Sealants (thread sealants) use anaerobic technology to prevent leaks in sprinkler systems. Used in fabrication and installation, Permabond Pipe Sealants replace pipe dope and sealing tapes with a complete and reliable seal. They do not remain a paste, like pipe dope, but cure to a solid plastic seal. Cure is initiated by the presence of metal and the absence of air.

Features:

- Easy to apply - helps lubricate threads for easy assembly
- Helps prevent cross threading
- Seals cross-cut and mis-threaded fittings
- 100% seal, even when pipe is not seated correctly
- Allows directional freedom
- Solvent-free
- Will not dry out or deteriorate over time
- Suitable for use in dry-riser or wet-standpipe systems
- Prevents corrosion
- Locks joints to prevent vibration loosening
- Eliminates 'call back' repair costs
- Replaces pipe dope and tapes
- Open container will not dry out

Products available with:



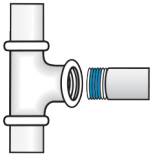
**Mil Spec/
ASTM**



For use on metal pipe only.

* FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology. The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan®, and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

Pipe Sealant Instructions



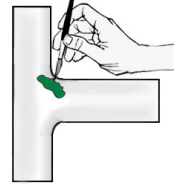
For use on **metal pipe only**
DO NOT USE ON PLASTIC

- For parallel threads, apply Permabond pipe sealant onto the leading 3 - 4 threads half way around the male pipe for pipe up to 1 ½ inches in diameter. For pipe diameter greater than 1 ½ inches apply completely around the pipe.
- For tapered threads apply sealant to the circumference of the male component where most contact is made.
- Fasten fittings together. Permabond pipe sealants will seal even when the direction the pipe must face does not allow the complete seating of the threads.
- Visually inspect for a bead of pipe sealant around the entire pipe. If the sealant isn't visible around the circumference, repeat the steps above using more sealant.

Thread Sealant	Features	Visc. cPs	Torque Strength N•m (in.lb)
LH056	For use on metal pipe work in systems that may also contain CPVC. FBC™ System Compatible*	2rpm: 400,000 20rpm 75,000	Breakaway: 4 (35) Prevail: 3 (25)
LH050	General purpose UL® Classified for sprinkler systems LH050 PURE is NSF/ANSI 61 Certified	250,000	Breakaway: 4 (35) Prevail: 3 (25)
MH052	For use on passive metals or in cold assembly temperatures WRAS & DVGW Certified	2rpm: 65,000 20rpm: 25,000	Breakaway: 20 (180) Prevail: 11 (100)
LH150	General purpose Ideal for stainless steel UL® Classified for sprinkler systems	260,000	Breakaway: 6 (50) Prevail: 3 (25)



Weld Sealant Instructions



- Expose the weld. Remove dirt, rust, scale, and/or paint from the weld area to expose the metal surface with a wire brush.
- Bleed the system of all water and pressure to allow the HL126 to wick into the porosities.

- Heat the area to 120°F (50°C) or higher. Using heat will expand and activate the metal as well as evaporate any water. **HEAT SHOULD NOT BE USED WITH A CHEMICAL SYSTEM.** Consult the Material Safety Data Sheet information on the flash point, flammability, and heat stability of the chemicals involved.
- Apply HL126 to the warm welds, with a brush, swab, or clean rag. Wet the area thoroughly with the product so that it can wick into all the open areas within the metal and form a new seal.
- If the porosity is large, or there are several pin-holes in the same area, several applications may be necessary to maximize the amount of HL126 that wicks into the voids to assure a permanent seal.
- Within five to ten minutes the product should cure with the capability of handling a low pressure. Within an hour it should be able to handle 200 psi to 500 psi of pressure. Recharging of a sprinkler system can be done after that period.
- After an hour wipe away any surface residue.

Weld Sealant	Features	Visc. cPs	Torque Strength N•m (in.lb)
HL126	Weld-porosity sealant - wicks into pin prick weld holes to seal MIL-S-22473E Grade AA MIL-S-46163A Type III Grade R for existing designs ASTM D 5363-97 AN 0261 Group 02 Class 6 Grade 1 and AN 0111 Group 01 Class 1 Grade 1 for new designs	20	Breakaway: 14 (125) Prevail: 34 (300)



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