

LOCTITE®

WANGDEX

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LOCTITE® 518™ Gasket Sealant for Reliable, Leak-Proof Seals



Our best in class just got better - improved performance with new formulation

LOCTITE® gasket sealants **prevent leaks, increase reliability** and help avoid unscheduled and costly downtime and equipment failure. LOCTITE® gasketing products have excellent chemical resistance, high blowout resistance, and are easy to apply. Henkel has upgraded the gasket sealants range with an innovative formulation for LOCTITE® 518™ with improved performance under challenging operating conditions. **Secure Success with LOCTITE®.**



To see how much you can save by converting to a LOCTITE® liquid gasketing product, contact your Henkel representative at 1-800-LOCTITE (562-8483)



New product benefits:

- ✓ Greater tolerance of surface contaminants for a more consistent cure
- ✓ Better flexibility for thinner, lighter weight flange designs
- ✓ Better gap cure seals flanges with reduced machining tolerances
- ✓ High performance on inactive metals without a primer

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LOCTITE® 518™ Flange Sealant

Flexible, high-strength anaerobic gasketing material designed for use on rigid iron, aluminum, and steel flanged mating surfaces. Fills gaps up to 0.25 mm and forms a flexible, chemical-resistant seal that will not tear or decay. Parts disassemble easily, even after extended service.

Benefits vs. cut gaskets:

- ✓ Reduces inventory costs – no need for large inventory of cut gaskets
- ✓ Reduces process costs – eliminates manual assembly of conventional gaskets
- ✓ Resists high pressure when fully cured
- ✓ No compression set or misaligned gaskets
- ✓ Easy to automate

LOCTITE® 518™ FLANGE SEALANT PROPERTIES CHART

| Max. Gap Size | Lap Shear Strength on Mild Steel* | Lap Shear Strength on Aluminum** | Cured Speed | Instant Low Pressure Seal | Fluorescence | Service Temperature Range | Part No./ Container Size | Agency Approvals |
|---------------|-----------------------------------|----------------------------------|---|---------------------------|--------------|---------------------------------|---------------------------------|-----------------------|
| 0.25 mm | 5.5 N/mm2 (MPa) | 5.4 N/mm2 (MPa) | 4-24 hrs. unprimed, 30 min. - 2 hrs. primed | Yes | Yes | -55°C to 150°C (-65°F to 300°F) | 2096064 50 ml 2096061 300 ml | NSF P1 NSF/ANSI 61 |

*24 hr cure @ 22°C, ISO 4587

**24 hr cure @ 22°C, ISO 4587



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LOCTITE®



LOCTITE® 567™ and 577™ Thread Sealants Offer Powerful Performance



No drips, no leaks, no unscheduled downtime - the next generation of LOCTITE® thread sealants

LOCTITE® thread sealants help **increase reliability** and prevent unscheduled and costly downtime and equipment failure. Henkel has introduced two innovative formulations for LOCTITE® 567™ and 577™ thread sealants with **improved performance** under harsh operating conditions. **Secure Success with LOCTITE®.**



What are leaks costing you? Contact your Henkel representative for a value calculation estimate at 1-800-LOCTITE (562-8483)



New product benefits:

- ✓ Greater oil tolerance for a more consistent cure
- ✓ Higher operating temperatures without leaks (480°F (250°C) for LOCTITE® 567™ and 355°F (180°C) for LOCTITE® 577™)
- ✓ Improved performance on inactive metals without an activator, simplifying application

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Benefits vs. tapes and putties:

- ✓ Prevents leaks; does not shrink, crack, creep or shred
- ✓ Resists vibration and shock loads
- ✓ Seals to burst strength of most piping systems
- ✓ Prevents galling and corrosion; eliminates seized assemblies.

LOCTITE® 567™ Thread Sealant

A general-purpose instant thread sealant for taper/taper threads. Excellent solvent resistance and eliminates galling on stainless steel. Ideal for stainless steel, iron, aluminum, galvanized steel and other metals. Controlled strength for easy disassembly with hand tools. Service temperature up to 480°F (250°C).

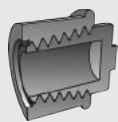
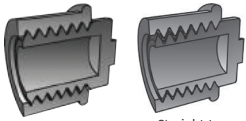


LOCTITE® 577™ Thread Sealant

A medium-strength, general-purpose thread sealant for straight/straight and taper/straight threads. Great for overhead applications and fast application at low temperatures. Excellent chemical and thermal resistance; gel-like form results in less migration of product after application. Service temperature up to 355°F (180°C).



LOCTITE® THREAD SEALANT PROPERTIES CHART

| Product | Thread Type | Appearance | Typical Use | Max Thread Size | Breakaway Torque | Instant Low Pressure Seal | Fluorescence | Service Temperature Range | Part No./ Container Size | Agency Approvals |
|---------------|--|--------------|---|-----------------|------------------|---------------------------|--------------|-------------------------------|---------------------------------------|----------------------|
| LOCTITE® 567™ |  Tapered Thread | Opaque paste | Controlled strength for tapered threads | M80 or 3" NPT | 8 Nm* | Yes | No | -55 to 250°C (-65°F to 480°F) | 2087067 50 ml 2087069 250 ml | NSF/ANSI 61, UL, ULC |
| LOCTITE® 577™ |  Straight Thread Straight to Tapered Thread | Yellow paste | Medium strength for straight threads | M80 or 3" | 15 Nm** | Yes | Yes | -55 to 180°C (-65°F to 355°F) | 2068749 50 ml 2068748 250 ml | NSF P1, DVGW |

*3/8 stainless steel nuts and bolts, ISO 10964 24 hrs. @ 25°C

**M10 Stainless steel nuts and bolts, ISO 10964 24 hrs. @ 22°C

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