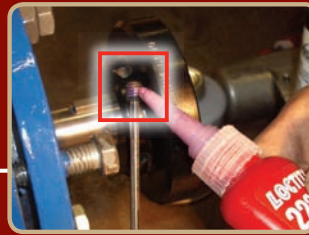


Your Source for  
**THREADLOCKING  
& THREAD SEALING**



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**THREADLOCKERS**

Loctite® threadlockers are vastly superior to mechanical locking devices for the assembly of threaded fasteners. The anaerobic liquid is applied drop-wise to the threads of a fastener and cures to a hard thermoset plastic that locks the threads together. This prevents unwanted movement, loosening, leaks and/or corrosion. To further enhance their performance, anaerobic formulations have been developed for applications with high temperatures, oil contamination and less active surfaces.

Loctite® threadlockers have historically been formulated as liquids due to their reactivity; in liquid form they remain stable and ready for use. Recent breakthroughs have led to the development of stable, semisolid stick formulations. This has opened the door to applications where the liquids were considered too messy or inconvenient. The new semisolid formulations allow direct contact of the anaerobic product to the part – the product is placed exactly where it is needed, and it stays in place as the threaded part is positioned and assembled.

Threaded fasteners continually receive various types of differential stress. Stresses, such as vibration and shock, thermal expansion and contraction, and micro-movement of the fastened parts, can all reduce clamping force and ultimately cause machine failure. Many mechanical devices, such as spring washers, wire retainers and locking bolts, were developed to prevent uncontrolled loosening of fasteners. These locking methods add substantial cost to the fastener assembly, yet cannot reliably prevent loosening due to their uneven side or sliding motion. They also do not seal or prevent corrosion within the fastener assembly and must be sized appropriately for the specific fastener.

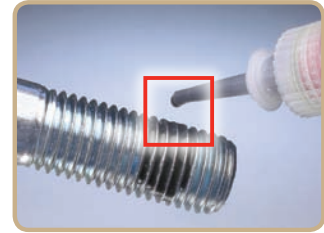
Threadlockers are available in low strength formulations for easy removal, medium strength grades that are removable using common hand tools, and high strength grades that offer strong holding abilities. However, no threadlocker is completely permanent; standard hand tools remove even the highest-strength threadlockers following direct exposure to heat (450°F to 500°F) for about five minutes.

**CAN I RE-USE BOLTS THAT WERE PREVIOUSLY LOCKED WITH THREADLOCKER?**

Contrary to common belief, any bolt previously locked with threadlocking adhesive is reusable simply by removing the old adhesive, applying new threadlocking material and reassembling.

Loctite® Adhesives and Sealants Product Specialists are available to assist you with new product designs, or to help you re-engineer an existing application for improved performance and cost savings. They can also set up testing of your parts at the Henkel Customer Engineering Center. For application assistance, call **1-800-LOCTITE (562-8483)**; within Canada, call **1-800-263-5043**; or contact us through the web at [www.henkelna.com/loctite](http://www.henkelna.com/loctite).

**STRAIGHT FROM *The Source***



*Your Source* **THREADLOCKING SELECTOR GUIDE**

**WHAT TYPE OF METAL PARTS ARE BEING ASSEMBLED?**

Inactive Metals (Metals that don't rust)	Active Metals (Metals that rust)	
	Are the parts pre-assembled?	
	YES	NO
<p><b>Loctite® 243™ Blue Threadlocker</b></p> <p>Item # 1330255 0.5 ml capsule 1329837 10 ml bottle 1329467 50 ml bottle 1329505 250 ml bottle 1330333 1 liter bottle</p> <p>MEDIUM STRENGTH</p>	<p><b>UP TO 300°F (150°C)</b></p> <p><b>Loctite® 220™ Threadlocker</b></p> <p>Item # 37388 10 ml bottle 39186 50 ml bottle 22041 250 ml bottle</p> <p>WICKING / MEDIUM STRENGTH</p>	<p><b>HIGH TEMPERATURE</b></p> <p><b>UP TO 450°F (232°C)</b></p> <p><b>Loctite® 246™ Threadlocker</b></p> <p>Item # 29513 10 ml bottle 29514 50 ml bottle 29515 250 ml bottle</p> <p>MEDIUM STRENGTH</p>
<p><b>Loctite® 263™ Red Threadlocker</b></p> <p>Item # 1330582 0.5 ml capsule 1330583 10 ml bottle 1330585 50 ml bottle 1330335 250 ml bottle 1330334 1 liter bottle</p> <p>PRIMERLESS / HIGH STRENGTH</p>	<p><b>Loctite® 290™ Threadlocker</b></p> <p>Item # 29005 0.5 ml capsule 29021 10 ml bottle 29031 50 ml bottle 29041 250 ml bottle 29043 1 liter bottle</p> <p>WICKING / HIGH STRENGTH</p>	<p><b>GENERAL-PURPOSE</b></p> <p><b>Loctite® 222™ Threadlocker</b></p> <p>Item # 21463 10 ml bottle 21464 50 ml bottle</p> <p>LOW STRENGTH</p>
<p><b>Loctite® 2760™ Threadlocker</b></p> <p>Item # 37266 0.5 ml capsule 32526 10 ml bottle 32525 50 ml bottle 32527 250 ml bottle 32528 1 liter bottle</p> <p>FAST CURE / HIGH STRENGTH</p>	<p><b>300°F (150°C) TO 450°F (232°C)</b></p> <p><b>Loctite® 294™ Threadlocker</b></p> <p>Item # 27935 10 ml bottle 27936 50 ml bottle 27937 250 ml bottle</p> <p>WICKING / HIGH TEMPERATURE</p>	<p><b>Loctite® 266™ Threadlocker</b></p> <p><b>Loctite® 272™ Threadlocker</b></p> <p>Item # 266™ 26772 10 ml bottle 266™ 26773 50 ml bottle 266™ 26774 250 ml bottle 272™ 37387 10 ml bottle 272™ 27240 50 ml bottle 272™ 27270 250 ml bottle 272™ 27285 1 liter bottle</p> <p>HIGH STRENGTH</p>
		<p><b>UP TO 650°F (343°C)</b></p> <p><b>Loctite® 2422™ Threadlocker</b></p> <p>Item # 1134601 30 g syringe 1134602 300 g cartridge</p> <p>HIGH TEMPERATURE / MEDIUM STRENGTH</p>
		<p><b>Loctite® 2620™ Threadlocker</b></p> <p>Item # 1138282 30 g syringe</p> <p>HIGH TEMPERATURE / HIGH STRENGTH</p>
		<p><b>SEMISOLID/GEL</b></p> <p><b>Loctite® QuickStix™ 248™ Blue Threadlocker</b></p> <p>Item # 37684 9 g stick 37087 19 g stick</p> <p>MEDIUM STRENGTH</p>
		<p><b>Loctite® QuickStix™ 268™ Threadlocker</b></p> <p>Item # 37685 9 g stick 37686 19 g stick</p> <p>HIGH STRENGTH</p>

Your Source for  
**THREADLOCKING  
& THREAD SEALING**



**THREAD SEALING**

When choosing a thread sealant, there are several factors that need to be considered. The single most important question is substrate. Are you dealing with plastic threads, metal threads or a combination of both? Plastic threads usually require a different sealant than metal threads. In some instances, the environment becomes a factor. If the application requires the sealant to be in contact with harsh chemicals, then a chemically resistant sealant should be chosen. In other cases, the type of thread is important. For example, if the fitting to be sealed has large coarse threads, then a sealant with more gap fill should be chosen. Similarly, a low viscosity sealant would be better suited for fine threads. Therefore, when choosing a sealant, it is important to consider all of the factors. The following chart will help guide you through your choices.

Loctite® Adhesives and Sealants Product Specialists are available to assist you with new product designs, or to help you re-engineer an existing application for improved performance and cost savings. They can also set up testing of your parts at the Henkel Customer Engineering Center. For application assistance, call **1-800-LOCTITE (562-8483)**; within Canada, call **1-800-263-5043**; or contact us through the web at [www.henkelna.com/loctite](http://www.henkelna.com/loctite).

**STRAIGHT FROM** *The Source*

**FINDING THE RIGHT THREAD SEALANT FOR THE APPLICATION**

**What are the benefits of using thread sealants?**

Thread sealants provide tight seals between joints, can withstand immense pressures, allow for easier assembly and disassembly, prevent corrosion, and prevent parts from “welding” to one another.

**Which sealants have potable water approvals?**

The following Loctite® thread sealants all have a NSF 61 potable water approval rating: Loctite® QuickStix™ 561™ PST®, 564™, 565™ PST® and 567™ PST®.

**What is galling?**

Galling occurs when metals weld together due to lack of lubrication or ineffective lubrication during assembly. Without proper lubrication, mating surfaces wear against each other and result in “welding” or seizure. Sealants containing PTFE increase lubricity, reduce galling, and enable easier assembly and disassembly.

**Are there any thread sealants available that are compatible with systems in oxygen rich environments?**

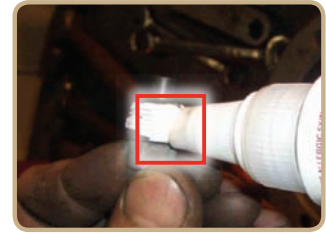
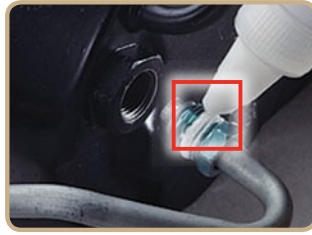
Loctite® Thread Seal Tape with PTFE is the only thread sealing product that is compatible with systems in oxygen rich environments.

**Why is the “squeeze-out” material around the joint not cured?**

In order for anaerobic material to cure, there have to be two mating metal surfaces. Any excess material that squeezes from the assembly can simply be wiped away.

**Why use a solvent-based sealant on plastic fittings?**

Anaerobic sealants work when they harden in the absence of air and the presence of a metal surface. On the other hand, solvent-based sealants harden when the solvent evaporates. In the case of plastic fittings, you must rely on a solvent-based sealant since there are no metal surfaces to cure the adhesive. Similarly, in those cases when joining metal to plastic fittings, solvent-based sealants are recommended. Because only half of the substrate is metal, anaerobic sealants may produce inconsistent cure.



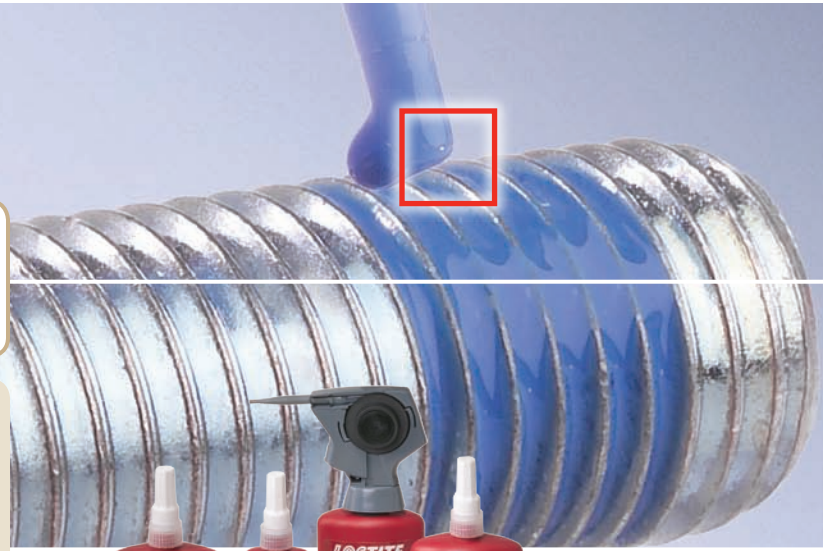
*Your Source* **THREAD SEALANTS SELECTOR GUIDE**

**WHAT TYPE OF THREADS DO YOU HAVE?**

Plastic-to-Plastic and Plastic-to-Metal	Metal-to-Metal		
<b>SOLVENT-BASED</b>	<b>GENERAL-PURPOSE</b>	<b>PNEUMATIC/HYDRAULIC</b>	<b>LOW STRENGTH</b>
<p><b>Loctite® Thread Sealant with PTFE</b></p> <p>Item # 30534 0.25 pint brush-top can 30561 1 pint brush-top can</p>	<p><b>Loctite® 564™ Thread Sealant</b></p> <p>Item # 28754 50 ml tube 28755 250 ml tube 34759 350 ml brush-top can</p>	<p><b>Loctite® 542™ Thread Sealant</b></p> <p>Item # 21453 50 ml bottle 37795 250 ml bottle</p>	<p><b>Loctite® 572™ Thread Sealant</b></p> <p>Item # 21454 50 ml tube</p>
<p><b>Loctite® No More Leaks™ Plastic Pipe Sealant</b></p> <p>Item # 80725 2 fl. oz. tube 80724 7 fl. oz. tube 80726 1 pint brush-top can</p>	<p><b>Loctite® 565™ Thread Sealant</b></p> <p>Item # 56507 6 ml tube 56531 50 ml tube 56541 250 ml tube 56571 300 ml cartridge 56543 1 liter bottle 56566 10 liter bottle 35531 350 ml brush-top can</p>	<p><b>Loctite® 545™ Thread Sealant</b></p> <p>Item # 54505 0.5 ml capsule 32429 10 ml bottle 54531 50 ml bottle 54541 250 ml bottle</p>	<b>CHEMICAL RESISTANCE</b>
<p><b>Loctite® Pipe Joint Compound</b></p> <p>Item # 30556 0.25 pint brush-top can 30557 1 pint brush-top can</p>	<p><b>Loctite® 577™ Thread Sealant</b></p> <p>Item # 21456 50 ml tube 21457 250 ml tube</p>	<p><b>Loctite® 569™ Thread Sealant</b></p> <p>Item # 56931 50 ml bottle 56941 250 ml bottle 56943 1 liter bottle</p>	<p><b>Loctite® 571™ Thread Sealant</b></p> <p>Item # 57141 250 ml bottle</p>
<p><b>Loctite® H.V.A.C. Blue Pipe Joint Compound</b></p> <p>Item # 82480 0.25 pint brush-top can 82481 1 pint brush-top can</p>	<p><b>Loctite® 579™ Thread Sealant</b></p> <p>Item # 57941 250 ml tube</p>	<p><b>Loctite® 5452™ Fast Cure Hydraulic/Pneumatic Sealant</b></p> <p>Item # 1265769 50 ml tube 1265770 250 ml tube</p>	<b>SEMISOLID</b>
<b>NON-CURING</b>	<p><b>Loctite® Head Bolt &amp; Water Jacket Sealant</b></p> <p>Item # 1158514 50 ml tube</p>	<b>HIGH TEMPERATURE</b>	<p><b>Loctite® 561™ QuickStix™ PST® Pipe Sealant</b></p> <p>Item # 37127 19 g stick 1062125 30 g stick</p>
<p><b>Loctite® Thread Seal Tape with PTFE</b></p> <p>Item # 39904 1/2" x 520" x 0.003"</p>	<p><b>Loctite® 580™ PST® Thread Sealant</b></p> <p>Item # 58031 50 ml tube</p>	<p><b>Loctite® 567™ PST® Thread Sealant 400°F (204°C)</b></p> <p>Item # 56707 6 ml tube 56747 50 ml tube 56765 250 ml tube 33241 350 ml brush-top can 56790 1 liter bottle</p>	<p><b>Loctite® 5671™ QuickStix™ PST® Pipe Sealant</b></p> <p>Item # 1276167 19 g stick</p>
	<b>LOW HALOGEN</b>	<p><b>Loctite® 592™ PST® Thread Sealant 400°F (204°C)</b></p> <p>Item # 59214 6 ml tube 59231 50 ml tube 59241 250 ml tube 59243 1 liter bottle</p>	<b>OXYGEN COMPATIBLE</b>
	<p><b>Loctite® 5802™ High Purity Thread Sealant</b></p> <p>Item # 1313319 50 ml tube</p>	<p><b>Loctite® 5770™ Thread Sealant 530°F (277°C)</b></p> <p>Item # 1138284 50 ml tube 1138281 250 ml bottle</p>	<p><b>Loctite® Thread Sealant for Oxygen Compatible Systems</b></p> <p>Item # 1265761 50 ml tube</p>
	<p><b>Loctite® 5772™ Thread Sealant</b></p> <p>Item # 25524 50 ml bottle</p>		<p><b>Loctite® 271™ Oxy Threadlocker</b></p> <p>Item # 1317359 50 ml bottle</p>

Your Source for **THREADLOCKING  
& THREAD SEALING  
THREADLOCKERS**

- Prevents loosening from shock and vibration
- Single component – clean and easy to apply
- Can be used on various sizes of fasteners – reduces inventory costs
- Seals threads
- Stops rust and corrosion
- Available in a variety of viscosities and strengths for virtually any application



[ Low Odor ]

**Loctite® 2423™ Threadlocker**

LOW ODOR/MEDIUM STRENGTH **NEW**

Low odor formula for applications where odor may be an issue.

Item # 1134871 50 ml bottle

[ Low Strength ]

**Loctite® 222MS™ Threadlocker**

LOW STRENGTH/SMALL SCREW/PURPLE

Ideal for fastener diameters of 1/4 in. (6 mm) and smaller, long engagement length fasteners, and components requiring occasional adjustment. Apply to threaded parts before assembly. Controlled lubricity for accurate clamp loads. Parts can be disassembled with hand tools. Approved for use in or around food processing areas.

Item # 22205 0.5 ml capsule  
22221 10 ml bottle  
22231 50 ml bottle  
22241 250 ml bottle

[ Removable Strength ]

**Loctite® 242® Blue Threadlocker**

MEDIUM STRENGTH

Removable strength, general-purpose threadlocking adhesive well suited for fasteners between 1/4 in. to 3/4 in. diameter (6 mm to 20 mm). Applied to threaded components before assembly, Loctite® 242® Threadlocker has controlled lubricity for accurate clamp loads. Parts can be separated using hand tools. Approved for use in or around food processing areas.

Item # 24205 0.5 ml capsule    Item # 24241 250 ml bottle  
24221 10 ml tube            24243 1 liter bottle  
24231 50 ml bottle

**Loctite® 243™ Blue Threadlocker**

MEDIUM STRENGTH/PRIMERLESS

A general-purpose, medium strength threadlocker with improved temperature resistance. Does not require most fasteners to be pre-cleaned or primed before use. Suitable for 1/4 in. to 3/4 in. diameter (6 mm to 20 mm) fasteners.

Item # 1330255 0.5 ml capsule    Item # 1329505 250 ml bottle  
1329837 10 ml tube            1330333 1 liter bottle  
1329467 50 ml bottle

**Loctite® 246™ Threadlocker**

MEDIUM STRENGTH/HIGH TEMPERATURE

This threadlocker resists oil and mild surface contamination at continuous temperatures to 450°F. Suitable for 1/4 in. to 3/4 in. dia. (6 mm to 20 mm) fasteners.

Item # 29513 10 ml bottle  
29514 50 ml bottle  
29515 250 ml bottle

**Loctite® QuickStix™ 248™ Blue Threadlocker**

SEMISOLID/MEDIUM STRENGTH

New, patented semisolid stick formula offers added convenience and portability. Like Loctite® 242®, this threadlocker stick is well suited for 1/4 in. to 3/4 in. (6 mm to 20 mm) fasteners and is removable with hand tools. The semisolid formula also means it won't spill or leak.

Item # 37684 9 g stick  
37087 19 g stick

**Loctite® 2432™ Threadlocker**

LOW HALOGEN/LOW SULFUR

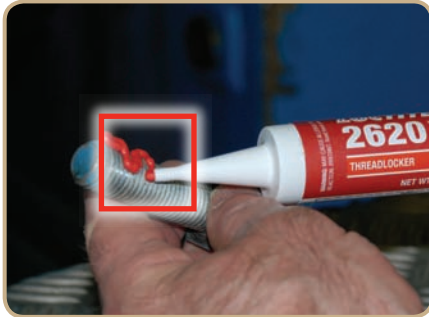
This medium strength threadlocker was specially developed for use on sensitive metals, like titanium, used in the nuclear industry. Parts can be separated using hand tools.

Item # 25523 50 ml bottle

Source's PICK

Source's PICK

Sources REVEALED



[ Industries ]

- Manufacturing
- Maintenance and Repair

WHEN SHOULD I USE A LOCTITE® PRIMER?

**Speed up cure** – Significantly speed up the cure time of Loctite® threadlockers when assembling metal parts that are cold, have large gaps or deep threads.

**Inactive metal assemblies\*** – When assembling metal parts with inactive surfaces, Loctite® primers are recommended to ensure proper performance of Loctite® threadlockers.

Please note: Loctite® Anaerobic Machinery Adhesives cure in the absence of air and presence of metal ions. When assembling inactive metal parts, which are low in metal ions, the use of Loctite® Primers are recommended to ensure proper performance of Loctite® Anaerobic Machinery Adhesives.

INACTIVE METALS* (PRIMERS RECOMMENDED)		ACTIVE METALS (PRIMERS OPTIONAL)
PLATED PARTS	SILVER	IRON
ANODIZED ALUMINUM (ALODINE, IRRIDITE)	GOLD	PLAIN STEEL
TITANIUM	ZINC	COPPER
STAINLESS STEEL	PURE	BRASS
GALVANIZED STEEL	ALUMINUM	BRONZE
MAGNETITE STEEL	CADMIUM	NICKEL
ICONEL®	MAGNESIUM	MANGANESE
	NATURAL OR CHEMICAL BLACK OXIDE	MONEL®
		KOVAR®

HELPFUL HINTS

THREADLOCKING

- Clean parts with Loctite® ODC-Free Cleaner & Degreaser before applying the adhesive.
- If the threadlocker will be applied below 40°F, pre-treat with Loctite® 7649™ Primer N™.
- If the parts were in contact with aqueous washing solutions or cutting fluids, which leave a protective layer on the surface, wash with hot water before use.

Is there a threadlocker for high temperature applications?

Yes, Henkel has threadlockers for applications below 300°F (150°C) and between 300°F (150°C) to 650°F (343°C). One example is Loctite® 2422™, a medium strength product for temperatures up to 650°F (343°C). Other high temperature products can be found in the Properties Chart.

Are there products that work well on oily parts?

There are several Loctite® products with oil-cutting capabilities. These include Loctite® 243™, 246™, 263™, 266™ and 294™ threadlockers. Use the Properties Chart to choose the one that is right for your application.

What do I do when I have a blind hole application?

The application method for blind hole assemblies requires that the product be applied to both parts. If the product is applied to the fastener only, air pressure will force the liquid threadlocker to escape as you torque down.

Do you have a product for inactive metals?

Loctite® 243™, 263™ and 2760™ threadlockers enable the assembly of inactive metals without the need to use a primer. These products are ideal for use on metals such as stainless steel, zinc, magnesium, black oxide, cadmium, anodized aluminum, passivated titanium and others.

How much time is needed for the adhesive to cure?

Most anaerobic adhesives attain full cure in around 24 hours but will fixture in less time. For cure speed of the various products, refer to the Properties Chart or to the Technical Data Sheets (TDS).

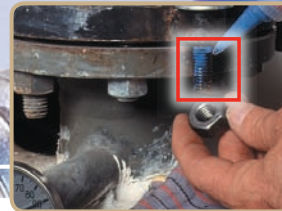
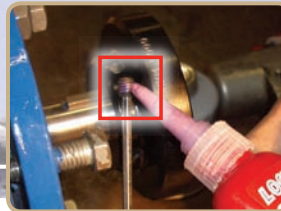
Can I use threadlockers on plastic threads?

For plastic fasteners, only use Loctite® 425™ Assure™ Instant Adhesive, a surface curing threadlocker.

When should I use a primer?

Primers help speed the curing process for faster return to service. For this reason, they can be used in any application but are most often used on less active metal surfaces. Alternatively, the use of Loctite® 243™, 263™ and 2760™ primerless products provides a fast cure on inactive surfaces.

Your Source for **THREADLOCKING  
& THREAD SEALING**  
**THREADLOCKERS**



[ High Lubricity ]

**Loctite® 2047™ Threadlocker**

**HIGH LUBRICITY/HIGH STRENGTH** **NEW**

Designed for applications on large fasteners over 7/8 in. (22 mm) in diameter. New formula has increased lubricity that reduces friction and allows proper clamp load to be achieved. High strength properties ensure clamp load is maintained when exposed to vibration.

Item # 1134607 50 ml bottle

[ High Strength ]

**Loctite® 262™ Threadlocker**

**MEDIUM TO HIGH STRENGTH**

A permanent, high strength product that is applied to fasteners up to 3/4 in. (20 mm) in diameter before assembly. High lubrication for easy assembly. Excellent for preventing rust and corrosion in extreme chemical/environmental conditions. Localized heat and hand tools are required to separate parts. Solvents will not weaken the adhesive bond. Approved for use in or around food processing areas.

Item # 26205 0.5 ml capsule  
26221 10 ml tube  
26231 50 ml bottle  
26241 250 ml bottle  
26243 1 liter bottle

Source's PICK

**Loctite® 263™ Red Threadlocker**

**HIGH STRENGTH/PRIMERLESS**

A general-purpose, high strength threadlocker with improved temperature resistance. Does not require most fasteners to be pre-cleaned or primed before use. Locks fasteners up to 1 in. (25 mm).

Item # 1330582 0.5 ml capsule  
1330583 10 ml bottle  
1330585 50 ml bottle  
1330335 250 ml bottle  
1330334 1 liter bottle

**Loctite® 266™ Threadlocker**

**HIGH STRENGTH/HIGH TEMPERATURE**

Fast fixturing threadlocker resists oil and mild surface contamination at temperatures to 450°F (232°C). Locks fasteners up to 3/4 in. (20 mm) in diameter.

Item # 26772 10 ml bottle  
26773 50 ml bottle  
26774 250 ml bottle

**Loctite® QuickStix™ 268™ Threadlocker – High Strength**

**SEMISOLID/RED**

Revolutionary semisolid stick formula is high strength and best suited for fasteners up to 3/4 in. (20 mm). Semisolid formula offers added convenience and portability. Localized heat and hand tools are required to separate parts.

Item # 37685 9 g stick  
37686 19 g stick

**Loctite® 271™ Threadlocker**

**HIGH STRENGTH**

A high strength, low viscosity threadlocker for fasteners up to 1 in. (25 mm) in diameter.

Item # 27105 0.5 ml capsule  
27121 10 ml bottle  
27131 50 ml bottle  
27141 250 ml bottle  
27143 1 liter bottle

**Loctite® 271™ Oxy Threadlocker**

**HIGH STRENGTH/OXYGEN COMPATIBLE**

BAM certified for low pressure oxygen system service. A high strength, low viscosity threadlocker for fasteners up to 1 in. (25 mm) in diameter.

Item # 1317359 50 ml bottle

**Loctite® 272™ Threadlocker**

**HIGH STRENGTH/HIGH TEMPERATURE**

Withstands temperatures to 450°F (232°C). Provides a fast cure on most surfaces, including “as received” fasteners. Recommended for bolts up to 1 1/2 in. (36 mm) in diameter. Heat and hand tools are required for disassembly.

Item # 37387 10 ml bottle  
27240 50 ml bottle  
27270 250 ml bottle  
27285 1 liter bottle

**Loctite® 277™ Threadlocker**

**HIGH STRENGTH**

Locks fasteners up to 1 1/2 in. (36 mm). Protects threads from rust and corrosion. Removable with heat and hand tools.

Item # 21434 10 ml bottle  
27731 50 ml bottle  
27741 250 ml bottle  
27743 1 liter bottle

**Loctite® 2760™ Threadlocker**

**FAST CURE/HIGH STRENGTH**

This threadlocker is particularly fast curing, eliminating the need for primers. It develops usable strength within one hour. Particularly suited for heavy duty applications where resistance to heavy shock, vibration, and stress levels is required.

Item # 37266 0.5 ml capsule  
32526 10 ml bottle  
32525 50 ml bottle  
32527 250 ml bottle  
32528 1 liter bottle

[ Medium Strength ]

**Loctite® 2046™ Threadlocker**

**FOOD COMPLIANT** **NEW**

Withstands temperatures to 450°F (232°C). Removable strength for easy service. Prevents galling and seizing. Primerless for stainless steel applications. Suitable for use on food equipment.

Item # 1186840 0.40 fl. oz. (12 ml)

[ High Temperature ]

**Loctite® 2422™ Threadlocker**

**MEDIUM STRENGTH** **NEW**

Lock and seal threaded fasteners in applications that require continuous temperature resistance of up to 650°F (343°C).

Item # 1134601 30 g syringe  
1134602 300 g cartridge

**Loctite® 2620™ Threadlocker**

**HIGH STRENGTH** **NEW**

Lock and seal threaded fasteners in applications that require continuous temperature resistance of up to 650°F (343°C).

Item # 1138282 30 g syringe

[ Plastic ]

**Loctite® 425™ Assure™ Instant Adhesive**

**SURFACE CURING THREADLOCKER**

Low strength, fast curing threadlocker for plastic fasteners. Can be used as a tamper-proofing agent for the head of screws. Can be applied before or after assembly.

Item #	42540	20 g bottle
	42561	1 lb. bottle

[ Wicking ]

**Loctite® 220™ Threadlocker**

**MEDIUM STRENGTH/BLUE**

A low viscosity threadlocking adhesive that allows the product to wick along the threads of pre-assembled fasteners. Perfect for fasteners up to 1/4 in. in diameter (6 mm).

Item #	37388	10 ml bottle
	39186	50 ml bottle
	22041	250 ml bottle

Source's PICK

**Loctite® 290™ Threadlocker**

**HIGH STRENGTH/GREEN**

A low viscosity, high strength threadlocker for pre-assembled bolts up to 1/2 in. (12 mm) to secure them in place. Penetrates threads by capillary action. Seals porosities in welds and metal parts. Secures set screws and other assemblies after settings are completed. Seals welds and porous metal parts. Protects threads from rust and corrosion. Localized heating and hand tools are needed for disassembly.

Item #	29005	0.5 ml capsule
	29021	10 ml bottle
	29031	50 ml bottle
	29041	250 ml bottle
	29043	1 liter bottle

**Loctite® 294™ Threadlocker**

**WICKING GRADE/HIGH TEMPERATURE**

Ideally suited for pre-assembled fasteners. Performs well on oily fasteners.

Item #	27935	10 ml bottle
	27936	50 ml bottle
	27937	250 ml bottle
	27944	1 liter bottle

[ Primers ]

**Loctite® 7649™ Primer N™**

Decreases the setup time of Loctite® threadlockers and increases breakaway torque on most fastener surfaces. Allows application of threadlockers in cold weather. Contains no ozone-depleting compounds.

Item #	19269	1.75 fl. oz. glass bottle
	21347	25 g net wt. aerosol
	21348	4.5 oz. net wt. aerosol
	19266	1 gallon can

**Loctite® 7088™ QuickStix™ Primer**

Semisolid, solventless primer. Very long on-part life and speeds the cure of anaerobic products. Eliminates potential spills. Works well with structural bonders.

Item #	1069258	17 g stick
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**CHOOSING THE RIGHT THREADLOCKER FOR YOUR APPLICATION**

How do I decide which threadlocker to use?

Loctite® threadlockers are available in many grades to satisfy a wide range of applications. To make grade selection easy, the grades are color-coded to help you identify one threadlocker from the other.



**LOW STRENGTH** – Purple color, removable with hand tools, good for adjustment screws, calibration screws, meters and gauges, and for fasteners up to 1/4 in. in diameter.



**MEDIUM STRENGTH** – Blue color, removable with hand tools, good for machine tools and presses, pumps and compressors, mounting bolts, gearboxes, and for fasteners up to 3/4 in. in diameter.



**HIGH STRENGTH** – Red color, for permanent assemblies, heavy equipment, suspension bolts, motor and pump mounts, bearing cap bolts and studs, and for fasteners up to 1 in. and larger in diameter.



**WICKING** – Green color, removable with heat and hand tools, for pre-assembled fasteners, instrumentation screws, electrical connectors, carburetors and fasteners up to 1/2 in. in diameter.

HELPFUL HINTS

Your Source for **THREADLOCKING & THREAD SEALING**  
**THREADLOCKERS**



[ Loctite® General-Purpose Threadlockers Properties Chart ]

KEY FACTORS	KEY FEATURES	TYPICAL USE	PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	COLOR	VISCOSITY (cP)†	TORQUE‡ in.-lbs. (break/prevail)	TEMP. RANGE	CURE SPEED (STEEL @ 25°C)	AGENCY APPROVALS
GENERAL-PURPOSE THREADLOCKERS	Low Strength	Small screws under 1/4"	<b>222™</b>	21463 21464	10 ml bottle 50 ml bottle	Purple	1,200 / 5,000 Thixotropic	53 / 30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A
	Medium Strength	1/4" to 3/4" bolts with light oil contamination	<b>243™</b>	1330255 1329837 1329467 1329505 1330333	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Blue	1,300 / 3,000 Thixotropic	180 / 62	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	CFIA
	Medium Strength	1/4" to 3/4" bolts, overhead, pre-dispensed, hard-to-reach areas	<b>QuickStix™ 248™</b>	37684 37087	9 g stick 19 g stick	Blue	Semisolid	110* / 43	-65°F to 300°F	Fixture – 10 min. (3 min. w/primer) Full – 24 hrs.	CFIA
	High Strength	Primerless, high strength	<b>263™</b> <b>NEW</b>	1330582 1330583 1330585 1330335 1330334	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Red	400 / 600	325 / 320*	-65°F to 300°F	Fixture – 4 min. Full – 24 hrs.	CFIA
	High Strength	Up to 3/4" bolts, overhead, pre-dispensed, hard-to-reach areas	<b>QuickStix™ 268™</b>	37685 37686	9 g stick 19 g stick	Red	Semisolid	220* / 34	-65°F to 300°F	Fixture – 20 min. (5 min. w/primer) Full – 24 hrs.	CFIA
	Wicking Grade	Medium/High Strength, wicking grade for pre-assembled parts	<b>290™</b>	29005 29021 29031 29041 29043	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Green	12	90 / 260	-65°F to 300°F	Fixture – 20 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, CFIA

[ Loctite® Specialty Threadlockers Properties Chart ]

KEY FACTORS	KEY FEATURES	TYPICAL USE	PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	COLOR	VISCOSITY (cP)†	TORQUE‡ in.-lbs. (break/prevail)	TEMP. RANGE	CURE SPEED (STEEL @ 25°C)	AGENCY APPROVALS
SPECIALTY THREADLOCKERS	High Temperature	High temperature, medium strength	<b>246™</b>	29513 29514 29515	10 ml bottle 50 ml bottle 250 ml bottle	Blue	2,600	170 / 48*	-65°F to 450°F	Fixture – 20 min. Full – 24 hrs.	N/A
	Food Compliant	For use in food & beverage applications	<b>2046™</b>	1186840	0.40 fl. oz. dual cartridge (12 ml)	Blue	Paste	111 / 60	-65°F to 400°F	Fixture – 90 min. Full – 24 hrs.	21 C.F.R. § 175.300
	Ultra High Temperature	Ultra high temperature, medium strength for 1/2" to 3/4" bolts	<b>2422™</b>	1134601 1134602	30 g syringe 300 g cartridge	Blue	Paste	102 / 12	-65°F to 650°F	Fixture – 90 min. Full – 24 hrs.	N/A
	Low Odor	Confined spaces / sensitive areas, for 1/4" to 3/4" bolts	<b>2423™</b>	1134871	50 ml bottle	Blue	1,600 Thixotropic	102 / 18	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	N/A
	Low Halogen/ Low Sulfur	For use in nuclear facilities	<b>2432™</b>	25523	50 ml bottle	Blue	300	150 / 53 (black oxide steel nuts and bolts)	-65°F to 300°F	Fixture – 30 min. Full – 24 hrs.	N/A

ITEMS IN RED = Source's PICK

= Indicates Worldwide Availability

\* Break loose value.  
\*\* For new designs.  
† Brookfield RVT spindle 3.20 RPM/25 RPM.  
‡ M10 steel nuts and bolts.

PLEASE NOTE: A complete line of surface primers is available. Refer to the Surface Preparation section.

[ Loctite® Specialty Threadlockers Properties Chart ]

KEY FACTORS	KEY FEATURES	TYPICAL USE	PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	COLOR	VISCOSITY (cP)†	TORQUE‡ in.-lbs. (break/prevail)	TEMP. RANGE	CURE SPEED (STEEL @ 25°C)	AGENCY APPROVALS
SPECIALTY THREADLOCKERS	High Strength	High Temperature	266™	26772 26773 26774	10 ml bottle 50 ml bottle 250 ml bottle	Red-Orange	3,750 to 9,000 Thixotropic	270 / 75	-65°F to 450°F	Fixture – 10 min. Full – 24 hrs.	CFIA
		High Temperature	272™	37387 27240 27270 27285	10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Red	9,500	200 / 220	-65°F to 450°F	Fixture – 30 min. Full – 24 hrs.	CFIA
		High Lubricity (Large Bolts)	2047™	1134607	50 ml bottle	Black	2,000 / 12,000 Thixotropic	375 / 80	300°F	Fixture – 90 min. Full – 24 hrs.	N/A
	Plastic	Oxygen Compatible	271™ Oxy	1317359	50 ml bottle	Red	Low pressure oxygen	250 / 275	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	BAM, ASTM D-5363**, CFIA
		Ultra High Temperature	2620™	1138282	30 g syringe	Red	Paste	161 / 10	-65°F to 650°F	Fixture – 30 min. Full – 24 hrs.	N/A
		Fast Cure/High Strength	2760™	37266 32526 32525 32527 32528	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Red	1,250 / 4,250 Thixotropic	325 / 320*	-65°F to 300°F	Fixture – 4 min. Full – 24 hrs.	CFIA

[ Loctite® MIL Spec Threadlockers Properties Chart ]

KEY FACTORS	TYPICAL USE	PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	COLOR	VISCOSITY (cP)†	TORQUE‡ in.-lbs. (break/prevail)	TEMP. RANGE	CURE SPEED (STEEL @ 25°C)	AGENCY APPROVALS	
MIL SPEC THREADLOCKERS	Low Strength	Easy removal, small screws under 1/4"	222MS™	22205	0.5 ml capsule	Purple	1,200 / 5,000 Thixotropic	53 / 30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, NSF P1, CFIA
				22221 22231 22241	10 ml bottle 50 ml bottle 250 ml bottle						
	Medium Strength	Removable grade, 1/4" up to 3/4" bolts	242°	24205	0.5 ml capsule	Blue	1,200 / 5,000 Thixotropic	110 / 43	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, ABS, CFIA
				24221 24231 24241 24243	10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle						
	High Strength	High strength locking, up to 3/4" bolts	262™	26205	0.5 ml capsule	Red	1,800 / 5,000 Thixotropic	189 / 275	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, NSF P1, ABS, CFIA
				26221 26231 26241 26243	10 ml tube 50 ml bottle 250 ml bottle 1 liter bottle						
				271™	27105 27121 27131 27141 27143						
Wicking Grade	Permanent for large bolts >7/8"	277™	21434	10 ml bottle	Red	7,000	275 / 275	-65°F to 300°F	Fixture – 60 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**	
			27731 27741 27743	50 ml bottle 250 ml bottle 1 liter bottle							
Wicking Grade	Low Strength Wicking grade for pre-assembled fasteners under 1/4"	220™	37388	10 ml bottle	Blue	20	85 / 170	-65°F to 300°F	Fixture – 6 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, CFIA	
			39186 22041	50 ml bottle 250 ml bottle							
Wicking Grade	Medium/High Strength, Wicking grade for pre-assembled parts	290™	29005	0.5 ml capsule	Green	12	90 / 260	-65°F to 300°F	Fixture – 20 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, CFIA	
			29021 29031 29041 29043	10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle							

ITEMS IN RED = Source's PICK

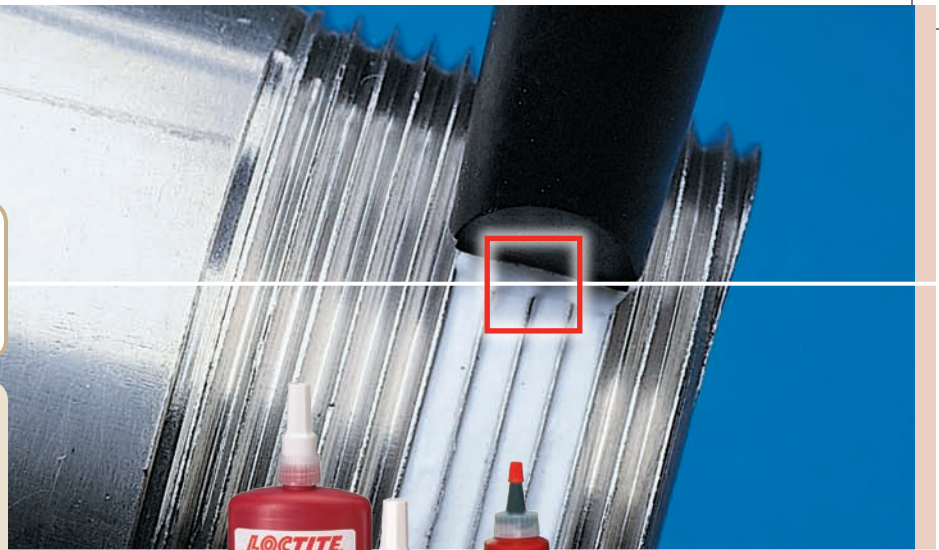
🌐 = Indicates Worldwide Availability

\* Break loose value.  
 \*\* For new designs.  
 † Brookfield RVT spindle 3.20 RPM/25 RPM.

PLEASE NOTE: A complete line of surface primers is available. Refer to the Surface Preparation section.

Your Source for **THREADLOCKING  
& THREAD SEALING  
THREAD SEALANTS**

- Prevents leaks
- Single component – quick and easy to apply
- Can be used on any size pipe fitting and seals to the burst strength of most piping systems
- Prevents corrosion and galling in threads
- Seals and secures metal pipes and fittings, filling the space between threaded metal parts and hardening to prevent leakage
- Designed for high and low pressure applications



[ General-Purpose ]

**Loctite® 564™ Thread Sealant**

**GENERAL-PURPOSE**

Cures rapidly to provide immediate low pressure sealing. Its lower strength allows easy disassembly, and is recommended even on larger (>2 in. [50 mm]) diameter pipes. Protects mated threaded areas from rust and corrosion.

Item #	28754	50 ml tube
	28755	250 ml tube
	34759	350 ml brush-top can

**Loctite® 577™ Thread Sealant**

**COARSE THREADS**

Medium strength, general-purpose sealant for use on coarse-threaded components.

Item #	21456	50 ml tube
	21457	250 ml tube

**Loctite® 579™ Thread Sealant**

**INSTANT SEAL**

A general-purpose pipe sealant that cures into a resistant plastic. Excellent solvent resistance. Withstands temperatures to 300°F (150°C). Sealing is effective on threaded joints up to 2 in. in diameter.

Item #	57941	250 ml tube
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**Loctite® 5770™ Thread Sealant**

**HIGH TEMPERATURE**

**NEW**

Designed to seal threaded pipe fittings in applications requiring continuous heat resistance up to 530°F (277°C). Ideal for applications in pressurized steam lines and boiler rooms.

Item #	1138284	50 ml tube
	1138281	250 ml bottle

**Loctite® 592™ PST® Thread Sealant**

**SLOW CURE**

Locks and seals threaded fittings. Parts may be repositioned up to 24 hours after application.

Item #	59214	6 ml tube
	59231	50 ml tube
	59241	250 ml tube
	59243	1 liter bottle

Source's PICK

**Loctite® 565™ PST® Thread Sealant**

**CONTROLLED STRENGTH**

Formulated specifically for metal tapered pipe thread fittings, this product cures rapidly to provide immediate low pressure sealing. Controlled lubricity prevents galling and protects from rust and corrosion. Can be used on fittings up to 2 in. (50 mm) in diameter.

Item #	56507	6 ml tube
	56531	50 ml tube
	56541	250 ml tube
	56571	300 ml cartridge
	35531	350 ml brush-top can
	56543	1 liter bottle
	56566	10 liter bottle

**Loctite® Head Bolt & Water Jacket Sealant**

Single-component anaerobic hybrid that lubricates fasteners during assembly, seals gaps between threads, eliminates corrosion, locks and eases removal of fasteners that are through-holes into water jackets.

Item #	1158514	50 ml tube
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[ High Temperature ]

**Loctite® 567™ PST® Thread Sealant**

**HIGH TEMPERATURE**

This product has excellent solvent resistance, allows easy assembly, prevents galling and can withstand temperatures up to 400°F (204°C). Excellent for high pressure applications: locks and seals tapered metal, pipe threads and fittings. Ideal for stainless steel, aluminum, galvanized metal and other inert metals. Disassembles with hand tools.

Item #	56707	6 ml tube
	56747	50 ml tube
	56765	250 ml tube
	33241	350 ml brush-top can
	56790	1 liter bottle

Source's PICK

[ Hydraulic Sealant ]

**Loctite® 542™ Thread Sealant**

**FINE THREADS**

A liquid sealant recommended for sealing the fine threads of hydraulic and pneumatic connectors.

Item #	21453	50 ml bottle
	37795	250 ml bottle

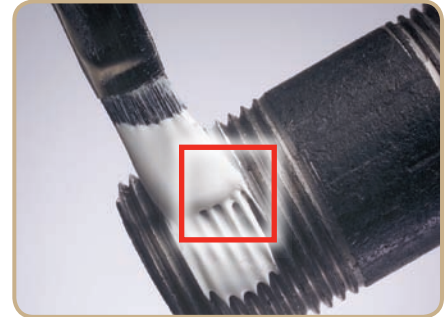
**Loctite® 5452™ Fast Cure Thread Sealant**

**FAST CURE HYDRAULIC/  
PNEUMATIC FITTINGS**

Contains no fillers or particles that could contaminate system fluids, foul valves, or clog fine filters and screens.

Item #	1265769	50 ml tube
	1265770	250 ml tube

Sources REVEALED



[ Industries ]

- Manufacturing
- Maintenance and Repair

Source's PICK

**Loctite® 545™ Thread Sealant**

**HYDRAULIC/PNEUMATIC FITTINGS**

Contains no fillers or particles that could contaminate system fluids, foul valves, or clog fine filters and screens. Suitable for fittings up to 2 in. (50 mm) in diameter. Excellent solvent resistance.

Item #	54505	0.5 ml capsule
	32429	10 ml bottle
	54531	50 ml bottle
	54541	250 ml bottle

**Loctite® Thread Sealant for Oxygen Compatible Systems**

A white paste for sealing threads in systems carrying oxygen. For use up to 30 bar (435 psi) at 140°F (60°C).

Item #	1265761	50 ml bottle
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[ Low Strength ]

**Loctite® 572™ Thread Sealant**

**LOW STRENGTH**

Low strength sealant with moderate fixture speed for use on coarse threads.

Item #	21454	50 ml tube
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[ Low Odor ]

**Loctite® 5451™ Thread Sealant**

**LOW ODOR**

Low odor formula suited for applications in sensitive areas or confined spaces.

Item #	1131756	50 ml tube
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[ Chemical Resistance ]

**Loctite® 554™ Thread Sealant**

**REFRIGERANT SEALANT**

Excellent solvent resistance on threaded fittings and pipes up to 3 in. in diameter. Recommended for refrigeration systems and service with aggressive chemicals.

Item #	25882	10 ml bottle
	55441	250 ml bottle

**Loctite® 571™ Thread Sealant**

**CHEMICAL RESISTANCE**

Medium strength thread sealant designed for locking and sealing against corrosive products. Shows excellent strength after long exposures to many chemicals.

Item #	57141	250 ml bottle
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[ Solvent-Based ]

**Loctite® Thread Sealant with PTFE**

A general-purpose sealant with the added lubricity of PTFE for metal pipes. Won't shred like tape and allows easy disassembly. Resists common shop fluids.

Item #	30534	0.25 pint brush-top can
	30561	1 pint brush-top can

**Loctite® Pipe Joint Compound**

Economical, general-purpose pipe thread sealant that will not shred like tape and allows easy disassembly. Resists common shop fluids.

Item #	30556	0.25 pint brush-top can
	30557	1 pint brush-top can

**Loctite® No More Leaks™ Plastic Pipe Sealant**

Seals plastic pipes and allows easy disassembly. Specially formulated without the added lubricity of PTFE to avoid typical cracks when plastic joints are overtightened.

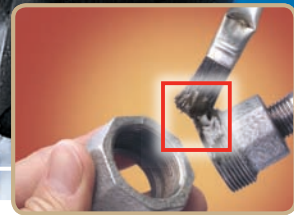
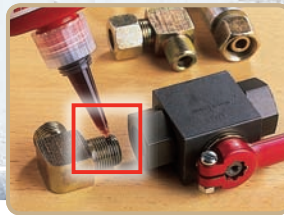
Item #	80725	2 fl. oz. tube
	80724	7 fl. oz. tube
	80726	1 pint brush-top can

**Loctite® H.V.A.C. Blue Pipe Joint Compound**

Tough, pliable sealant specially formulated for heating, air conditioning, and refrigeration applications. Sets up quickly for immediate assembly and keeps joints tight in areas of high vibration and thermal cycling. Seals oils, refrigerants, butane, propane, natural gas and more. Easy cleanup.

Item #	82480	0.25 pint brush-top can
	82481	1 pint brush-top can

Your Source for **THREADLOCKING  
& THREAD SEALING**  
**THREAD SEALANTS**



[ Semisolid Stick ]

**Loctite® QuickStix™ 561™  
PST® Pipe Sealant**

New, patented, semisolid stick formula offers added convenience and portability. Like Loctite® 565™ PST®, this product has immediate low pressure sealing, eases disassembly and will not contaminate or clog lines. The semisolid formula also means it won't spill or leak, making it great for overhead applications or carrying in a pocket or toolbox.

Item # 37127 19 g stick  
1062125 30 g stick

**Loctite® QuickStix™ 5671™  
PST® Pipe Sealant**

New, patented, semisolid stick formula offers added convenience and portability. Similar application characteristics of Loctite® QuickStix™ 561™ and is ideal for stainless steel, aluminum, galvanized metal and other inert metals.

Item # 1276167 19 g stick

[ Low Halogen ]

**Loctite® 580™ PST® Thread Sealant**  
**LOW SULFUR**

For threaded fittings in fossil fuel, solar and hydro plant piping systems.

Item # 58031 50 ml tube

**Loctite® 5772™ Thread Sealant**  
**LOW SULFUR**

A medium strength thread sealant with fast curing properties. Specially developed for use on sensitive metals, like titanium, used in the nuclear industry. Parts can be separated using hand tools.

Item # 25524 50 ml bottle

**Loctite® 5802™ Thread Sealant**  
**HIGH PURITY**

A high purity thread sealant formulated to meet the green limit requirements of the nuclear industry. A high viscosity, medium strength thread sealant low in impurities, such as halogens, sulfur and low melting point metals.

Item # 1313319 50 ml tube

[ Non-Curing ]

**Loctite® Thread Seal Tape with PTFE**  
Tape (1/2" x 520") with plastic spool and shell. Can be used in applications with temperatures up to 500°F. Oxygen service compatible.

Item # 39904 1/2" x 520" x 0.003"

[ Primer ]

**Loctite® 7088™ QuickStix™ Primer**  
Semisolid, solventless primer. Very long on-part life and speeds the cure of anaerobic products. Eliminates potential spills. Works well with structural bonders.

Item # 1069258 17 g stick

[ Loctite® Liquid Thread Sealants Properties Chart ]

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	TYPICAL USE	COLOR & APPEARANCE	VISCOSITY (cP)	TEMPERATURE RANGE	PRESSURE RESISTANCE (psi)	RECOMMENDED PRIMER	AGENCY APPROVALS	
GENERAL-PURPOSE	564™	28754 28755 34759	50 ml tube 250 ml tube 350 ml brush-top can	General-purpose, low strength for large diameter pipe	White	90,500	-65°F to 300°F	10,000	7088™, N™ or T™	NSF/ANSI 61, CFIA
	565™ PST®	56507 56531 56541 56571 35531 56543 56566	6 ml tube 50 ml tube 250 ml tube 300 ml cartridge 350 ml brush-top can 1 liter bottle 10 liter bottle	Controlled strength	White	300,000	-65°F to 300°F	10,000	7088™, N™ or T™	CSA International, UL Classified for U.S., ULC Classified for Canada, NSF/ANSI 61, CFIA
	577™	21456 21457	50 ml tube 250 ml tube	Medium strength, coarse threads	Yellow	24,000/80,000 Thixotropic	-65°F to 300°F	10,000	7088™, N™ or T™	N/A
	HEAD BOLT & WATER JACKET	1158514	50 ml tube	Single component anaerobic	Black	Paste	-65°F to 300°F	10,000	7088™, N™ or T™	N/A
	579™	57941	250 ml tube	Low strength, instant seal	Silver/Brown	20,000	-65°F to 300°F	10,000	7088™, N™ or T™	N/A
HIGH TEMPERATURE	567™ PST®	56707 56747 56765 33241 56790	6 ml tube 50 ml tube 250 ml tube 350 ml brush-top can 1 liter bottle	For stainless steel and all other metal fittings	White	540,000	-65°F to 400°F	10,000	7088™, N™ or T™	CSA International, UL Classified for U.S., ULC Classified for Canada, ABS, CFIA, NSF/ANSI 61
	5770™	1138284 1138281	50 ml tube 250 ml tube	High temperature	Off-White Paste	Paste	-65°F to 530°F	N/A	7088™, N™ or T™	N/A
	592™ PST®	59214 59231 59241 59243	6 ml tube 50 ml tube 250 ml tube 1 liter bottle	Medium strength	White	350,000	-65°F to 400°F	10,000	NFT™	CFIA
LOW ODOR	5451™	1131756	50 ml tube	Pneumatic/hydraulic sealant, no fillers	Purple	8,000/40,000	-65°F to 300°F	N/A	7088™, N™ or T™	N/A

ITEMS IN RED = Source's PICK

⊕ = Indicates Worldwide Availability

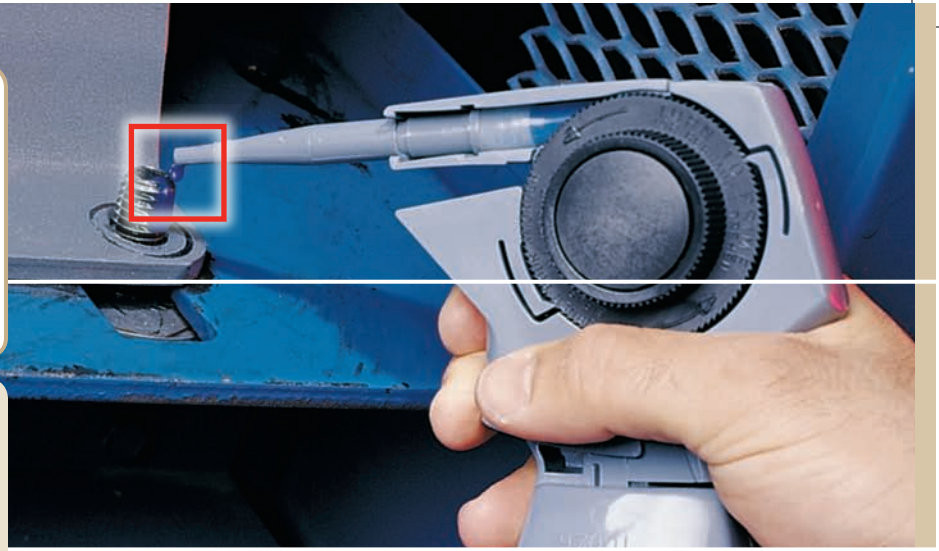
[ Loctite® Liquid Thread Sealants Properties Chart ]

	LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	TYPICAL USE	COLOR AND APPEARANCE	VISCOSITY (cP)	TEMPERATURE RANGE	PRESSURE RESISTANCE (psi)	RECOMMENDED PRIMER	AGENCY APPROVALS
HYDRAULIC & PNEUMATIC	542™	21453 37795	50 ml bottle 250 ml bottle	Fine threads	Brown	525/1,850 Thixotropic	-65°F to 300°F	10,000	7088™, N™ or T™	N/A
	545™	54505 32429 54531 54541	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle	Pneumatic hydraulic sealant, no fillers	Purple	14,000	-65°F to 300°F	10,000	7088™, N™ or T™	ABS, CFIA
	5452™ FAST CURE	1265769 1265770	50 ml tube 250 ml tube	Pneumatic hydraulic sealant, no fillers	Purple	29,000/200,000 thixotropic	-65°F to 300°F	10,000	7088™, N™ or T™	N/A
LOW HALOGEN	569™	56931 56941 56943	50 ml bottle 250 ml bottle 1 liter bottle	Original hydraulic sealant	Brown	400	-65°F to 300°F	10,000	7088™, N™ or T™	CFIA
	580™ PST®249	58031	50 ml tube	Low halogen, low sulfur, PTFE-free	White	600,000	-65°F to 300°F	10,000	N/A	N/A
	5772™	25524	50 ml bottle	Low halogen, low sulfur, medium strength, fast cure	Yellow	7,500	-65°F to 300°F	10,000	N/A	N/A
LOW STRENGTH	5802™	1313319	50 ml tube	Low halogen, high purity, medium strength, high viscosity	Off-White	Paste	-65°F to 300°F	10,000	N/A	N/A
	572™	21454	50 ml tube	Coarse threads	White	17,000/50,000 Thixotropic	-65°F to 300°F	10,000	7088™, N™ or T™	N/A
	554™	25882 55441	10 ml bottle 250 ml bottle	Refrigerant sealant, high strength	Red	2,500	-65°F to 300°F	10,000	7088™, N™ or T™	CFIA
CHEMICAL RESISTANCE	571™	57141	250 ml bottle	High strength, excellent solvent resistance	Brown	2,000	-65°F to 300°F	10,000	7088™, N™ or T™	Mil-S-22473E for existing designs, ASTM D-5363 for new designs
	QUICKSTIX™ 561™ PST®	37127 1062125	19 g stick 30 g stick	General-purpose, portable, overhead	White Paste	Semisolid	-65°F to 300°F	10,000	7088™, N™ or T™	UL Classified for U.S., ULC Classified for Canada, CSA International, CFIA, NSF/ANSI 61
SEMISOLID STICK	QUICKSTIX™ 5671™ PST®	1276167	19 g stick	Stainless steel and other metal fittings	Off-White Paste	Semisolid	-65°F to 300°F	10,000	7088™, N™ or T™	N/A
	THREAD SEALANT WITH PTFE	30534 30561	0.25 pint brush can 1 pint brush can	General-purpose, metal pipes, added lubricity	White Paste	50,000 to 60,000	-65°F to 300°F	5,000	N/A	CFIA
	PIPE JOINT COMPOUND	30556 30557	0.25 pint brush can 1 pint brush can	General-purpose, non-shredding, chemical resistant	Black Paste	35,000 to 45,000	-65°F to 400°F	5,000	N/A	N/A
SOLVENT-BASED	NO MORE LEAKS™	80725 80724 80726	2 fl. oz. tube 7 fl. oz. tube 1 pint brush can	Plastic pipes, easy disassembly	White Paste	90,000 to 110,000	-65°F to 400°F	5,000	N/A	CFIA
	H.V.A.C. BLUE PIPE JOINT COMPOUND	82480 82481	0.25 pint brush can 1 pint brush can	Heating, air conditioning, refrigeration	Blue Paste	20,000 to 30,000	-65°F to 400°F	5,000	N/A	CFIA
	THREAD SEAL TAPE WITH PTFE	39904	1/2" x 520" x 0.003"	General-purpose, oxygen service compatible	White Tape	N/A	Up to 500°F	Pressure Rating for Pipe	N/A	Conforms to MIL-T-27730
NON-CURING	THREAD SEALANT FOR OXYGEN COMPATIBLE SYSTEMS	1265761	50 ml bottle	Oxygen carrying systems	White Paste	Paste	60°C	30 bar 435 psi	N/A	BAM

ITEMS IN RED = Source's PICK

 = Indicates Worldwide Availability

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LOCTITE® PRODUCT		ITEM NUMBER	USED TO DISPENSE	PACKAGE TYPES & SIZES	VISCOSITY RANGE	PACKAGE TYPES & SIZES	CONSUMABLES – DISPENSE ACCESSORIES
<b>BOTTLE DISPENSING</b>							
	SOFT SQUEEZE BOTTLES	98345	All Fluids	2 fl. oz. packages	Low to Medium	Manual	N/A
		98346	All Fluids	4 fl. oz. packages			
		98347	All Fluids	8 fl. oz. packages			
	50 ML AND 250 ML HAND PUMPS	98414 97001	Retaining Compounds, Threadlockers	50 ml bottle 250 ml bottle	Low to Medium	Manual	Dispense Tips and Accessories – Pages 184-188
	1 LITER COLLAPSIBLE BOTTLE HOLDER	98311	Adhesives, Retaining Compounds, Threadlockers	1 liter collapsible bottle	Low to Medium	Manual	N/A
<b>TUBE DISPENSING</b>							
	50 ML-F TUBE SQUEEZE DISPENSER	1083845	Any 50 ml tube	50 ml tubes	Low to High	Manual	N/A








LOCTITE® PRODUCT		ITEM NUMBER	PRESSURE REGULATION	USED TO DISPENSE	PACKAGE TYPES & SIZES	VISCOSITY RANGE	LOW LEVEL SENSING	CONSUMABLES – DISPENSE ACCESSORIES	
<b>INTEGRATED RESERVOIR CONTROLLERS</b>									
	INTEGRATED SEMI-AUTOMATIC DISPENSER	1390322	0 to 15 psi	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics, Retaining Compounds, Threadlockers	250 ml bottle 1 lb. bottle 1 liter bottle 2 kg bottle 200 g squeeze tube	Low to Medium	Yes	Dispense Tips and Accessories – Pages 184-188	
		1390321	0 to 100 psi				Medium to High		Yes
<b>RESERVOIRS</b>									
	BOND-A-MATIC® 3000 RESERVOIR	982720	0 to 15 psi	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics, Retaining Compounds, Threadlockers	250 ml bottle 1 lb. bottle 1 liter bottle 2 kg bottle 200 g squeeze tube	Low to Medium	Yes	Dispense Tips and Accessories – Pages 184-188	
		982726					No		
		982723	0 to 100 psi				Medium to High		Yes
		982727					No		
	SHOT MISER™ RESERVOIR	98090	0 to 100 psi	Instant Adhesives, Light Cure/Acrylics, Retaining Compounds, Threadlockers	250 ml bottle 1 lb. bottle 200 g squeeze tube	Low to High	No		
	2.25 GALLON PRESSURE RESERVOIR	98359	0 to 60 psi	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics, Retaining Compounds, Threadlockers	250 ml bottle 1 lb. bottle 1 liter bottle 2 kg bottle 200 g squeeze tube	Low to Medium	No		
	4 LITER GRAVITY FEED RESERVOIR	982880	N/A	Retaining Compounds, Threadlockers	Direct Fill	Low to Medium	Yes		

LOCTITE® PRODUCT		ITEM NUMBER	DISPENSE PATTERNS	USED TO DISPENSE	PACKAGE TYPES & SIZES	VISCOSITY RANGE	VACUUM SUCK-BACK	CONSUMABLES – DISPENSE ACCESSORIES
<b>DISPENSE SYSTEMS</b>								
<b>PINCH TUBE APPLICATORS</b>								
	DIAL-A-SEAL® APPLICATORS	998400	N/A	Pipe Sealants	50 ml tube 250 ml tube 1 liter bottle	Medium to High	N/A	Dispense Tips and Accessories – Pages 184-188

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LOCTITE® PRODUCT		ITEM NUMBER	DISPENSE PATTERNS	USED TO DISPENSE	PACKAGE TYPES & SIZES	VISCOSITY RANGE	VACUUM SUCK-BACK	CONSUMABLES - DISPENSE ACCESSORIES	
DISPENSE SYSTEMS	<b>VOLUMETRIC BOTTLE DISPENSING</b>								
		BENCHTOP PERISTALTIC DISPENSER	98548	Dot, Drop, Bead	Instant Adhesives, Light Cure/Acrylics, Retaining Compounds, Threadlockers	Any	0 to 5,000 cP	N/A	Dispense Tips and Accessories - Pages 184-188
	<b>COMPLETE PRESSURE-TIME BOTTLE DISPENSE SYSTEM</b>								
		BOND-A-MATIC® 3000 DISPENSER 0-15 psi	982719	Dot, Drop, Bead	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics, Retaining Compounds, Threadlockers	200 ml bottle 1 lb. bottle 1 liter bottle 2 kg bottle 200 g squeeze tube	Low  Medium to High	N/A	Dispense Tips and Accessories - Pages 184-188
		BOND-A-MATIC® 3000 DISPENSER 0-100 psi	982722						
	SHOT MISER™ VALVE CONTROLLER	98079	Dot, Drop, Bead	Instant Adhesives, Light Cure/Acrylics, Retaining Compounds, Threadlockers	250 ml bottle 1 lb. bottle	Low to Medium	N/A		
	SHOT MISER™ DISPENSE VALVE	98085							
	SHOT MISER™ RESERVOIR	98090							

LOCTITE® PRODUCT		ITEM NUMBER	TYPE	VISCOSITY RANGE	DISPENSE PATTERNS	USED TO DISPENSE	STROKE ADJUSTMENT	ACTUATION	CONSUMABLES - DISPENSE ACCESSORIES	
HANDHELD VALVES	<b>GENERAL-PURPOSE APPLICATORS</b>									
		LV HAND-HELD APPLICATOR	97130	Pneumatic	Low	Drop, Dot, Bead	Instant Adhesives, Retaining Compounds, Threadlockers	Yes	Foot	Dispense Tips and Accessories - Pages 184-188
	<b>GENERAL-PURPOSE APPLICATORS</b>									
		MANUAL HAND-HELD APPLICATOR	97111	Manual	Low to Medium	Drop, Dot, Bead	Light Cure/Acrylics, Retaining Compounds, Threadlockers	Yes	Finger	Dispense Tips and Accessories - Pages 184-188
		PNEUMATIC HAND-HELD APPLICATOR	97112	Pneumatic	Low to Medium	Drop, Dot, Bead	Light Cure/Acrylics, Retaining Compounds, Threadlockers	Yes	Foot	
	PNEUMATIC HAND-HELD APPLICATOR	97116	Pneumatic	Low to Medium	Drop, Dot, Bead	Light Cure/Acrylics, Retaining Compounds, Threadlockers	Yes	Finger		
<b>GENERAL-PURPOSE APPLICATORS</b>										
	VARI-DROP™ APPLICATORS	97131 97132	Pinch Tube	Low to Medium	Drop, Dot, Bead	Instant Adhesives, Retaining Compounds, Threadlockers	Yes	Finger	Dispense Tips and Accessories - Pages 184-188	

LOCTITE® PRODUCT		ITEM NUMBER	TYPE	VISCOSITY RANGE	DISPENSE PATTERNS	USED TO DISPENSE	STROKE ADJUSTMENT	SUCK-BACK	CONSUMABLES - DISPENSE ACCESSORIES	
VALVES & PUMPS	<b>HIGH PRECISION VALVES</b>									
		STATIONARY APPLICATOR VALVE	97113 97114	High Precision	Low to Medium	Drop, Dot, Bead	Gel Instant Adhesives, Instant Adhesives, Retaining Compounds, Threadlockers	Yes	Yes	Dispense Tips and Accessories - Pages 184-188
	<b>HIGH PERFORMANCE DIAPHRAGM VALVES</b>									
		LIGHT CURE DISPENSE VALVE	98009	High Performance Diaphragm	Low to Medium	Drop, Dot, Bead	Instant Adhesives, Retaining Compounds, Threadlockers	Yes	No	Dispense Tips and Accessories - Pages 184-188
		CYANOACRYLATE DISPENSE VALVE	98013	High Performance Diaphragm	Low to Medium	Drop, Dot, Bead, Microdot	Instant Adhesives, Retaining Compounds, Threadlockers	Yes	No	
	<b>GENERAL DUTY DIAPHRAGM VALVES</b>									
		DIAPHRAGM VALVE	97135 97136	General Duty Diagram	0 to 2,500 cP	Drop, Dot, Bead	Light Cure/Acrylics, Instant Adhesives, Retaining Compounds, Threadlockers	No	No	Dispense Tips and Accessories - Pages 184-188
					2,500 to 5,000 cP					
	<b>HIGH VISCOSITY FLUID AND PASTE VALVES</b>									
	POPPET VALVE	986300	High Viscosity Fluid and Paste	Medium to High	Drop, Bead	Anaerobic Gasketing, Retaining Compounds, Threadlockers	Yes	Yes	Dispense Tips and Accessories - Pages 184-188	
<b>PINCH TUBE VALVE</b>										
	SHOT MISER™ DISPENSE VALVE	98085	Pinch Tube Valve	Low to Medium	Drop, Dot, Bead	Instant Adhesives, Retaining Compounds, Threadlockers	No	No	Dispense Tips and Accessories - Pages 184-188	
<b>POSITIVE DISPLACEMENT PUMP</b>										
	POSITIVE DISPLACEMENT PUMP	983330	Positive Displacement Valve	Low to Medium	Drop	Retaining Compounds, Threadlockers, Any single-component, non-moisture-curing, low-to-medium viscosity fluid (<100,000 cP)	Yes	No	Dispense Tips and Accessories - Pages 184-188	