

Threadlocking

Invented by Loctite Corporation, now Henkel Corporation, as a revolutionary method to lock and seal threaded fasteners, Loctite® brand liquid threadlockers have found wide acceptance in a range of applications – from delicate electronic components to heavy construction equipment. Loctite® brand threadlockers are available in varying viscosities and strengths for virtually any application, including exposure to extreme environments.



LOW STRENGTH

LOCTITE® 222MS™ THREADLOCKER

Low Strength/Small Screw

Ideal for fastener diameters of ¼" (6 mm) and smaller. Controlled lubricity for accurate clamp loads. Parts can be separated using hand tools.



HIGH STRENGTH

LOCTITE® 2760™ THREADLOCKER

Primerless/High Strength

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



WICKING GRADE

LOCTITE® 290™ THREADLOCKER

Wicking Grade

A medium strength threadlocker for pre-assembled bolts up to ½" (12 mm). Penetrates threads by capillary action. 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.



REMOVABLE STRENGTH

Loctite® 2440™ Threadlocker

Primerless/Medium Strength

This threadlocker is particularly fast curing, eliminating the need for primers. Performs well on all substrates. It develops useable strength within one hour. Parts can be separated using hand tools.



Loctite® Brand Liquid Threadlockers Properties Chart

PRODUCT	Item Number	Container	TYPICAL USE	COLOR	VISCOSITY (cP) †	TORQUE IN./LBS. (M10 STEEL NUTS & BOLTS) BREAK/PREVAIL	TEMPERATURE RANGE	CURE SPEED (STEEL AT 25°C)	OIL TOLERANT	RECOMMENDED PRIMER	SPECIFIC GRAVITY	AGENCY APPROVALS	
LOW STRENGTH	222™	21463	10 ml bottle	Small screws under ¼"	Purple	1,200/5,000 Thixotropic	53/30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	N™ or T™	1.05	N/A
		21464	50 ml bottle										
	222MS™	22205	0.5 ml capsule	Easy removal, small screws under ¼"	Purple	1,200/5,000 Thixotropic	53/30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	N™ or T™	1.05	MIL-S-46163A for existing designs, ASTM D-5363**, NSF P1, CFIA
		22221	10 ml bottle										
22231		50 ml bottle											
	22241	250 ml bottle											
REMOVABLE STRENGTH	242®	24205	0.5 ml capsule	Removable grade, up to ¼" to ¾" bolts	Blue	1,200/5,000 Thixotropic	110/43	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	N™ or T™	1.07	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, ABS, CFIA
		24221	10 ml bottle										
		24231	50 ml bottle										
		24241	250 ml bottle										
		24243	1 liter bottle										
	243™	23977	0.5 ml capsule	For ¼" to ¾" bolts with light oil contamination	Blue	2,250/12,000 Thixotropic	180/62	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	N/A	N™ or T™	1.08	NSF/ANSI 61, CFIA
	24077	10 ml bottle											
	24078	50 ml bottle											
	24079	250 ml bottle											
	21433	1 liter bottle											
246™	29513	10 ml bottle	High temperature, medium strength	Blue	2,600	170/48*	-65°F to 450°F	Fixture – 20 min. Full – 24 hrs.	Yes	N™ or T™	1.15	N/A	
	29514	50 ml bottle											
	29515	250 ml bottle											
2432™	25523	50 ml bottle	Low halogen, low sulfur, medium strength	Blue	300	150/53	-65°F to 300°F	Fixture – 30 min. Full – 24 hrs.	N/A	N/A	1.08	N/A	
2440™	33946	10 ml bottle	Primerless, medium strength	Blue	1,800/6,800 Thixotropic	215/53*	-65°F to 300°F	Fixture – 3 min. Full – 24 hrs.	N/A	N™ or T™	1.10	N/A	
	33947	50 ml bottle											
	33948	250 ml bottle											
HIGH STRENGTH	262™	26205	0.5 ml capsule	High strength locking, up to ¾" bolts	Red	1,800/5,000 Thixotropic	189/275	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	N/A	N™ or T™	1.05	MIL-S-46163A for existing designs, ASTM D-5363**, NSF P1, ABS, CFIA
		26221	10 ml tube										
		26231	50 ml bottle										
		387015	250 ml bottle										
		26243	1 liter bottle										
	266™	26772	10 ml bottle	High strength, high temperature	Red-Orange	3,750 to 9,000	270/75	-65°F to 450°F	Fixture – 10 min. Full – 24 hrs.	Yes	N™ or T™	1.19	CFIA
	26773	50 ml bottle											
	26774	250 ml bottle											
271™	27105	0.5 ml capsule	High strength for fasteners up to 1" diameter	Red	500	250/275	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	N™ or T™	1.10	MIL-S-46163A for existing designs, ASTM D-5363**, UL Classified for U.S., CFIA	
	27121	10 ml bottle											
	27131	50 ml bottle											
	27141	250 ml bottle											
	27143	1 liter bottle											
272™	335304	50 ml bottle	High temperature applications	Red	9,500	200/220	-65°F to 450°F	Fixture – 30 min. Full – 24 hrs.	N/A	N™ or T™	1.11	CFIA	
	27270	250 ml bottle											
	27285	1 liter bottle											
277™	21434	10 ml bottle	High strength for large bolts	Red	7,000	275/275	-65°F to 300°F	Fixture – 60 min. Full – 24 hrs.	N/A	N™ or T™	1.12	MIL-S-46163A for existing designs, ASTM D-5363**	
	27731	50 ml bottle											
	27741	250 ml bottle											
	27743	1 liter bottle											
2760™	32526	10 ml bottle	Primerless, high strength	Red	2,900/10,000 Thixotropic	325/320*	-65°F to 300°F	Fixture – 4 min. Full – 24 hrs.	N/A	N™ or T™	1.15	CFIA	
	32525	50 ml bottle											
	32527	250 ml bottle											
	32528	1 liter bottle											
WICKING GRADE	220™	37388	10 ml bottle	Wicking grade for small, pre-assembled fasteners under ¼"	Blue	20	85/170	-65°F to 300°F	Fixture – 6 min. Full – 24 hrs.	No	N™ or T™	1.08	MIL-S-46163A for existing designs, ASTM D-5363**, CFIA
		39186	50 ml bottle										
		22041	250 ml bottle										
290™	29005	0.5 ml capsule	Wicking grade for preassembled parts	Green	12	85/250	-65°F to 300°F	Fixture – 6 min. Full – 24 hrs.	N/A	N™ or T™	1.08	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, CFIA	
	29021	10 ml bottle											
	232085	50 ml bottle											
	235226	250 ml bottle											
	29043	1 liter bottle											
294™	27934	0.5 ml capsule	High temperature, wicking grade	Green	34	289/237	-65°F to 450°F	Fixture – 6 min. Full – 24 hrs.	Yes	N™ or T™	1.13	N/A	
	27935	10 ml bottle											
	27936	50 ml bottle											
	27937	250 ml bottle											
PLASTIC	425™ Assure™	42540	20 g bottle	For small metal and plastic fasteners and tamper-proofing	Blue	80	4/2	-65°F to 180°F	Fixture – 1.5 min. Full – 24 hrs.	N/A	N/A	1.10	N/A
	42561	1 lb. bottle											

* Breakloose value. † Brookfield RVT spindle 3.20 RPM/25 RPM. ** For new designs.



Indicates worldwide availability.



Indicates TOP CHOICE products.