

THREAD SEALING



Loctite® brand liquid thread sealants seal and secure metal pipes and fittings, filling the space between threaded metal parts and curing to prevent leakage. Designed for low and high pressure applications, liquid thread sealants seal instantly for low pressure testing. When fully cured, they seal to the burst strength of most piping systems.

FEATURES & BENEFITS

Complete Seal – Fills voids between threads creating a 100% seal, preventing leakage caused by vibrational loosening, temperature cycling, corrosion and extreme pressures.

Locks & Seals in any Position – Seals independent of assembly torque allowing correct alignment of fittings.

Does Not Block Pipe System – Uncured anaerobic sealant is completely soluble in hydraulic fluid, diesel oils, petrols and most industrial chemicals.

Instant Low Pressure Seal – Suitable for immediate operation or low pressure testing of newly sealed threads.

Lubricates During Assembly – Eliminates risk of overstressing fittings or castings, common with alternative thread sealing methods.

Easy Application & Disassembly – Simply apply directly to the thread and assemble. Excess sealant can be wiped away without solvents or chemicals. Disassembled with hand tools.

Replaces most tapes and hemp/paste combinations.

DID YOU KNOW?

Industry loses millions of dollars annually due to leakage of fluids through pipe and tubing. Loctite® brand sealants prevent fluid loss, minimising cost of wastage, maintenance and down-time.

The table below details the significant potential cost of a leaking hydraulic fitting over a one year period.

Leakage Rate	Loss per Day (ltr)	Loss per Year (ltr)	Annual Cost (\$/Year)
One drop in 10 sec.	0.56	204.98	\$1,025
One drop in 5 sec.	1.12	409.97	\$2,050
One drop per sec.	5.62	2049.84	\$10,250

Based on Hydraulic Fluid: \$5.00 / litre



THREAD SEALING

- » REPLACES TAPES AND PASTES
- » LIQUIDS ENSURE COMPLETE CONTACT BETWEEN THREADS FOR A 100% SEAL
- » LIQUIDS WILL NOT CREEP, SHRINK, SHRED OR BLOCK SYSTEMS (INCLUDING FILTERS)
- » DISASSEMBLY CAN BE ACHIEVED EASILY WITH BASIC HAND TOOLS

► ARE THE PIPE THREADS METAL OR PLASTIC?

	Plastic (or Metal & Plastic)		
WHAT WILL FLOW THROUGH PIPES?	Water only		Hydraulic /
WILL OPERATING PRESSURE EXCEED 300KPA?	Yes	No	
ARE THE THREADS FINE OR COARSE?	Up to 100mm (4")		Fine - up to 19mm (3/4")
WHAT APPROVALS ARE REQUIRED?	Potable Water/Gas		Gas
UNIQUE FEATURES	Allows Back off to Align Fittings	Hot & Cold Water	Will not contaminate critical assemblies
► HENKEL SOLUTIONS	LOCTITE® 55	LOCTITE® 5331	LOCTITE® 569
Description	Cord	White Paste	Brown Liquid
Maximum Thread Size	100mm (4")	76mm (3")	19mm (3/4")
Instant Low Pressure Seal	Yes	Yes (up to 50kPa)	No
Temperature Range	-54°C to +150°C	-54°C to +150°C	-54°C to +150°C
Disassembly Strength	Low	Low	Low
Recommended Primer	-	-	7471/7649
Package Size & IDH	150 m spool - 473136	100 ml tube - 142492	50 ml bottle - 234473 250 ml bottle - 234475

*For further information refer to product Technical data Sheet.



Faster, more versatile pipe sealant which out-dates traditional tapes and hemp/pastes combinations. Provides an instant seal and allows back-off to align fittings.

Approvals

- Plumbing Safety License AS/NZS 4020:2002 Cert No. 8638 (Potable Water)
- AGA Certificate 6007 to 2400kPa (Gas).



Recommended for use on low pressure threaded plastic or plastic/metal fittings carrying hot or cold water.

Approvals

- German DVGW No 96.07e125 (Gas & Potable Water)
- German KTW (Potable Water)
- WRC approved to 85°C (Potable Water)

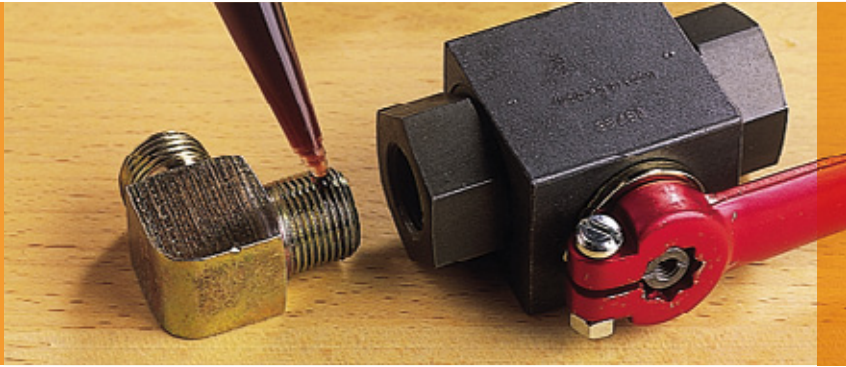







Recommended for fine threaded fittings as used in hydraulic and pneumatic applications.

Approvals

- AGA Certificate 3375 to 1050kPa (Gas)

Refer to page 32 for Application Procedures.



Metal Only				
Pneumatic	General Use			Steam/Gas
Yes				
Coarse - up to 25mm (1")	Coarse - up to 25mm (1")	Coarse - up to 76mm (3")		76mm (3")
No	No	Potable Water/Gas	Gas	No
Locks Threads (25Nm)	Overhead Applications	Locks Thread (17Nm)	High Temperature +204°C	For Steam Applications, high temperature
LOCTITE® 542	LOCTITE® 561	LOCTITE® 577	LOCTITE® 567 PST™	LOCTITE® 5770
Brown	Off White	Yellow	White	Off White
25mm (1")	25mm (1")	76mm (3")	76mm (3")	76mm (3")
No	Yes	Yes	Yes	Yes
-54°C to +150°C	-54°C to +150°C	-54°C to +150°C	-54°C to +204°C	-54°C to +280°C
Medium	Medium	Medium	Low	High
7471/7649	7471/7649	7649	7649/7471	7471
10 ml bottle - 470771 50 ml bottle - 1560050	19 g stick - 943428	50 ml tube - 229930 250 ml tube - 281823	6 ml tube - 234451 50 ml bottle - 473168 250 ml bottle - 234453	50 ml tube - 1365034
				
Recommended for threaded fittings as used in hydraulic and pneumatic installations. Approvals • German DVGW No 96.02e125 (Gas & Potable Water) • BS 6956 Type A (Gas) • WRC approved to 85°C (Potable Water)	Semi-solid stick formula offers added convenience and portability. Formulated for fast, reliable curing on metal, tapered pipe threads and fittings. Provides high pressure sealing at operating temperatures up to 150°C.	Recommended for all coarse metal threads. Suitable for applications at low temperatures requiring fast cure. Approvals • Plumbing Safety License AS/ NZS 4020:2002 Cert No. 20079 (Potable Water) • AGA Certificate 4787 to 2600kPa (Gas)	Recommended for all coarse metal threads where slow cure is required to prolong time frame for adjusting valves and fittings. Approvals • AGA Certificate 3207 to 1050kPa (Gas)	High temperature thread sealant, designed to seal threaded pipe fittings in applications requiring continuous heat resistance of up to 280°C.