

LOCTITE®



MAINTENANCE SOLUTIONS

Henkel

A trusted partner in manufacturing & maintenance.

LOCTITE adhesives and sealants are engineered to meet a broad range of applications. With our world-class, innovative product technologies and our extensive industry experience, Henkel can help you optimize product performance and reduce overall costs.





TABLE OF CONTENTS

THREADLOCKING Prevent fastener loosening and seizure	4	
THREAD SEALING Prevent leaks - air, hydraulic pipe joints	6	
GASKETING Prevent flange leaks - oil, transmission, coolant	8	
RETAINING Prevent backlash - Keyway wallow, spun bearings, shaft misalignment, wear, corrosion	10	
INSTANT BONDING Bond dissimilar parts	12	
METAL AND CONCRETE REPAIR Repair and rebuild metal and concrete surface	14	
PROTECTIVE COATINGS AND COMPOUNDS Protection against corrosion and wear of surfaces	16	
ANTI-SEIZE LUBRICANTS Prevent rust, corrosion, galling or seizing on metal parts in extreme environments	18	
CLEANING Clean and degrease parts and work surfaces	20	
ADDITIONAL PRODUCTS Products for other key applications	22	
NEW PRODUCTS		24
PROTECTION THROUGHOUT YOUR FACILITY		26
SOLUTIONS TO COMMON MAINTENANCE CHALLENGES		28
PRODUCT ORDERING INFORMATION		30
PROPERTIES CHART		31

THREADLOCKING

Locking of threaded fasteners

▶ ARE THE PARTS ALREADY ASSEMBLED?

Helpful Hints:

- Clean parts with LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser before applying the adhesive.
- If the threadlocker will be applied below 5°C, pre-treat with LOCTITE® 7649 Primer N.
- If the parts were in contact with aqueous washing solutions or cutting fluids that leave a protective layer on the surface, wash with hot water before use.

YES

Wicking - Green

▶ HENKEL SOLUTIONS

LOCTITE® 290

Fastener Size	1/16" TO 1/2" (M2 TO M12)
Strength	High
Cure Time (Fixture/Full Strength)*	20 min./24 hr.
Breakaway/Prevail Torque (N.m)	10/29
Temperature Resistance for Continuous Service	150°C
Package Size & IDH	50 ml bottle - 531724 250 ml bottle - 848069

* Typical value @ 22°C

ADDITIONAL PRODUCTS

Name	Strength/ Color	Breakaway/ Prevail Torque [N.m]	Features
LOCTITE® 220	Low - Blue	9/19	Removable grade, wicking, for small threads of 1/4" (M6) or smaller
LOCTITE® 270	High - Red	26/36	Fasteners up to 3/4" (M20)
LOCTITE® 271	High - Red	28/31	Fasteners up to 1" (Up to M25)
LOCTITE® 272	High - Orange	22/24	High Temp up to 11/2" (M36)



Recommended for locking pre-assembled fasteners, i.e. instrumentation screws, electrical connectors, and set screws. Also seals porosities in welds and metal parts.

LOCTITE® PRIMERS

Use LOCTITE® Primer to:

1. Activate inactive surfaces.
2. Speed cure times for faster return to service.
3. Speed curing through larger gaps and deep threads.
4. Substantially speed cure times on cold parts.
5. Act as a cleaning agent.









- PREVENTS LOOSENING FROM SHOCK AND VIBRATION
- SINGLE COMPONENT – CLEAN AND EASY TO APPLY
- CAN BE USED ON VARIOUS SIZES OF FASTENERS – REDUCES INVENTORY COSTS
- FILLS GAP BETWEEN THREADS AND UNITIZES THE ASSEMBLY
- STOPS RUST AND CORROSION



NO

What strength do you require?

Low - Purple	Medium - Blue	High - Red	Permanent - Red
	Oil tolerant		
LOCTITE® 222	LOCTITE® 243 	LOCTITE® 263 	LOCTITE® 277
Up to 1/4" (Up to M6)	1/4" to 3/4" (M6 to M20)	Up to 1"	For large bolts > 7/8" (>20mm)
Low	Medium	High	Permanent
10 min./24 hr.	10 min./24 hr.	10 min./24 hr.	60 min./24 hr.
6/3	20/7	32/32	31/31
150°C	180°C	180°C	150°C
50 ml bottle - 848063 250 ml bottle - 848062	10 ml bottle - 1427418 50 ml bottle - 1367282 250 ml bottle - 531707 1 litre bottle - 833788	50 ml bottle - 1367281 250 ml bottle - 1511183	50 ml bottle - 531723 250 ml bottle - 531722
			
Recommended for low strength threadlocking of adjustment screws, countersunk head screws, and set screws; on collars, pulleys, tool holders, and controllers. Also for low strength metals such as aluminum or brass.	With improved oil tolerance, LOCTITE® 243 Threadlocker is effective on all types of metal threaded fasteners. Prevents loosening on vibrating parts such as pump, motor mounting bolts, gear boxes, or presses. Removable with hand tools.	Engineered to cure consistently on a variety of metals, despite minor surface contaminants. Works on steel, stainless steel and most plated fasteners. Tolerates thread lubrication, anti-corrosion and protection fluids. Heat required for removal.	High strength adhesive for locking and sealing large bolts and studs 1" (25 mm) or larger in diameter. Heat may be required to weaken bond before parts can be disassembled.

Name	Color	Viscosity	Base	On-Part Life	Dry Time	Package Size & IDH	Primer is optional with: Active surfaces: Brass, copper, bronze, iron, soft steel, nickel.
7649 Primer N	Clear/Green	2	Acetone	30 days	30 to 70 seconds	100 ml - 849297	Primer is required with: Inactive surfaces: Aluminum, stainless steel, magnesium, zinc, black oxide, cadmium, titanium, and others.
7471 Primer T	Amber	2	Acetone/ Isopropanol	7 days	30 to 70 seconds	100 ml - 849296	

THREAD SEALING

Preventing gas and liquid leaks

▶ ARE THE PARTS METAL OR PLASTIC?

Helpful Hints:

- If the sealant (LOCTITE® 545 Thread Sealant, LOCTITE® 565 Thread Sealant, LOCTITE® 567 Thread Sealant, or LOCTITE® 561 Pipe Sealant) will be applied below 5°C, pre-treat with LOCTITE® 7649 Primer N.
- All parts must be clean and dry before sealing - use LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser.

**PLASTIC AND/
OR METAL**

Cord

▶ HENKEL SOLUTIONS

LOCTITE® 55

Description	Cord
Maximum Thread Size	4" (10.16 cm)
Temperature Resistance	150°C
Maximum Pressure Resistance (N/mm ²)/Cure Time	10,000 psi (68.9)/instant
Substrate to be Sealed	Metal, Plastic or Both
Instant Low Pressure Seal	Yes
Package Size & IDH	150 metres - 1752446

ADDITIONAL PRODUCTS

Name	Features
LOCTITE® 572	Easy application by hand. Slow curing. For use on construction pipe sealing.
LOCTITE® 545	Low strength, fast curing for hydraulic / Pneumatic fittings.








Can be safely applied on metal and plastic threaded fittings. Potable water: NSF/ANSI 61 UL Listed and Certified to CSA International. **

- 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
- REPLACES TAPES AND PASTES



METAL PARTS

Are the threads fine or coarse?

Fine		Coarse	
LOCTITE® 542 [Hydraulic & Pneumatic]		LOCTITE® 565	LOCTITE® 567 
Brown Liquid		White to off White Paste	White Paste
Up to 3/4" (1.90 cm)		Up to 2" (5.08 cm)	3" (7.62 cm)
150°C		150°C	250°C
10,000 psi (68.9)/24 hrs.		10,000 psi (68.9)/72 hrs.	10,000 psi (68.9)/72 hrs.
Metal		Metal	Stainless Steel, Aluminum
No		Yes	Yes
50 ml bottle - 848735 250 ml bottle - 848736		50 ml bottle - 1751917 250 ml bottle - 1752552	50 ml bottle - 2146962 250 ml bottle - 2146695
			
Recommended for fine threaded fittings as used in hydraulic and pneumatic installations and small fittings in general. Carries German DVGW approval (NG-5146 AR 0855) Meets BS 6956 type A for sealing gas fittings. **		A general-purpose instant sealant for tapered and straight/tapered fittings.	Withstands temperatures to 204°C with excellent solvent resistance. Locks and seals tapered pipe threads and fittings, including high pressure applications. Disassembles with hand tools.
			
			Medium strength, general purpose sealant for use on coarse, threaded components.

** All approvals are region specific. Please contact your Henkel Sales Representative for further information.

GASKETING

Sealing the flanges

▶ DOES THE EXISTING GASKET NEED TO BE USED AS A SHIM?

Helpful Hints:

- If there are traces of old gasket left on the parts to be sealed, clean with LOCTITE® SF 790 Chisel Gasket Remover.
- All parts must be clean and dry before sealing – use LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser.
- Anaerobic products cure between metal surfaces with the absence of air.

Rigid

▶ HENKEL SOLUTIONS	LOCTITE® 510	LOCTITE® 518 
Color	Pink	Red
Gasket Type	Formed-in-place	Formed-in-place
Gap Fill	0.010" (0.25 mm)	0.010" (0.25 mm)
Cure Method	Anaerobic	Anaerobic
Fixture/Cure Time	N.A./24 hrs.	N.A./24 hrs.
Temperature Resistance (Continuous/Intermittent)	204°C/N.A.	150°C/N.A.
Instant Seal	Excellent	Excellent
Water/Glycol Resistance	Excellent	Excellent
Package Size & IDH	50 ml tottle tube - 848390 250 ml tottle tube - 848731 300 ml cartridge - 910888	50 ml tottle tube - 2118119 250 ml tottle tube - 2118117 250 ml cartridge - 2136699

ADDITIONAL PRODUCTS

Name	Features
LOCTITE® 515 Gasket Eliminator Flange Sealant	For flexible applications. Cure speed: Unprimed - 1 to 12 hours. Primed - 15 minutes to 2 hours.
LOCTITE® 790 Chisel Gasket Remover	Solvent. Dry time: Leave on surface for 5 to 10 minutes. Wipe/scrape clean.
LOCTITE® SI 5920	Designed for high temperature resistance and electrical insulating applications. Temperature resistance upto 360°C.



High temperature. Product has a temperature range to 204°C with excellent solvent and chemical resistance. Makes or dresses gaskets in rigid assemblies. Eliminates gasket compression set.



Recommended for use on rigid iron, steel and aluminum flanges. Spray LOCTITE® SF 7649 Primer N on only one surface.





- NO SHIMMING EFFECT – CONTROLLED TOLERANCES, NO NEED FOR RE-TORQUING
- FILL ALL VOIDS – REDUCE THE NEED FOR A FINE SURFACE FINISH OF FLANGES
- PARTS CAN BE DISASSEMBLED EASILY EVEN AFTER EXTENDED SERVICE
- RESISTS HIGH PRESSURE WHEN FULLY CURED



NO

Are you sealing a rigid or a stamped flange?

Stamped

LOCTITE® 574	LOCTITE® SI 587	LOCTITE® SI 596	LOCTITE® SI 5900
Red	Blue	Red	Black
Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place
0.010" (0.25 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)	0.240" (6 mm)
Anaerobic	Moisture (RTV)	Moisture (RTV)	Moisture (RTV)
N.A./24 hrs.	50 min. (Skin formation)	50 min. (Skin formation)	20 min. (Skin formation)
150°C/N.A.	204°C/250°C	316°C	204°C/N.A.
Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent
50 ml tottle tube - 848739 250 ml tottle tube - 848734	95 g tube - 1266356 300 ml cartridge - 1246389	300 ml cartridge - 317667	300 ml cartridge - 1257126
			
Recommended for sealing rigid & semi-rigid metal flanges. Fast curing. Gives instant sealing.	All types of flanges including stamped sheet metal. Designed for superior bonding properties to oil contaminated metals.	High temperature silicone sealant makes the repair of industrial furnaces, ovens, boilers, exhaust stacks, high temperature stacks, ducting and heating elements.	Superior flexibility, withstand high relative joint movement. High adhesion, gives instant seal. Low odor, Low volatility, Non-corrosive.

RETAINING

Securing cylindrical assemblies

► IS THE ASSEMBLY BADLY WORN?

Helpful Hints:

- If the retaining compound will be applied below 5°C, pre-treat with LOCTITE® 7649 Primer N.
- All parts must be clean and dry before sealing – use LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser.
- If the parts have been in contact with washing or cutting fluids containing nitrates, wash with hot water.


**YES - GAPS UP TO
0.020" (0.5 MM)**

► HENKEL SOLUTIONS

LOCTITE® 660

Strength Required	High
Shear Strength (N/mm ²)	3,335 psi (23)
Diametrical Clearance	Up to 0.020" (0.5 mm)
Temperature Resistance	150°C
Cure Time (Setup/Full Strength)	20 min./24 hr.
Package Size & IDH	50 ml bottle - 1752417

ADDITIONAL PRODUCTS

Name	Features
LOCTITE® 680 	Gives best resistance to dynamic, axial and radial loads. Recommended for retaining shafts, gears, pulleys, and similar cylindrical parts.
LOCTITE® 620	Particularly suitable for applications where temperature resistance up to 200°C is required. Requires heat cure to achieve temperature resistance.
LOCTITE® 603	For close-fitting parts (gap up to 0.1 mm) with light contamination. Typical applications include retaining roller bearings or oil impregnated bushings into housings.









Used for repairing worn coaxial parts without remachining; enables reuse of worn bearing seats, keys, splines, tapers, or for retaining shims.

- BOND NON-THREADED CYLINDRICAL METAL ASSEMBLIES
- HIGH AND MODERATE STRENGTH PRODUCTS – CAN CARRY HIGH LOADS AND ELIMINATE FRETTING
- FILL ALL VOIDS – PREVENT CORROSION
- REDUCE THE NEED FOR CLOSE TOLERANCES
- 100% CONTACT – LOAD AND STRESS ARE DISTRIBUTED EVENLY OVER THE JOINT



NO - GAPS TO 0.015" [0.25 MM]

Do you require low, medium or high strength?

Low Strength		Medium Strength	High Strength	
			High Viscosity	Low Viscosity
LOCTITE® 641		LOCTITE® 609	LOCTITE® 638 	LOCTITE® 648 
Low		Medium	High	High
1,700 psi (11.7)		2,300 psi (15.8)	4,200 psi (29)	4,480 psi (31)
Up to 0.006" (0.15 mm)		Up to 0.005" (0.1 mm)	Up to 0.01" (0.25 mm)	Up to 0.006" (0.15 mm)
150°C		150°C	180°C	180°C
20 min./24 hr.		10 min./24 hr.	15 min./24 hr.	10 min./24 hr.
50 ml bottle - 848752 250 ml bottle - 848750		50 ml bottle - 848744 250 ml bottle - 848745	50 ml bottle - 1865160 250 ml bottle - 1865048	50 ml bottle - 1865163 250 ml bottle - 1865164
 <p>A controlled strength retaining compound that is ideal for cylindrical parts that require disassembly.</p>		 <p>Recommended for parts that will need subsequent dismantling, i.e. retention of bearings onto shafts and into housings.</p>	 <p>Maximum strength. For use where high dynamic force or cyclic loading is expected. Offers high temperature performance and oil tolerance.</p>	 <p>Press Fit/High Strength/Rapid Cure. Offers high temperature performance and oil tolerance.</p>

INSTANT BONDING

Fast and reliable bonding

▶ WHAT IS THE BONDING APPLICATION REQUIREMENT?

Porous / absorbent material

▶ HENKEL SOLUTIONS

LOCTITE® 401

Fixture Time	15 sec.
Gap Fill (mm)	0.12
Temperature Resistance	120°C
Shear Strength, psi (N/mm ²)	3200 (22)
Viscosity (cP)	110
Package Size & IDH	20 g bottle - 1669715 1 litre bottle - 833784

ADDITIONAL PRODUCTS

Name	Features	Gap Fill (mm)
LOCTITE® 480	Suitable for close-fitting parts	0.15
LOCTITE® 430	Metal bonder for close fitting parts	0.12
LOCTITE® 420	Wicking type plastic bonder	0.05



Surface insensitive instant adhesive for difficult-to-bond, porous surfaces such as wood, paper, leather or fabric.

- ASSEMBLE PARTS QUICKLY AND EASILY
- REPAIR BROKEN PARTS
- BOND DISSIMILAR PARTS



BONDING RUBBER, PLASTIC, METAL - INSTANT BONDING

	Plastics / Rubber (EPDM)	Metal parts	General Purpose
LOCTITE® 454	LOCTITE® 406	LOCTITE® 415	LOCTITE® 495
15 sec.	15 sec.	30 sec.	20 sec.
0.25	0.10	0.20	0.10
120°C	120°C	80°C	120°C
3200 (22)	3200 (22)	3600 (25)	2750 (19)
Gel	20	1500	45
20 g bottle - 1752383 300 g cartridge - 88525	20 g bottle - 1669713	20 g bottle - 848003 500 gm bottle - 849230	20 g bottle - 1669711
			
Surface insensitive gel. Bonds porous & absorbent surfaces. Non-dripping, particularly suited for overhead applications.	Particularly suited for bonding rubbers & plastics. A must for every tool box for general maintenance & repair. Makes O-rings instantly. Wicking viscosity for tight bond lines.	High viscosity adhesive offering maximum adhesion to metals. Ideal for bonding small metal parts for general maintenance.	A general purpose adhesive designed to bond rubber, metal & plastic parts.

METAL AND CONCRETE REPAIR

Repairing, filling and rebuilding all metal and concrete surfaces

▶ WHAT MATERIAL ARE YOU REPAIRING OR REBUILDING?

STEEL

	Kneadable	High compressive strength	Putty
▶ HENKEL SOLUTIONS	LOCTITE® EA 3463 Metal Magic Steel™ Stick	LOCTITE® EA 3478 Superior Metal	LOCTITE® EA 3471 Steel Putty
Description	2K-Epoxy	2K-Epoxy	2K-Epoxy
Mix ratio by volume/weight	N/A	4:1 / 7.25:1	2.5:1 / 6.25:1
Working life	2.5 - 5 min.	20 min.	30 min.
Fixture time / Cure time	10 min.	6 h	6 h
Shear strength (GBMS)	≥ 3.45 N/mm ²	17 N/mm ²	9.6 N/mm ²
Compressive strength	83 N/mm ²	125 N/mm ²	61.7 N/mm ²
Service temperature range (Dry)	-30°C to +120°C	-29°C to +120°C	-30°C to +105°C
Coverage @ 6mm thickness*	45cm ²	232cm ²	278cm ²
Package Size & IDH	4 oz - 1752399	1kg - 680035	1 lb - 1752406 1 lb - 1752434

*As mentioned in product technical data sheet



- Emergency sealing of leaks in pipes and tanks
- Smooths welds
- Repairs small cracks in castings

Sets in 10 minutes. Steel filled kneadable stick. Adheres to damp surfaces and cures under water. Chemical and corrosion resistant. Can be drilled, filed and painted.

ANSI/NSF Standard 61**



- Rebuilding keyways and spline assemblies
- Rebuilding of bearings, clamp connections, tensioning elements, gear wheels or bearing seats

Ferro-silicon filled with outstanding compression strength. Ideal for renewing surfaces subjected to compression, thrust, impact and harsh environments.








- Seal cracks in tanks, castings, vessels and valves
- Patch non-structural defects in steel casings
- Resurface worn air seals
- Repair pitting caused by cavitation and/or corrosion

General-purpose steelfilled, non-sagging 2KEpoxy. Used to rebuild worn metal parts.

- HIGH COMPRESSIVE STRENGTH
- METALS CAN BE MACHINED, DRILLED OR TAPPED AFTER CURE
- EXCELLENT RESISTANCE TO AGGRESSIVE CHEMICALS



	ALUMINIUM	CONCRETE		METAL
Fast cure putty	High temperature resistance	Reliable and long lasting concrete repairs		Wear resistance
LOCTITE® PC 3473 Fast Steel Putty	LOCTITE® EA 3479 Metal Set HTA	LOCTITE® PC 9410 Magna Crete	LOCTITE® PC 9416 Floor Fill	LOCTITE® PC 7222 Wear Resistant Putty
2K-Epoxy	2K-Epoxy	2K Magnesium Phosphate System	3K-Epoxy	2K-Epoxy
1:1 / 100:56.5	1:1 / 1:1	Refer to TDS	4.6:1:9.8 / 16:3.2:80.8	2:1 / 2:1
3 min.	40 min.	5 to 20 min.	40 to 60 min.	30 min.
10 min.	12 h	1-2 h	24 h	6 h
15 N/mm ²	20 N/mm ²	-	-	16.8 N/mm ²
51 N/mm ²	90 N/mm ²	90 N/mm ²	90 N/mm ²	72 N/mm ²
-30°C to +95°C	-20°C to +190°C	-50°C to +1,100°C	-30°C to +110°C	-30°C to +105°C
370cm ²	-	52m ²	532in ³	342cm ²
500g can - 680036	500g - 1752395	5 gal - 235573	5kg - 680838 20kg - 1400736	500g - 679971
				
<ul style="list-style-type: none"> • Repair holes in tanks, leaks in pipes and elbows • Renew stripped threads • Rebuild worn steel parts <p>Fast curing, steel filled, non-sagging. Ideal for emergency repair and repairing worn metal parts to prevent downtime.</p>	<ul style="list-style-type: none"> • Rebuilding and repairing worn metal parts in high operating temperature applications <p>A non-sagging, heavily reinforced, aluminium powder filled 2K-Epoxy. Easily mixed and moulded to form odd shapes if required. Cures to a nonrusting, aluminium-like finish.</p>	<ul style="list-style-type: none"> • Repair / rebuild of ramps and loading areas, support beam and footer repairs, bridge decking and supports, concrete bunds and walls etc. <p>Two-component, rapid setting concrete repair and grouting system designed for making reliable, long lasting repairs. Bonds to concrete, wood, glass, steel and construction materials. Can be mixed and applied from -25°C to 45°C.</p>	<ul style="list-style-type: none"> • Three component chemically resistant product • Bonds to almost any clean substrate • Self-leveling • Very high compressive strength • Can withstand impact load <p>A non-shrinking 100% solids epoxy based system for repairing holes in floors, spalled areas, ramps, stairs, cracks in floors and for use in grouting applications.</p>	<ul style="list-style-type: none"> • Ideal for filling pits and other irregularities in metal surfaces • Used in pipes, pumps elbows, transitions, butterfly valves, deflection plates, turbine blades and tanks <p>Contains ceramic fibers, giving this trowelable putty excellent wear and abrasion resistance with a smooth, low friction finish. Used in applications with an operating range of -30°C to 105°C.</p>

** All approvals are region specific. Please contact your Henkel Sales Representative for further information.

PROTECTIVE COATINGS AND COMPOUNDS

For superior protection from environmental impact

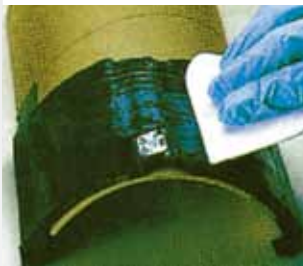
▶ WHAT TYPE OF COATING DO YOU REQUIRE?

WEAR RESISTANT

▶ HENKEL SOLUTIONS	Impact Resistance	Shallow Wear
	LOCTITE® MR Flex 80™ Putty Pourable Repair Compound	LOCTITE® PC 7333 Brushable Ceramic
Colour	Black	Dark grey
Service temperature range (dry)	-29°C to +82°C	-29°C to +120°C
Mix ratio by volume (A:B)	2.5:1	2.75:1
Mix ratio by weight (A:B)	2.6:1	4.8:1
Working time	10 min.	30 min.
Cure time	8 h	6 h
Recommended total layer thickness	NA	min. 0.5 mm
Package Size & IDH	1lb - 1752404	1kg - 680038

ADDITIONAL PRODUCTS

Name	Features
LOCTITE® PC 7339 Ultra High Temperature Pneu Wear	Recommended for any application that requires protection from fine particle abrasion under dry service temperatures of upto 288°C.
LOCTITE® PC 7234 High Temperature Brushable Ceramic	A ceramic reinforced epoxy that provides high gloss, low friction coating designed to protect against turbulence and abrasion under dry service temperatures of up to 288°C.
LOCTITE® PC 9340 High Temperature Chemical Resistant Coating	To protect equipment against extreme corrosion caused by chemical exposure under dry service temperatures of upto 210°C.



It is ideal for repairing metal, rubber, and urethane surfaces that are subject to wear and impact. Typical applications include pump liners, pulleys, conveyor belts, rubber and urethane parts or sheeting, and couplings.



Brushable ceramic filled two-part epoxy for




- Impellers, butterfly valves
- Pump housings
- Cyclones
- Lining tanks

- ELIMINATES AND BREAKS CORROSION / EROSION CYCLE
- HIGH COMPRESSIVE STRENGTH
- BROAD RANGE TAILORED TO SPECIFIC APPLICATIONS



CORROSION RESISTANT

Deep Wear

LOCTITE® PC 7218 Wearing Compound	LOCTITE® PC 7226 Pneu Wear	LOCTITE® PC 7320 Flexible Structural Coating	LOCTITE® PC 7319 Chemical Resistant Coating
Grey	Grey	Grey, Blue, Green	Grey, Blue, Green
-30°C to +120°C	-30°C to +120°C	+ 5°C to +90°C	-30°C to +120°C
2:1	4:1	1:1	2.3:1
2:1	4:1	1:1	3.4:1
30 min.	30 min.	50 min.	30 min.
7 h	6 h	4 h	16 h
min. 6 mm	min. 6 mm	min. 0.5 mm	min. 0.5 mm
2kg - 680839 10kg - 1402022	2kg - 1751940 10kg - 1751941	20kg - 2084171	5kg - 885175 Grey 20kg - 1073830 Green 20kg - 1678823 Blue 20kg - 1678824
			
Two-part ceramic filled epoxy for <ul style="list-style-type: none"> • Cyclone and separator bodies • Dust collectors and exhausters • Pump liners and impellers • Fan blades and housings • Chutes and hoppers • Elbows and transition points 	Ceramic filled two-part epoxy for <ul style="list-style-type: none"> • Dredge pump liners • Flumes and troughs • Pump impellers • Vibrating feeders • Chutes/hoppers 	Solvent free flexible epoxy coating for <ul style="list-style-type: none"> • Pipes • Trenches • Tanks • Concrete structure • Metal structure • Equipment foundation 	Forms glossy, low friction surface that protects equipment against extreme corrosion caused by chemical exposure.

ANTI-SEIZE LUBRICANTS

For protection against rust, corrosion, seizing and galling

▶ WHAT TYPE OF ANTI-SEIZE DO YOU REQUIRE?

▶ HENKEL SOLUTIONS

Up to 871°C

LOCTITE® LB 8150
Silver Grade Anti-Seize

Color	Silver
Solid Lubricating Agent	Graphite/Aluminum
Torque Coefficient*	0.18
Temperature Range	-30°C to +900°C
Metal-Free	No
Package Size & IDH	500 g jar - 833783

* K value on steel nuts and bolts

ADDITIONAL PRODUCTS

Name	Max Temp	Features
LOCTITE® LB 8700 Extreme Pressure Resistant Lubricant	399 °C	MOS ₂ based thread lubricant
LOCTITE® LB 8012 Low Friction Lubricant	399 °C	Recommended for maximum lubricity at low speeds, high loads, Metal free formulation



Heavy duty, temperature resistant, petroleum based lubricant compound fortified with graphite and metallic flake. Inert and will not evaporate or harden in extreme cold or heat. For use in assemblies up to 871°C. ABS Approved. Tested to Mil-PRF-907E. CFIA Approved. **

▪ PROVIDE LUBRICATION IN EXTREME ENVIRONMENTS



GENERAL PURPOSE

Up to 982°C

**LOCTITE® LB 8008
C5-A
Copper Anti-Seize**

Copper

Copper/Graphite

0.16

-29°C to +982°C

No

1 lb - 1751842



Exclusive formula suspends copper and graphite in a high quality grease. Protects metal parts from rust, corrosion, galling, and seizing at temperatures to 982°C. Tested to Mil-PRF-907E. CFIA Approved. **

Up to 1315°C

**LOCTITE® LB 771
Nickel Anti-Seize**

Silver

Nickel/Graphite

0.13

-29°C to +1,315°C

No

1 lb - 1751839



Copper-free. Recommended for stainless steel and other metal fittings. For preventing corrosion, seizing, and galling in harsh, chemical environments, and temperatures to 1315°C. ABS Approved. **

METAL-FREE APPLICATION

No Metal

**LOCTITE® LB 8009
Heavy Duty Anti-Seize**

Black

Graphite/Calcium Fluoride

0.16

-29°C to +1,315°C

Yes

1 lb - 1751851
2 lb - 1751889



Metal free. Excellent lubricity. Provides outstanding lubrication to all metal including stainless steel, aluminum and soft metals up to 1315°C.

INCIDENTAL FOOD CONTACT

No Metal

**LOCTITE® LB 8014
Food Grade Anti-Seize**

White

White Lubricating Solids

0.13

-29°C to +399°C

Yes

2 lb - 1751942



Prevents seizure, galling, and friction in stainless steel and other metal parts up to 399°C. NSF H1 rated for incidental food contact. **

WATER RESISTANT

No Metal

**LOCTITE® LB 8023
Marine Grade
Anti-Seize**

Black

Calcium Sulfonate

0.18

-29°C to +1,315°C

Yes

8 oz - 299175
16 oz - 1752448



Formulated to protect assemblies exposed directly or indirectly to fresh and salt water, this anti-seize works especially well in high humidity conditions. It has excellent lubricity, superior water washout spray resistance, and prevents galvanic corrosion. ABS Approved. **

** All approvals are region specific. Please contact your Henkel Sales Representative for further information.

CLEANING

Clean and degrease work surfaces, parts and hands

▶ WHAT TYPE OF CLEANER DO YOU REQUIRE?

**GENERAL
PURPOSE**

▶ HENKEL SOLUTIONS

LOCTITE® SF 7061

KB Values

N.A.

Package Size & IDH

100 ml can - 849292



Solvent based (acetone)
general parts cleaner,
evaporates very fast,
removing dirt, resins, lacquer,
oils and greases from metals.
Recommended for pre
assembly cleaning.

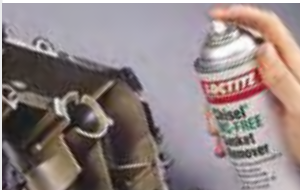


GASKET REMOVING

LOCTITE® SF 790
Chisel Gasket Remover

Greater than 200

510 g aerosol can - 1751840
510 g bottle - 1409698



Removes gaskets from any type of assembly in 10 to 15 minutes. Prepares metal parts for new gaskets, eliminating scraping and sanding. Works on wood; non-corrosive on aluminum. Not for use with plastics, Linoleum, or synthetic fibers.

BIODEGRADABLE

LOCTITE® SF 7840
Natural Blue Biodegradable
Cleaner & Degreaser

N.A.

5 litre bottle - 789065
20 litre bucket - 789705



Biodegradable, all-purpose, industrial strength, concentrated cleaner and degreaser. Can be economically diluted with water. Formulated for wipe down, pressure spraying, and immersion cleaning processes at room temperature or heated. Non-flammable and non-toxic. Contains no ODCs.

DEGREASER

LOCTITE® SF 7070
ODC-Free Cleaner &
Degreaser

34

150 g bottle - 1423361
425 g bottle - 1423327



A non-aqueous, hydrocarbon-based solvent designed for cleaning and degreasing surfaces to be bonded with adhesives, as well as for general purpose industrial cleaning. Safe on aluminum, rubber, and most plastics, and will not cause flash rusting on water-sensitive parts. Dries residue-free. Contains no ozone-depleting compounds (ODCs).

LOCTITE® SF 7611
Pro Strength Parts Cleaner

132

19 oz aerosol can - 1752427



Aggressively penetrates, dissolves, and removes oil and grease from parts. Dries quickly with no residue. Contains no ODCs.

ADDITIONAL PRODUCTS

BELT & RUBBER REPAIR

LOCTITE® PC 7393 Rapid Rubber Repair Kit

Color - Black

Tensile strength - 9 N/mm²

Working time - 1 min.

Functional cure - 2 hrs.

LOCTITE® MR Flex 80 Pourable Repair Compound

Black

12.5 N/mm²

20 min.

8 hrs.

LOCTITE® MR Flex 80 Putty

Black

10 N/mm²

10 mins.

8 hrs.

GROUTING & CHOCKING

LOCTITE® PC 9435 Marine Chocking

Maximum temperature - 120°C

Compressive strength - 150 N/mm²

Working time - 10 mins.

Full cure - 24 hrs.

LOCTITE® PC 9626 Deep Pour Grout

105°C

100 N/mm²

30 mins.

24 hrs.

LOCTITE® PC 9458 Fast Set Grout

93°C

100 N/mm²

10 min.

12 hrs.

PROTECTIVE COATINGS

LOCTITE® PC 9660 Maxicoat

Description - Waxy Film

Color - Brown

Temperature range - Up to 93°C

Cure/Dry time - N.A.

LOCTITE® SF F720RD Color Guard

Rubber Coating

Red

Up to 93°C

4 hrs.

LOCTITE® SF 7693 Cold Galvanizing Compound

Zinc Spray

Grey

Up to 204°C

15 mins.

- BELT & RUBBER REPAIR
- GROUTING & CHOCKING
- RUST TREATMENT
- SPECIALTY LUBRICANTS
- EMERGENCY REPAIR
- PROTECTIVE COATINGS



RUSTED / SEIZED FASTENER LOOSENING

LOCTITE® LB 100 Maintain	LOCTITE® LB 8711 Penetrating Oil	LOCTITE® LB 8040 Freeze and Release
Description - Temporary rust loosener	Petroleum based lubricant	Mineral oil lubricant
Color - Clear liquid	Pale Yellow	Amber
Temperature range - NA	38°C	-20°C to +45°C

EMERGENCY REPAIR

LOCTITE® 5070 Pipe Repair Kit	LOCTITE® Transformer Repair Kit	LOCTITE® O-Ring Kit
Description - Epoxy	Epoxy, silicone, cleaner	Cyanoacrylate
Components - Yellow impregnated tape and LOCTITE® EA 3463	LOCTITE® EA 3473, LOCTITE® EA 3463, LOCTITE® 587 Blue Maxx	Buna N cord and LOCTITE® 406
Repair time - 30 mins.	NA	15 sec.

RUST TREATMENT

LOCTITE® SF 7625 Rust Treatment	LOCTITE® SF 7600 Rust Converter
Description - Rust Converter	Rust Converter
Color - Matte Black	Grey
Temperature range - Up to 121°C	NA
Cure/Dry time - 30 mins.	NA

LOCTITE® Composite Repair System



ADD ANOTHER 20 YEARS

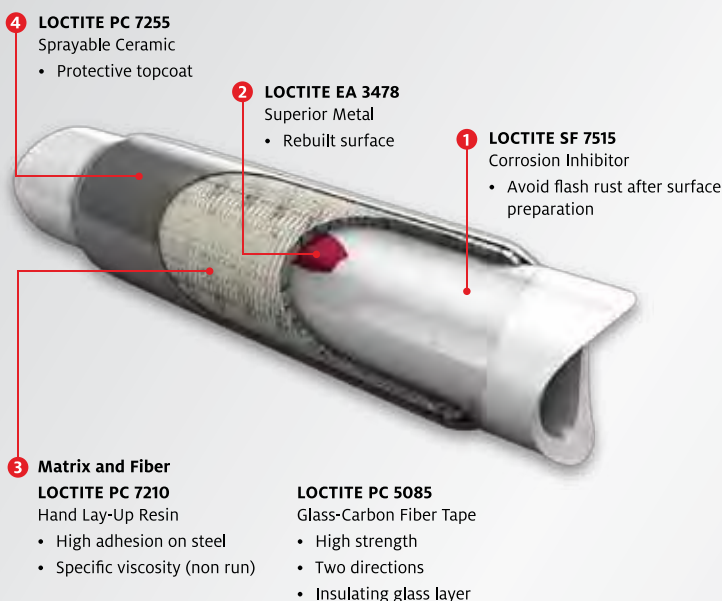
LOCTITE® Composite Repair System is a fast and economical alternative to pipe replacement. The innovative repair system reinforces and seals pipes designed for high pressure, temperature and chemical resistance. It is fully certified by DNV GL according to ISO/TS 24817.

APPLICATION AREAS

- Repair system for steel pipes, pipelines and tanks
- For inside and outside corrosion
- Equipment subject to chemical attack or mechanical wear
- Complex geometries: bends, tees, reducers and flanges
- Oil & Gas industry, refineries and petrochemical plants, power plants, water utilities etc.

BENEFITS

- Fast and economical repair solution
- Increase pipe lifetime by up to 20 years
- No need to replace pipes
- In situ repair without interruption of operations
- Tailor-made repair solutions including specific calculations of repair designs
- Certified applicator and installer training program



The all-in-one solution with materials for surface preparation, reinforcement and topcoat consists of :

LOCTITE® Composite Repair System

- LOCTITE® PC 7255 Sprayable Ceramic
- LOCTITE® EA 3478 Superior Metal
- LOCTITE® PC 7210 Hand Lay-Up Resin
- LOCTITE® PC 5085 Glass-Carbon Fiber Tape
- LOCTITE® SF 7515 Corrosion Inhibitor

LOCTITE® PC 7000

High Temperature Abrasion Resistant Coating



UPTO 2X PROTECTION

LOCTITE® PC 7000 High Temperature Abrasion Resistant Coating is a unique three component, rapid setting silica based composite coating system which offers protection from abrasion up to 1100°C. This is a water based environmentally friendly system. It bonds well to porous substrates like concrete, refractory bricks etc. (Metal surfaces need to be reinforced with metallic mesh before coating application.)

APPLICATION AREAS

- Coal burner nozzles
- Baffle plates of coal tip burners
- Refractory brick structure of chimneys

BENEFITS

- Upto 2 X protection from high temperature abrasion
- Cost effective: Better life, more efficiency
- Laminar flow of coal - air mixture for optimum efficiency

APPLICATION PROCEDURE

- Prepare the application surface by proper surface preparation-(Grid blasting/Grinding). After surface preparation ensure the surface is clean and free from dust, etc.
- Spot weld S.S diamond pattern wire mesh over the work piece as per the application requirement.
- Add part a and b to the container. Mix till uniform consistency and milky white color.
- Add ceramic fillers incrementally to liquid resin while mixing vigorously with air mixer for 2-3 mins until fillers are dispersed evenly. Use the entire qty of part a:part b:filler mix it well to prepare the homogenous mixture. No part mixing is allowed.
- Apply fully mixed material to prepared surface within 30 mins of mixing. Ensure 100% filling in mesh as per the required application thickness.
- Allow coating to cure at room temperature for 24 hrs. After room temperature cure, heat cure @ 350°C for 10 mins.



Burner tip: after wear



Burner tip coated with
LOCTITE® PC 7000 HTARC: after wear



Burner Tip Wear
after 1 Year of PC 7000 Application

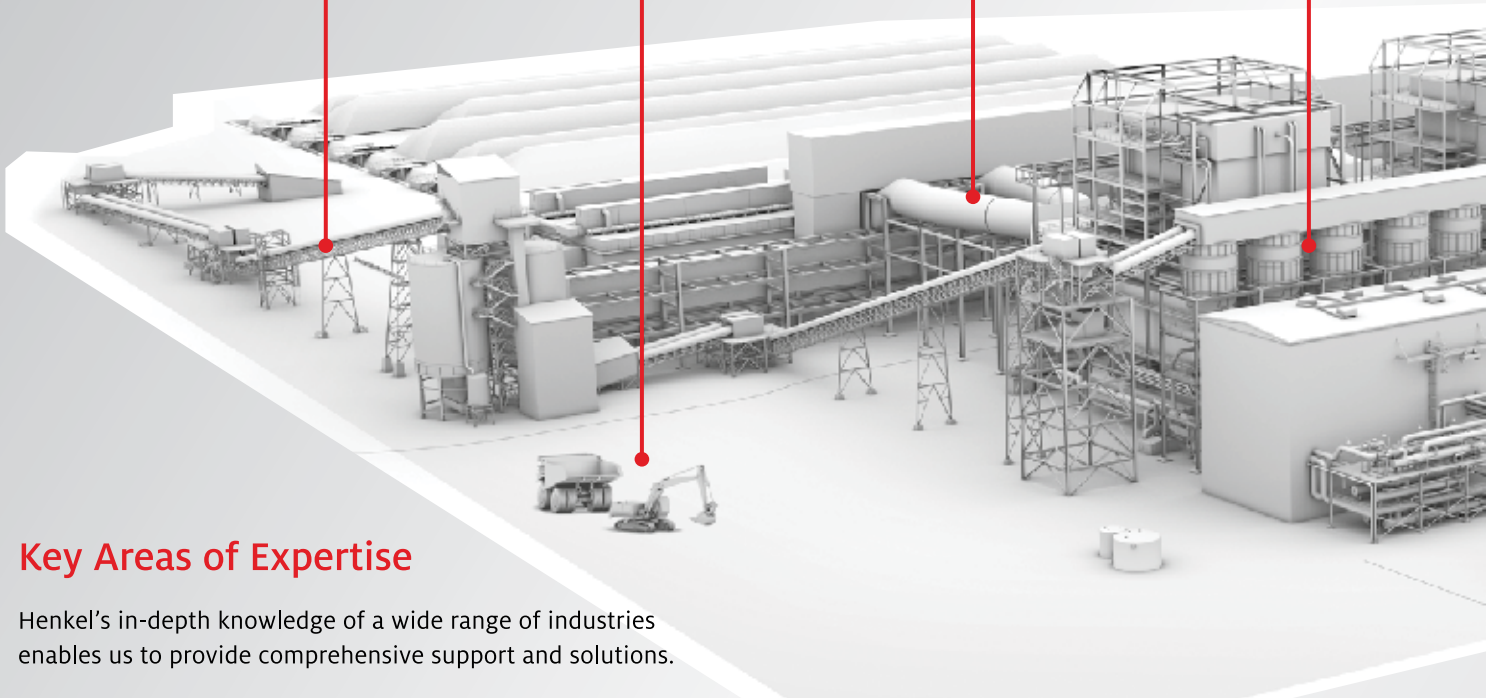
PROTECTION THROUGHOUT YOUR FACILITY

RUBBER DAMAGE: LOCTITE
RAPID RUBBER REPAIR

VIBRATIONAL LOOSENING:
LOCTITE THREADLOCKERS

ABRASION: LOCTITE
WEARING COMPOUNDS

CORROSION: LOCTITE WEAR
RESISTANT COATINGS



Key Areas of Expertise

Henkel's in-depth knowledge of a wide range of industries enables us to provide comprehensive support and solutions.

**POWER
GENERATION**



MINING



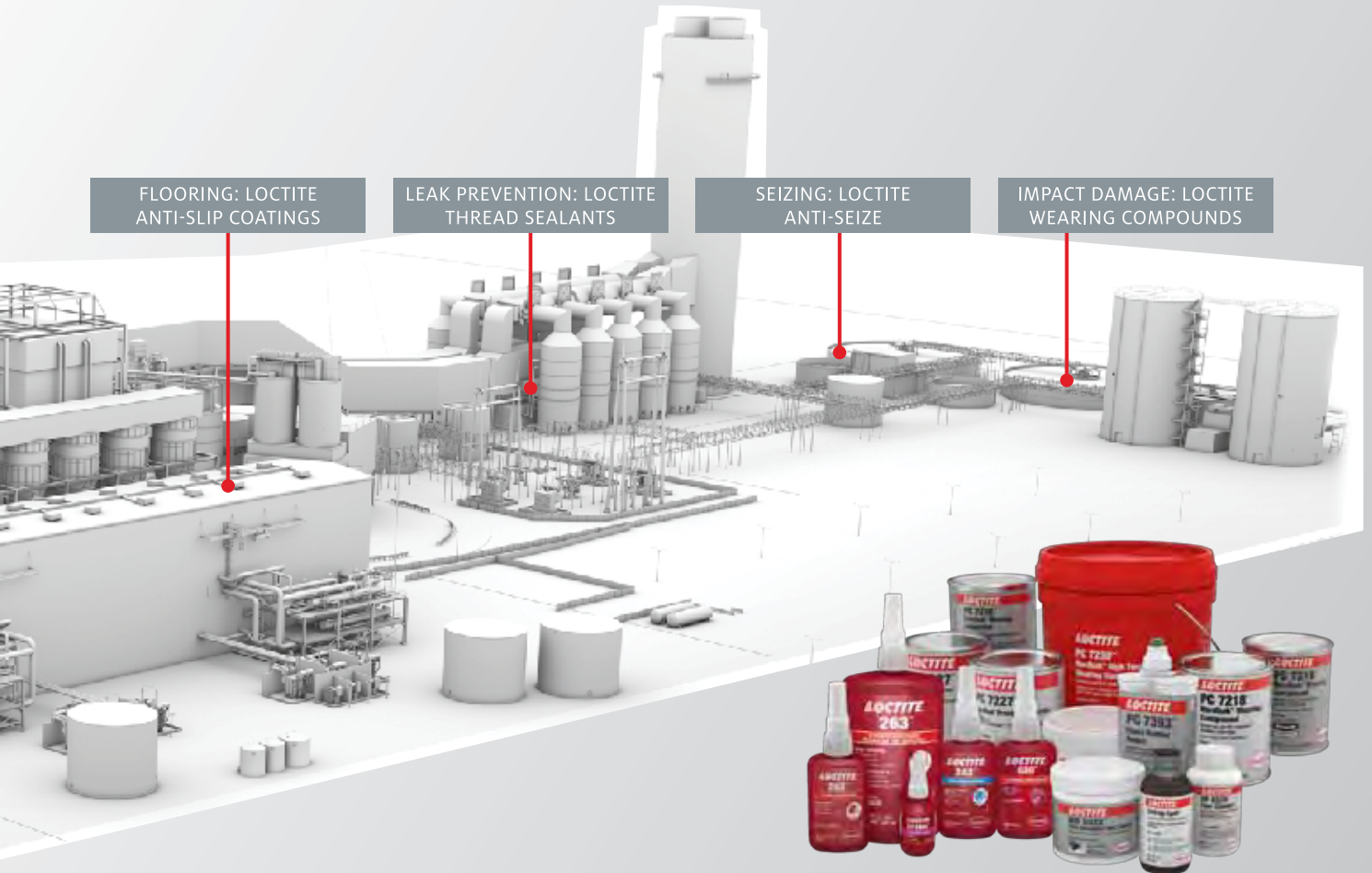
OIL AND GAS



STEEL



- FOR EVERY INDUSTRY, LOCTITE SOLUTIONS WILL HELP REPAIR, REBUILD AND PROTECT YOUR VALUABLES ASSETS.



CEMENT



WATER UTILITIES



PULP AND PAPER


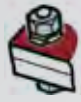
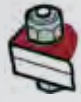
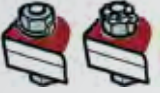


PETROCHEMICALS







SOLUTIONS TO COMMON MAINTENANCE CHALLENGES

THREADLOCKING





Traditional Method	Problem	LOCTITE® Solution
LOCKNUTS 	<ul style="list-style-type: none"> • Double cost. • Requires extra space. • Corrodes in place. • Time consuming to assemble. 	<ul style="list-style-type: none"> • Locks single nut. • Uses standard parts. • Seals against corrosion. • Fast assembly.
SPRING WASHERS 	<ul style="list-style-type: none"> • Not an effective locking system. • Can damage contact faces. • Large inventory. 	<ul style="list-style-type: none"> • Completely vibration proof. • No damage, No corrosion. • One bottle size for all size threads.
NYLON INSERTS 	<ul style="list-style-type: none"> • On-torque needed. • Ineffective under severe vibration. • Requires good access. • Should not be re-used. 	<ul style="list-style-type: none"> • Low on-torque. • Effective on adverse conditions. • Easy to apply. • Allows parts to be re-used.
TAB WASHERS / SPLIT PINS 	<ul style="list-style-type: none"> • Difficult production use. • Expensive. • Special design required. 	<ul style="list-style-type: none"> • Apply manually or automatically. • Uses standard parts.

THREAD SEALING






Traditional Method	Problem	LOCTITE® Solution
TAPES 	<ul style="list-style-type: none"> • Shredding clogs pipes. • Manual application only. • Elbow alignment. • Overtightening causes damage. • Poor vibration resistance. 	<ul style="list-style-type: none"> • Unused sealant flushed away. • Automation possible. • Seals/locks in any position. • Vibration proof.
PASTES 	<ul style="list-style-type: none"> • Creeping/shrinkage. • Poor chemical resistance. • Poor vibration resistance. 	<ul style="list-style-type: none"> • Sealed for life. • Resists most solvents. • Vibration proof.
'O' RINGS 	<ul style="list-style-type: none"> • Large inventory needed. • Easily damaged. • Special joint design. 	<ul style="list-style-type: none"> • Universal products. • No parts to handle. • Uses standard parts.
CONE FITTINGS 	<ul style="list-style-type: none"> • Costly machining. • Easily damaged. 	<ul style="list-style-type: none"> • Use standard parts. • Use with damaged cone fitting to ensure complete seal.

- LOCTITE® ENGINEERING ADHESIVES AND SEALANTS ARE DESIGNED TO OFFER YOU MORE RELIABILITY AND COST-SAVINGS OVER CONVENTIONAL MAINTENANCE METHODS

GASKETING

Traditional Method	Problem	LOCTITE® Solution
PRE-FORMED MATERIALS 	<ul style="list-style-type: none"> • Relaxation. • Re-torquing. • Corrosion/fretting. • Manual application. • Large inventory. 	<ul style="list-style-type: none"> • Constant seal / no re-torquing. • Total seal. • Automation possible.
'O' RINGS 	<ul style="list-style-type: none"> • Manual application. • Extra machining operation. • Large inventory. 	<ul style="list-style-type: none"> • Automation possible. • Standard parts used. • No parts to handle. • Low inventory
SEALING COMPOUNDS 	<ul style="list-style-type: none"> • Often solvent based. • Can cause clogging. • Re-torquing. • Messy. 	<ul style="list-style-type: none"> • Solvent-free. • Unused adhesive flushed away. • No relaxation. • Accurate application.
CUTTING PAPER GASKETS 	<ul style="list-style-type: none"> • Time consuming. • Operator skill. • Inconsistent performance. 	<ul style="list-style-type: none"> • Little preparation. • Easy to apply. • Constant performance.

RETAINING

Traditional Method	Problem	LOCTITE® Solution
PRESS FIT 	<ul style="list-style-type: none"> • High stress. • Fretting possible. • Assembly equipment required. 	<ul style="list-style-type: none"> • Load spread over joint. • Can use lighter parts. • Hand assembly possible. • Relaxed tolerances.
GRUB SCREWS 	<ul style="list-style-type: none"> • Poor metal to metal contact. • Low torque transmission. • Extra machining. 	<ul style="list-style-type: none"> • 100% contact. • Total surface contact creates high torque capability. • Basic machining.
KEYS 	<ul style="list-style-type: none"> • Prone to backlash and chattering. • Costly to produce. • Accurate machining. 	<ul style="list-style-type: none"> • No movement/fretting eliminated. • One adhesive suits many applications. • Allows relaxed tolerances.
SPLINES 	<ul style="list-style-type: none"> • Costly machining. • Special design • Prone to wear. 	<ul style="list-style-type: none"> • Basic machining • Normal parts. • No movement / fretting.
PINS 	<ul style="list-style-type: none"> • High stress concentration. • Prone to backlash. • Costly machining. 	<ul style="list-style-type: none"> • Distributed stress. • No movement / fretting. • No extra work.

PRODUCT ORDERING INFORMATION

Product Name	IDH No.	Pkg. Size	Page	Product Name	IDH No.	Pkg. Size	Page
LOCTITE 222 THREADLOCKER	848062	250 ml bottle	5	LOCTITE PC 9410 MAGNA CRETE	235573	5 gal	15
LOCTITE 222 THREADLOCKER	848063	50 ml bottle	5	LOCTITE PC 9416 FLOOR FILL	680838	5 kg	15
LOCTITE 243 THREADLOCKER	531707	250 ml bottle	5	LOCTITE PC 9416 FLOOR FILL	1400736	20 kg	15
LOCTITE 243 THREADLOCKER	1367282	50 ml bottle	5	LOCTITE PC 7222 WEAR RESISTANT PUTTY	679971	500 g	15
LOCTITE 243 THREADLOCKER	1427418	10 ml bottle	5	LOCTITE MR FLEX 80 PUTTY	1752404	1 lb	16
LOCTITE 243 THREADLOCKER	833788	1 litre bottle	5	LOCTITE PC 7333 BRUSHABLE CERAMIC	680038	1 kg	16
LOCTITE 263 THREADLOCKER	151183	250 ml bottle	5	LOCTITE PC 7218 WEARING COMPOUND	680839	2 kg	17
LOCTITE 263 THREADLOCKER	1367281	50 ml bottle	5	LOCTITE PC 7218 WEARING COMPOUND	1402022	10 kg	17
LOCTITE 277 THREADLOCKER	531722	250 ml bottle	5	LOCTITE PC 7226 PNEU WEAR	1751940	2 kg	17
LOCTITE 277 THREADLOCKER	531723	50 ml bottle	5	LOCTITE PC 7226 PNEU WEAR	1751941	10 kg	17
LOCTITE 290 THREADLOCKER	848069	250 ml bottle	4	LOCTITE PC 7320 FLEXIBLE STRUCTURAL COATING	2084171	20 kg	17
LOCTITE 290 THREADLOCKER	531724	50 ml bottle	4	LOCTITE PC 7319 CHEMICAL RESISTANT COATING	1678824	20 kg	17
LOCTITE 401 INSTANT ADHESIVE	1669715	20g bottle	12	LOCTITE LB 771 NICKEL ANTI-SEIZE	1751839	1 lb	19
LOCTITE 401 INSTANT ADHESIVE	833784	1litre bottle	12	LOCTITE LB 8008 C5-A COPPER ANTI-SEIZE	1751842	1 lb	19
LOCTITE 406 INSTANT ADHESIVE	1669713	20g bottle	13	LOCTITE LB 8009 HEAVY DUTY ANTI-SEIZE	1751851	1 lb	19
LOCTITE 415 INSTANT ADHESIVE	848003	20g bottle	13	LOCTITE LB 8009 HEAVY DUTY ANTI-SEIZE	1751889	2 lb	19
LOCTITE 415 INSTANT ADHESIVE	849230	500gm bottle	13	LOCTITE LB 8014 FOODGRADE ANTI-SEIZE	1751942	2 lb	19
LOCTITE 454 INSTANT ADHESIVE	1752383	20g bottle	13	LOCTITE LB 8023 MARINE GRADE ANTI-SEIZE	1752448	16 oz	19
LOCTITE 454 INSTANT ADHESIVE	88525	300g cartridge	13	LOCTITE LB 8150 SILVER ANTI-SEIZE	833783	500g jar	18
LOCTITE 495 INSTANT ADHESIVE	1669711	20g bottle	13	LOCTITE SF 7061 SURFACE CLEANER	849292	100ml aerosol can	20
LOCTITE 510 FLANGE SEALANT	910888	300ml cartridge	8	LOCTITE SF 7070 ODC-FREE CLEANER AND DEGREASER	1423361	150g bottle	21
LOCTITE 510 FLANGE SEALANT	848731	250ml tottle tube	8	LOCTITE SF 7070 ODC-FREE CLEANER AND DEGREASER	1423327	425g bottle	21
LOCTITE 510 FLANGE SEALANT	848390	50ml tottle tube	8	LOCTITE SF 7611 PRO STRENGTH PARTS CLEANER	1752427	19 oz aerosol can	21
LOCTITE 518 FLANGE SEALANT	218117	250ml tottle tube	8	LOCTITE SF 7840 NATURAL BLUE	789705	20litre bucket	21
LOCTITE 518 FLANGE SEALANT	218119	50ml tottle tube	8	LOCTITE SF 7840 NATURAL BLUE	789065	5litre bottle	21
LOCTITE 542 THREAD SEALANT	848736	250 ml bottle	7	LOCTITE SF 790 CHISEL GASKET REMOVER	1751840	510g aerosol can	21
LOCTITE 542 THREAD SEALANT	848735	50 ml bottle	7	LOCTITE SF 790 CHISEL GASKET REMOVER	1409698	510g bottle	21
LOCTITE 55 PIPE SEALING CORD	1752446	150 metres	6	LOCTITE SI 587 BLUE	1266356	95g tube	9
LOCTITE 565 THREAD SEALANT	1752552	250 ml bottle	7	LOCTITE SI 587	1246389	300ml cartridge	9
LOCTITE 565 THREAD SEALANT	1751917	50 ml bottle	7	LOCTITE SI 5900	1257126	300ml cartridge	9
LOCTITE 567 THREAD SEALANT	1752545	250 ml bottle	7	LOCTITE SI 596 HIGH TEMP RED SILICONE	317667	300ml cartridge	9
LOCTITE 567 THREAD SEALANT	1752537	50 ml bottle	7	LOCTITE PC 7393 RAPID RUBBER	1752457	400ml	22
LOCTITE 574 FLANGE SEALANT	848734	250ml tottle tube	9	LOCTITE MR 5000 RAPID RUBBER REPAIR KIT	1752458	400ml	22
LOCTITE 574 FLANGE SEALANT	848739	50ml tottle tube	9	LOCTITE MR FLEX 80 PUTTY	1752404	1 lb	22
LOCTITE 577 THREAD SEALANT	2121367	250 ml tottle tube	7	LOCTITE PC 9435 MARINE CHOCKING	1422843	3.4kg	22
LOCTITE 577 THREAD SEALANT	2121780	50 ml tottle tube	7	LOCTITE PC 9626 DEEP POUR GROUT	1752439	50 lb	22
LOCTITE 609 RETAINER	848745	250ml bottle	11	LOCTITE PC 9458 FAST SET GROUT	1751943	2 gal	22
LOCTITE 609 RETAINER	848744	50ml bottle	11	LOCTITE SF 7625 RUST TREATMENT	1751843	1 gal	22
LOCTITE 638 RETAINER	1865048	250ml bottle	11	LOCTITE LB 100 MAINTAIN	627004	312g aerosol can	22
LOCTITE 638 RETAINER	1865160	50ml bottle	11	LOCTITE SF 7600 RUST CONVERTER	1649154	1 litre	22
LOCTITE 641 RETAINER	848750	250ml bottle	11	LOCTITE SF 7600 RUST CONVERTER	1649155	4 litre	22
LOCTITE 641 RETAINER	848752	50ml bottle	11	LOCTITE LB 8711 PENETRATING OIL	1751845	16 oz aerosol can	23
LOCTITE 648 RETAINER	1865164	250ml bottle	11	LOCTITE LB 8017 MOLY DRY FILM	1751859	12 oz	23
LOCTITE 648 RETAINER	1865163	50ml bottle	11	LOCTITE LB 8040 FREEZE AND RELEASE	1752559	310ml	23
LOCTITE 660 RETAINER	1752417	50ml bottle	10	LOCTITE 5070 PIPE REPAIR KIT	1752402	2 x 6	23
LOCTITE EA 3463 METAL MAGIC STEEL STICK	1752399	4 oz	14	LOCTITE TRANSFORMER REPAIR KIT	1035886	NA	23
LOCTITE EA 3478 SUPERIOR METAL	680035	1 kg	14	LOCTITE O-RING KIT	1754762	mm size	23
LOCTITE EA 3471 STEEL PUTTY	1752406	1 lb	14	LOCTITE O-RING KIT	1754763	inch size	23
LOCTITE EA 3471 STEEL PUTTY	1752434	1 lb	14	LOCTITE PC 9660 MAXICOAT	1751848	1 gal	23
LOCTITE PC 3473 FAST STEEL PUTTY	680036	500 g can	15	LOCTITE SF F720RD COLOR GUARD	1751913	1 gal	23
LOCTITE EA 3479 METAL SET HTA	1752395	500 g	15	LOCTITE SF 7693 COLD GALVANIZING COMPOUND	1751854	15 oz aerosol can	23

PROPERTIES CHART

Page	Product	Size	Coverage @ 6mm thickness	Colour	Dry Service Temperature Range	Compressive Strength N/mm ²	Elongation %	Shear Strength N/mm ² ; 0.1mm gap and etch aluminium	Tensile Strength N/mm ²	Hardness Shore D	Working Time Minutes @ 25°C	Cure Time Hours @ 25°C	Mix Ratio by volume (R:H)	Mix Ratio by weight (R:H)
14	LOCTITE® EA 3478 Superior Metal	1 kg kit	232cm ²	Dark Grey	-30°C to +120°C	12.5 N/mm ²	-	17 N/mm ²	38 N/mm ²	90	20	6	4:1	7.25:1
14	LOCTITE® EA 3471 Steel Putty	1 lb kit	278cm ²	Grey	-30°C to +105°C	61.7 N/mm ²	-	9.6 N/mm ²	27.8 N/mm ²	82	30	6	2.5:1	6.25:1
15	LOCTITE® PC 3473 Fast Steel Putty	500 g kit	370cm ²	Grey	-30°C to +95°C	51 N/mm ²	-	15 N/mm ²	27 N/mm ²	80	3	10 min	1:1	100:56.5
15	LOCTITE® PC 7222 Wear Resistant Putty	500 g kit	380cm ²	Grey	-30°C to +105°C	72 N/mm ²	-	16.8 N/mm ²	21 N/mm ²	85	30	6	2:1	2:1
22	LOCTITE® PC 7393 Rapid Rubber Repair	400 ml dual cartridge	-	Black	-29°C to +82.2°C	-	-	3.7 N/mm ²	-	**86	1	2	1:1	-
22	LOCTITE® MR Flex 80 Putty	1 lb kit	604cm ²	Black	-29°C to +82.2°C	-	350	3.3 N/mm ²	-	**88	10	8	2.5:1	2.6:1
22	LOCTITE® MR Flex 80 Pourable Repair Compound	1 lb kit	442cm ²	Black	-30°C to +80°C	-	237	3.6 N/mm ²	7.5 N/mm ²	**87	20	8	100:13:3	77:23
14	LOCTITE® EA 3463 Metal Magic Steel™ Stick	113 g stick	45cm ²	Grey	-30°C to +120°C	83 N/mm ²	-	≥ 3.45 N/mm ²	17.2 N/mm ²	>70	2.5-5	10 min	-	-
15	LOCTITE® PC 9410 Magna Crete	5 gal kit	52m ²	Grey	-50°C to +1,100°C	90 N/mm ²	-	-	-	-	5-20	1-2	Refer to TDS	Refer to TDS
15	LOCTITE® PC 9416 Floor Fill	20 kg kit	-	Grey	-30°C to +110°C	90 N/mm ²	-	-	-	-	40	24	16:3,2:80.8	4.6:1:9.8
17	LOCTITE® PC 7218 Wearing Compound	2 kg kit	1480cm ²	Grey	-30°C to +120°C	110.3 N/mm ²	-	-	-	90	30	7	2:1	2:1
16	LOCTITE® PC 7335 Ultra High Temperature Pneu Wear	25 lb kit	0.8m ²	Red	-29°C to +288°C	-	-	34.5 N/mm ²	-	90	30	2 hrs @ 145°C	2:1	2.27:1
16	LOCTITE® PC 7333 Brushable Ceramic	1 kg kit	*1.1m ²	Dark Grey	-29°C to +120°C	70 N/mm ²	-	21 N/mm ²	30 N/mm ²	85	30	6	2.75:1	4.8:1
16	LOCTITE® PC 7234 High Temperature Brushable Ceramic	2 lb kit	*1.1m ²	Red	-29°C to +288°C	10.2 N/mm ²	-	16.7 N/mm ²	37 N/mm ²	88	120	8 hrs +3 hrs @ 150°C	2.6:1	4.25:1
17	LOCTITE® PC 7319 Chemical Resistant Coating	20 kg kit	*6.8m ²	Grey	-30°C to +120°C	68 N/mm ²	-	18.2 N/mm ²	33 N/mm ²	85	30	16	2.3:1	3.4:1

*0.5mm thick layer

**Shore A

LOCTITE®
BONDERITE®
TECHNOMELT®
TEROSON®
AQUENCE®

Henkel Adhesives Technologies India Private Limited

Mumbai

Corporate Office

L & T Seawoods, Grand Central,
401, B Wing, 4th Floor, Tower 1,
Seawoods, Navi Mumbai - 400 706,
Maharashtra, India.
Phone : +91 22 7130 1300

Chennai

Arunodayam, No. 14 & 16,
Raman Street, North Boag Road,
T. Nagar, Chennai - 600 017,
Tamil Nadu, India.
Phone : +91 44 7199 7000

Pune

Survey No. 234, 235 and 245,
India Land Global Industrial Park,
Phase 1, Hinjewadi, Pune - 411 057,
Maharashtra, India.
Phone : +91 20 7199 7000

Delhi

74, Industrial Corporation,
Mehrauli Gurgaon road,
Gurgaon - 122 001,
Haryana, India.
Phone : +91 0124 509 7000

Factory

D3/D4, MIDC Industrial Estate,
Jejuri, Purandhar, Pune - 412 303,
Maharashtra, India.
Phone : +91 2115 718 000

www.henkel.in

www.henkel-adhesives.com/in

www.linkedin.com/company/henkel-adhesives