



LOCTITE®

MAINTENANCE, REPAIR AND OVERHAUL SOLUTIONS GUIDE & PRODUCT SELECTOR

Henkel

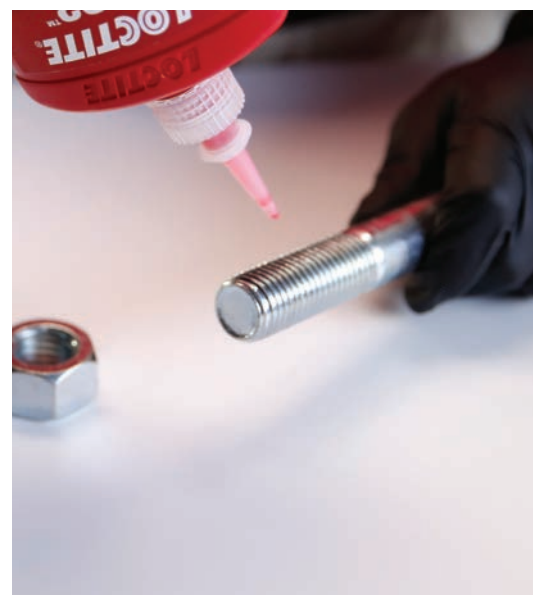
Henkel Adhesive Technologies

Limitless Solutions To Help Unlock Your Limitless Potential.

LOCTITE® — The world's leading brand for adhesives, sealants and surface treatments — is obsessed with providing solutions that deliver products that are stronger, more durable, and long lasting. We help your designs and equipment operate and deliver on every task — from adhesives to lubricants that enhance your design capabilities and help maintain your equipment to function properly with the ability to repair them quickly and efficiently when needed. Limitless solutions unlocking your limitless potential.

Our industrial maintenance and repair products and services can be used across a wide range of industries and applications. From products that prevent failures in threaded assemblies, to making repairs in pumps, our applications help keep operations productive, reducing the impact of costly downtime and equipment failure. Some of the major industrial areas where our products and services are used includes mines and quarries, oil and gas refineries, power generation plants, and wastewater treatment plants.

6	Threadlockers Prevent fastener loosening and seizure	30	Structural Adhesives Bond structural assemblies and repair damaged parts	52	Primers and Activators Improve adhesion to difficult to bond surfaces.
10	Thread Sealants Prevent leaks – air, hydraulic	36	Cleaners Clean and degrease parts and work surfaces	56	Specialty Maintenance Technologies Solve nearly any issue with a wide range of solutions
14	Gasketing Products Prevent flange leaks – oil, transmission, coolant	40	Rebuilding Products Products rebuild worn or corroded surfaces	62	Nozzles Static Mix nozzles for various Loctite cartridges
18	Retaining Compounds Prevent backlash – keyway wallowing, spun bearings, shaft misalignment, wear, corrosion	44	Lubricants Prevent friction, heat or wear between metal surfaces		
22	Instant Adhesives Bond dissimilar parts quickly and easily	48	Anti-Seize Products Prevent rust, corrosion, galling or seizing on metal parts in extreme environments		
28	Universal Bonders Bond a wide range of materials fast				



OPTIMISE ASSEMBLIES, REDUCE UNPLANNED DOWNTIME, WITH **LOCTITE® SERVICES.**

HOW WE CAN HELP

LOCTITE® Services include line audits, plant surveys, inventory assessments, and in-person and online training to make your design, production and maintenance processes much more efficient.

MAINTENANCE RELIABILITY WORKSHOP

Our on-site maintenance reliability workshops include seminars, courses, and other trainings. These workshops can benefit both seasoned MRO teams, as well as new employees who require more extensive training. The aim of our workshops are to help identify the right products for each maintenance process or application while sharing our expert knowledge of proactive maintenance best practices. Instruction on proper product selection and application of these products are an important element of these workshops. We know that a proactive maintenance approach can help your facility achieve its reliability goals. That is why our team is ready to come to your facility and provide the support you need, when you need it.

**Schedule a consultation and learn
how LOCTITE® adhesives and
sealants can improve your overall
manufacturing process!**

Email: solutions@henkel.com





THREAD LOCKERS

Traditional fastening methods have gaps.
Threadlockers fill them.



PROBLEM

Without Threadlockers:
Vibrational loosening
due to 85% air gap.



SOLUTION

With Threadlockers:
There's no vibrational
loosening, and no gaps.

Tighten your operation. Eliminate loosening.

Threadlockers lock and seal your threaded assemblies, protecting against vibration, corrosion and galling. Depending on your need, you have to choose the right Threadlocker and consider strength, form and removability. Which one will you need? LOCTITE® makes your choice easy.

Find the right product for your application



DISASSEMBLY

Low Strength

LOCTITE® 222™

Medium Strength

LOCTITE® 243™

LOCTITE® 248™

LOCTITE® 290™

High Strength

LOCTITE® 263™

LOCTITE® 268™

LOCTITE® 277™

LOCTITE® 272™

* Pre-torqued to 5 N.m

Low Strength THREADLOCKERS



222™
General Purpose



Disassembly: Removable with hand tools

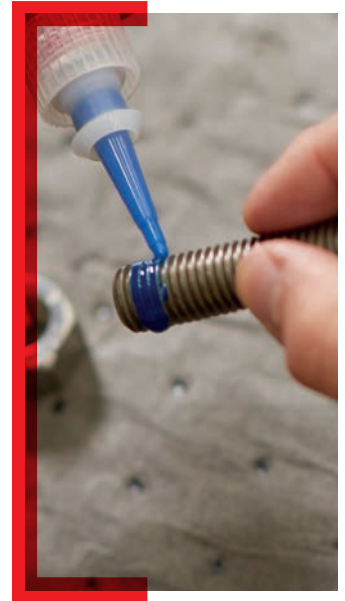


Form: Liquid



Temperature Resistance: 150°C

Viscosity: 1,200 cP Thixotropic
Breakloose Torque*: 14 N.m
Fixture Speed: 20 minutes
Full Cure: 24 hours



Medium Strength THREADLOCKERS



243™
General Purpose



Disassembly: Removable with hand tools



Form: Liquid



Temperature Resistance: 180°C

Viscosity: 2,000 cP Thixotropic
Breakloose Torque*: 24 N.m
Fixture Speed: 10 minutes
Full Cure: 24 hours



248™
No-drip, No-mess



Disassembly: Removable with hand tools



Form: Semi-solid wax



Temperature Resistance: 150°C

Viscosity: Semi-solid
Breakloose Torque*: 25 N.m
Fixture Speed: 5 minutes
Full Cure: 24 hours



290™
Wicking Grade



Disassembly: Removable with hand tools



Form: Liquid



Temperature Resistance: 150°C

Viscosity: 40 cP
Breakloose Torque*: 30 N.m
Fixture Speed: 20 minutes
Full Cure: 24 hours

High Strength

THREADLOCKERS



263™
General Purpose



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Liquid



Temperature Resistance:
180°C

Viscosity: 500 cP
Breakloose Torque*: 39 N.m
Fixture Speed: 10 minutes
Full Cure: 24 hours



268™
No-drip, No-mess



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Semi-solid wax



Temperature Resistance:
150°C

Viscosity: Semi-solid wax
Breakloose Torque*: 40 N.m
Fixture Speed: 5 minutes
Full Cure: 24 hours



277™
Large Bolts, High Chemical Resistance



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Liquid



Temperature Resistance:
150°C

Viscosity: 7,000 cP
Breakloose Torque*: 38 N.m
Fixture Speed: 45 minutes
Full Cure: 24 hours



272™
Large Bolts, High Temperature



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Liquid



Temperature Resistance:
232°C

Viscosity: 6,000 cP
Breakloose Torque*: 23 N.m
Fixture Speed: 45 minutes
Full Cure: 24 hours

How to choose a threadlocker.



STRENGTH & DISASSEMBLY

From heavy equipment and permanent assemblies to mounting bolts and adjustment screws, LOCTITE® has your Threadlocker.

LOW STRENGTH

Primarily used on adjustment screws, calibration screws, meters and gauges. They have high disassembly frequency and are removable with hand tools.

MEDIUM STRENGTH

Great for machine tools and presses, pumps and compressors, mounting bolts and gearboxes. They have normal disassembly frequency and are removable with hand tools.

HIGH STRENGTH

Used for more permanent assemblies, heavy equipment, suspension bolts, motor and pump mounts, cap bolts and studs. These are rarely disassembled and require localised heat for effective removal.



FORM

Threadlockers come in a variety of different forms ranging from liquid, which flow smoothly into gaps and spaces, to semi-solid, a no-drip, no-mess formulation ideal for overhead applications. Knowing your application will help you select the correct Threadlocker.



TEMPERATURE RESISTANCE

LOCTITE® Threadlockers are formulated to withstand extreme temperatures for continuous service from application to removal.



THREADLOCKERS

Product	Item Number	Pack Size	Colour	Features	Viscosity [cP]	Thixotropic (yes/no)	Breakloose Torque* / Prevail Torque [N.m], M10 steel nuts & bolts	Temperature Range	Fixture Time [min]
LOW STRENGTH									
222™	471660	10ml	Purple	Small screws (up to M10)	1,200	Yes	14 / 14	-55°C to 150°C	20
	231499	50ml							
	1496888	250ml							
425™	135461	20g	Blue	Small screws for both metal & plastic, also used for tamper-proofing	80	No	0.36 / 0.23**	-55°C to 85°C	1
MEDIUM STRENGTH									
243™	1311375	10ml	Blue	General Purpose (up to M36), Primerless	2,150	Yes	24 / 4	-55°C to 180°C	10
	1311321	50ml							
	1311323	250ml							
242™	135355	50ml	Blue	General Purpose (up to M20), Mil-S-46163A / ASTM D5363 tested	1,200	Yes	14 / 5***	-55°C to 150°C	5
248™	504466	19g	Blue	Semi-solid stick (up to M24) ideal for overhead / hard to reach areas, Primerless	Semi-solid wax	-	25	-55°C to 150°C	5
290™	1175229	10ml	Green	Wicking grade for preassembled fasteners (up to M12), has porosity sealing capabilities (welds, castings)	35	No	30 / 30	-55°C to 150°C	20
	1496855	50ml							
	235226	250ml							
HIGH STRENGTH									
263™	1374241	10ml	Red	General Purpose (up to M24), Primerless	500	No	39 / 25	-55°C to 180°C	10
	1331618	50ml							
	1331536	250ml							
262™	135374	50ml	Red	General Purpose (up to M20), Mil-S-46163A / ASTM D5363 tested	1800	Yes	38 / 40	-55°C to 150°C	15
	135375	250ml							
268™	511535	19g	Red	Semi-solid stick (up to M24) ideal for overhead / hard to reach areas, Primerless	Semi-solid wax	-	40	-55°C to 150°C	5
271™	135380	10ml	Red	Up to M24, Mil-S-46163A / ASTM D5363 tested (only 10 & 50ml)	500	No	29 / 32***	-55°C to 150°C	10
	135381	50ml							
	232543	250ml							
272™	88442	50ml	Red	High Thermal Stability, for large bolts (>M24) with fine threads	9,000	No	23 / 25	-55°C to 232°C	45
277™	232658	50ml	Red	High Chemical Resistance, for large bolts (>M24) with coarse threads	7,000	No	38 / 40	-55°C to 150°C	30
	1496860	250ml							

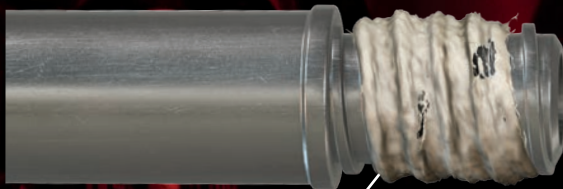
* Pre-torqued to 5 N.m

** Breakaway / Prevail Torque on Zinc Plated Fasteners

*** Breakaway / Prevail Torque, M10 steel nuts & bolts

THREAD SEALANTS

Leaks cause downtime.
Liquid thread sealants prevent them.



PROBLEM

With conventional thread sealants: Pressurised fluids and gas can cause costly leaks and downtime.



SOLUTION

With liquid thread sealants: Joints are sealed to the burst point of most piping systems.

Seal out leaks. Seal in productivity.

Thread sealants fill the space between threaded parts and can provide an instant, low pressure seal that prevents fluid and gas leaks which can cause costly downtime. LOCTITE® has a variety of thread sealants, and the one you need will depend on your system material and thread type.



How to choose a thread sealant.



SUBSTRATE

There's a LOCTITE® thread sealant for any type of piping system.

METAL

For metal-to-metal pipe connections and fittings, use LOCTITE® anaerobic thread sealants. They cure in the absence of air and by contact with metals.

PLASTIC

For metal-to-plastic or plastic-to-plastic threaded pipe connections, use LOCTITE® silicone / cord thread sealants. Both solutions comply with AS/NZS 4020:2018 for potable water systems.



THREAD TYPE

There are two types of threads to consider. The National Pipe Taper (NPT) seal, most widely used in the United States and Canada, which requires a lower strength thread sealant for disassembly. The British Standard Pipe Taper (BSPT), more common in other countries, requires a higher strength thread sealant in order to seal the connection properly.



FORM

Thread sealants are available in a variety of forms, from liquid to paste to solid. Each is suited to different applications. Liquids are ideal for flowing into gaps in threaded connections. Pastes and solids are best for overhead applications where it's necessary to prevent drips, or an instant seal is needed.

Find the right product for your application



SUBSTRATE

Metal

LOCTITE® 567™
LOCTITE® 577™
LOCTITE® 561™
LOCTITE® 569™

Plastic

LOCTITE® SI 5331™
LOCTITE® 55™



Metal THREAD SEALANTS



567™
General Purpose



Substrate: Metal



Thread Type: Tapered, NPT and Straight



Form: Paste

Viscosity: 540,000 Thixotropic
Temperature Resistance: 250°C



577™
General Purpose



Substrate: Metal



Thread Type: Coarse



Form: Paste

Viscosity: 25,000 mPa·s
Temperature Resistance: 180°C



561™
No-drip, No-mess



Substrate: Metal



Thread Type: Tapered and Straight



Form: Semi-solid

Viscosity: Semi-solid
Temperature Resistance: 150°C



569™
Metal Pipes and Fittings



Substrate: Metal



Thread Type: Fine



Form: Liquid

Viscosity: Low
Temperature Resistance: 150°C

Plastic THREAD SEALANTS



SI 5331™
General Purpose



Substrate: Plastic, Metal



Thread Type: Coarse



Form: Paste

Viscosity: 50,000 mPa·s
Temperature Resistance: 150°C



55™
Sealing Cord



Substrate: Plastic, Metal



Thread Type: Coarse



Form: Cord

Viscosity: Cord
Temperature Resistance: 150°C

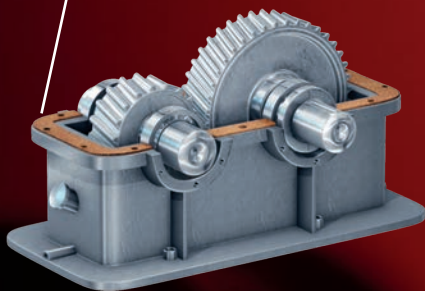
THREAD SEALANTS

Product	Item Number	Pack Size	Features	Colour	Viscosity [cP]	Thixotropic [yes/no]	Temperature Range	Breakloose Torque Steel M10, Pre-torqued 5 N.m
METAL								
567™	2087068	6 ml	For Stainless Steel, High temperature, Potable water approval AS/NZS 4020:2018 PTT40069	Off-White	540,000	Yes	-55°C to 250°C	17
	2779093	50 ml						
	2099597	250 ml	AGA Certificate 3207 to 2000 kPa Class III Domestic Gas					
577™	2779092	50 ml	For use with parallel or tapered fittings. Primerless. Medium-High Strength, General Purpose	Yellow	100,000	Yes	-55°C to 180°C	27
	2099610	250 ml	Watermark WMTS 014:2016 certified - WMK26725, AGA Certificate 4787 to 2000 kPa Class III Domestic Gas					
5770™	1138284	50 ml	High temperature for steam application	Grey	Paste	No	-55°C to 280°C	27
561™	943428	19 g	Easy application on hard to reach areas	Off-White	Semi-solid wax	No	-55°C to 150°C	9
542™	470771	10 ml	Hydraulic / pneumatic sealant up to 1", no fillers	Brown	2,000	No	-55°C to 150°C	25
	234422	50 ml						
569™	234473	50 ml	Hydraulic / pneumatic sealant up to 3/4", no fillers	Brown	400	No	-55°C to 150°C	5
	234475	250 ml	AGA Certificate 3375 to 2000 kPa Class III Domestic Gas					
536™	1787978	50 ml	Low breakloose, high lubricating property	Off-White	820,000	No	-55°C to 177°C	0.5
PLASTIC								
SI 5331™	2061031	100 ml	For plastic and metal, silicone based Potable water approval AS/NZS 4020:2018 PTT40032	White	50,000	No	-55°C to 150°C	4.5
55™	473136	160 m	Safe, fast, and easy to use on Metal and plastic threaded fittings, allows reliable post-adjustment, Polyamide based sealing cord Watermark WMTS 014:2016 certified - WMK26725 AGA Certificate 6007 to 2000 kPa Class III Domestic Gas	White	Cord	No	-55°C to 150°C	Not Applicable



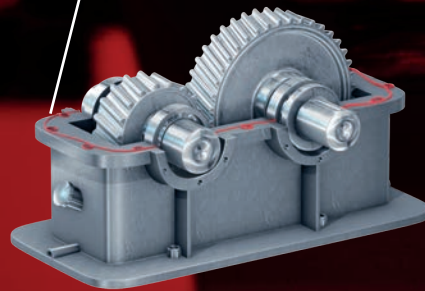
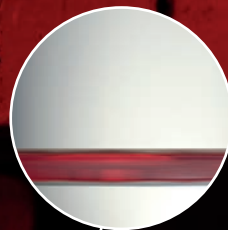
GASKETING PRODUCTS

Cut gaskets leak. **We seal.**



PROBLEM

With compression gaskets:
Not all surface imperfections are filled.
They distort, relax under compression
and displace from the joint.



SOLUTION

With liquid gaskets:
When assembled, all surface imperfections
are filled, adding structural stiffness and
eliminating micromovement and slipping. They
do not shrink, crack or suffer from relaxation.

Liquid gaskets hold up better. **For longer lasting seals.**

To provide a leak-free seal over a long period of time, gaskets must fill voids and be resistant to liquids and/or gases, while withstanding the operating temperatures and pressures to which they are subjected. LOCTITE® offers a range of gasketing products designed for any flange type, gap size or material.



How to choose a gasketing product.



FLANGE TYPE

RIGID MACHINED FLANGES

Rigid, machined flange surfaces typically are designed for no gap, allowing for metal to metal contact. For these assemblies, anaerobic liquid gaskets are the best choice because they provide the highest strength seal.

STAMPED OR FLEXIBLE FLANGES

Typically thinner, stamped metal flanges can have larger gaps that need to be filled. They are also subject to more flex in service. For these types of assemblies, silicone liquid gasketing products provide the best seal.



Find the right
product for
your application



FLANGE TYPE

Rigid Machined Flange

LOCTITE® 518™
LOCTITE® 515™
LOCTITE® 510™
LOCTITE® 573™
LOCTITE® 5127™

Stamped Flange

LOCTITE® SI 5699™
LOCTITE® SI 5900™
LOCTITE® SI 587™
LOCTITE® SI 596™



Rigid Machined Flange

GASKETING PRODUCTS



518™
General Purpose

Colour: Red
Viscosity: 4,000,000 cP Thixotropic
Temperature Resistance: Up to 150°C
Cure Method: Anaerobic



515™
General Purpose

Colour: Purple
Viscosity: 1,500,000 cP Thixotropic
Temperature Resistance: Up to 150°C
Cure Method: Anaerobic



510™
High Temperature

Colour: Opaque Pink
Viscosity: 400,000 cP Thixotropic
Temperature Resistance: Up to 204°C
Cure Method: Anaerobic



573™
Slow Curing

Colour: Green
Viscosity: 23,250 cP Thixotropic
Temperature Resistance: Up to 150°C
Cure Method: Anaerobic



5127™
Highly Flexible

Colour: Blue
Viscosity: 120,000 cP Thixotropic
Temperature Resistance: Up to 150°C
Cure Method: Anaerobic

Stamped Flange

GASKETING PRODUCTS



SI 5699™
Chemical Resistant

Colour: Grey
Viscosity: Paste
Temperature Resistance: 204°C
Cure Method: Moisture



SI 5900™
Instant Seal

Colour: Black
Viscosity: Paste
Temperature Resistance: 232°C
Cure Method: Moisture



SI 587™
High Adhesion

Colour: Blue
Viscosity: Paste
Temperature Resistance: 260°C
Cure Method: Moisture



SI 596™
High Temperature

Colour: Red
Viscosity: Paste
Temperature Resistance: 316°C
Cure Method: Moisture

GASKETING PRODUCTS

Product	Item Number	Pack Size	Colour	Features	Max Gap Fill Unprimed *	Viscosity [cP] 20 RPM	Thixotropic (yes/no)	Temperature Range	Fixture Time Steel
RIGID MACHINED FLANGES									
510™	2779070	50 ml	Opaque Pink	High temperature resistance, Excellent chemical resistance, AGA certificate 2590, up to 500kPa, Class II, Domestic Gas	0.25 mm	400,000	Yes	-55°C to 204°C	20 mins
	1496883	250 ml							
515™	209756	6 ml	Purple	Longer working time; for flexible applications, AGA certificate 2590, up to 500kPa, Class II, Domestic Gas	0.25 mm	1,500,000	Yes	-55°C to 150°C	30 mins
	2779091	50 ml							
	265605	300 ml							
518™	2096062	6 ml	Red	Primerless, oil tolerant, enhanced temperature resistance	0.25 mm	4,000,000	Yes	-55°C to 150°C	10 mins
	2099616	25 ml							
	2779094	50 ml							
	2096061	300 ml							
573™	1580740	250 ml	Green	Low strength, Very Long Open Time	0.25 mm	23,250	Yes	-55°C to 150°C	10 hrs
5127™	555354	50 ml	Dark Blue	Highly flexible	0.25 mm	120,000	Yes	-55°C to 150°C	15 mins
	449138	300 ml							

Product	Item Number	Pack Size	Colour	Feature	Viscosity cps [Mpas] or Extrusion Rate** g/min	Temperature Range	Tack Free Time
STAMPED OR FLEXIBLE FLANGES							
SI 596™ Superflex Red RTV	135507	80 ml	Red	High temperature resistance, good oil resistance, Acetoxy silicone	250 g/min	-59°C to 316°C	1 hr
	287421	85 g					
	198817	300 ml					
	287425	310 g					
SI 5699™ Grey Maxx	287301	95 g	Grey	Outstanding oil resistance, More rigid and harder than the other silicones, Oxine silicone	200 g/min	-59°C to 204°C	30 mins
	473152	300 ml					
SI 5900™ Black Maxx	743913	190 ml	Black	Excellent oil resistance, provides instant seal for auto blowout test	35 g/min	-54°C to 232°C	10 mins
	212184	300 ml					
SI 587™ Blue Maxx	332651	95 g	Blue	Excellent oil and coolant resistance, Low odour, Low VOC's	275 g/min	-59°C to 260°C	30 mins
	333949	300 ml					
SI 5920™ Copper Maxx	287437	85 g	Copper	High temperature resistance, good oil resistance, Oxine silicone	275 g/min	-54°C to 350°C	40 mins

*Note: To increase gap fill, use a primer

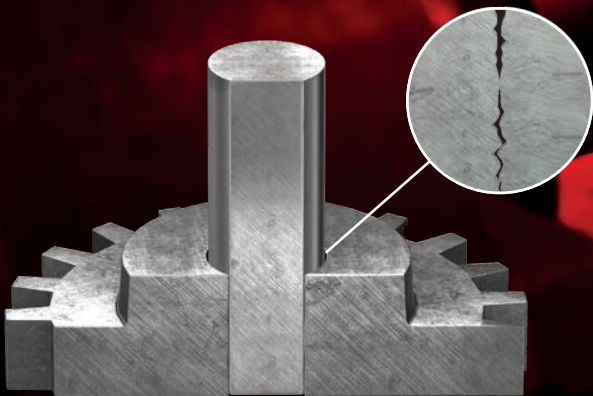
**Different viscosity test used



RETAINING COMPOUNDS

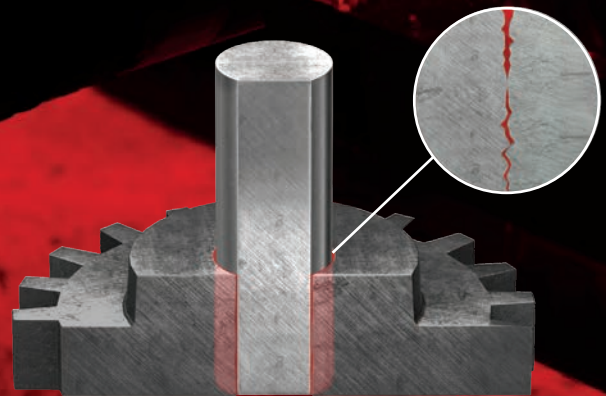
LOCTITE[®] retaining compounds secure components.

For strong reliable assemblies.



PROBLEM

Without retaining compounds:
Mechanical fitting methods leave gaps between fitted parts which cause cylindrical assembly failure.

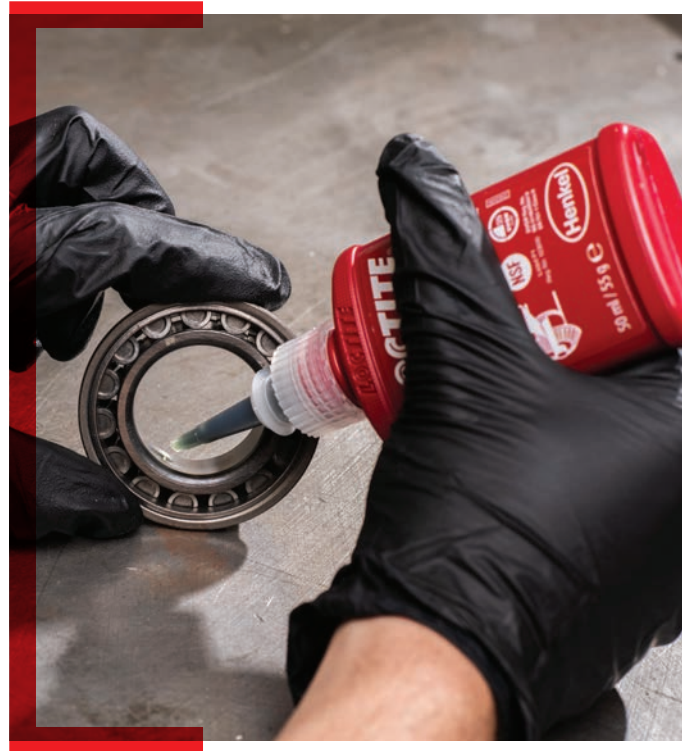


SOLUTION

With retaining compounds:
Gaps are unitised to provide higher torsional loads and prevent fretting corrosion.

High loads high strength products

Retaining compounds secure bearings, keyways and cylindrical parts into housings or onto shafts, forming strong assemblies. LOCTITE® retaining compounds offer an effective and economical method to eliminate challenges like loosening, corrosion, backlash and wearing by unitising the assembly and providing uniform stress distribution.



How to choose a retaining compound.



GAP SIZE

UP TO 0.15 MM

Typically, lower viscosity retaining compounds are used for gaps up to 0.15 mm. These are typically tight fitting interference fits like those found in press & shrink fits.

0.15 MM TO 0.25 MM

For gaps above 0.15 mm retaining compounds with higher viscosities that allow for better gap fill are used. These include bonded slip fits.

0.25 MM TO 0.5 MM

For assemblies with large gaps that are badly worn, special paste-like retaining compounds should be used.



TEMPERATURE RESISTANCE

Most LOCTITE® retaining compounds are able to withstand temperatures of -55°C to +150°C. However, certain chemistries are available that withstand temperatures up to 180°C to 230°C for assemblies which see higher service temperatures.



STRENGTH

A high-strength retaining compound is recommended for applications that do not need to be disassembled or require extremely high torsional loads. If parts need to be taken apart for maintenance, a lower strength product should be used to aid in disassembly.

Degrease, clean and dry surfaces prior to applying the retaining compound – use LOCTITE® SF 7063. If the retaining compound is applied below 5°C, pre-treatment with LOCTITE® SF 7649 is advised. Use in conjunction with existing designs to increase their strength. For shrink fit assemblies, please contact your local Sales Engineer.

RETAINING COMPOUNDS

Find the right product for your application



GAP SIZE

Gap Size Up To 0.15 mm

LOCTITE® 609™

LOCTITE® 641™

LOCTITE® 648™

Gap Size 0.15 to 0.25 mm

LOCTITE® 232™

LOCTITE® 620™

LOCTITE® 638™

LOCTITE® 635™

LOCTITE® 680™

Gap Size 0.25 to 0.5 mm

LOCTITE® 660™

Gap Size up to 0.15 mm

RETAINING COMPOUNDS



609™

General Purpose



Temperature Resistance:
150°C



Strength: 15.8 N/mm²

Cure Speed: 24 hours
Fixture Time: 15 minutes*



641™

Medium Strength



Temperature Resistance:
150°C



Strength: 6.5 N/mm²

Cure Speed: 24 hours
Fixture Time: 25 minutes*



648™

High Strength



Temperature Resistance:
180°C



Strength: 31 N/mm²

Cure Speed: 24 hours
Fixture Time: 3 minutes*



RETAINING COMPOUNDS

Product	Item Number	Pack Size	Colour	Features	Viscosity [cP]	Compressive Shear Strength, Steel to Steel, psi (N/mm ²)	Fixture Time [min]	Temperature Range
GAP SIZE - UP TO 0.15 mm								
609™	471311	10 ml	Green	Medium strength - excellent load transmission capabilities, augment press fits	120	15.8	15	-55°C to 150°C
	234551	50 ml						
	234549	250 ml						
640™	135521	250 ml	Green	High Strength, slow fixture, Mil-R-46082B / ASTM D5363 tested	600	22	30	-55°C to 180°C
641™	469090	10 ml	Green	Controlled strength - ideal for cylindrical parts that require disassembly	600	6.5	20	-55°C to 150°C
	1496887	10 ml (automotive)						
	1496859	50 ml						
	1496874	250 ml						
648™	1800518	50 ml	Green	High strength, primerless, fast fixturing	500	25*	3	-55°C to 180°C
GAP SIZE - UP TO 0.25 mm								
635™	135516	50 ml	Green	High strength, Mil-R-46082B / ASTM D5363 tested	2000	20	30	-55°C to 150°C
	135517	250 ml						
638™	1878045	50 ml	Green	High strength for slip-fitted parts, primerless	2500	25**	4	-55°C to 180°C

* Increase to 31 N/mm² after 7 days cure

** Increase to 29 N/mm² after 7 days cure

Gap Size - 0.15 mm to 0.25 mm

RETAINING COMPOUNDS



232™
High Lubricity



Temperature Resistance:
150°C



Strength: 7 N/mm²

Cure Speed: 24 hours
Fixture Time: 5 hours*



620™
High Temperature



Temperature Resistance:
230°C**



Strength: 17.2 N/mm²

Cure Speed: 24 hours
Fixture Time: 60 minutes*



680™
General Purpose



Temperature Resistance:
180°C



Strength: 26 N/mm²

Cure Speed: 24 hours
Fixture Time: 4 minutes*



638™
High Strength



Temperature Resistance:
180°C



Strength: 29 N/mm²

Cure Speed: 24 hours
Fixture Time: 4 minutes*



635™
Mil-Spec



Temperature Resistance:
150°C



Strength: 20 N/mm²

Cure Speed: 24 hours
Fixture Time: 30 minutes*



660™
Badly Worn Assemblies
Use with LOCTITE SF 7649

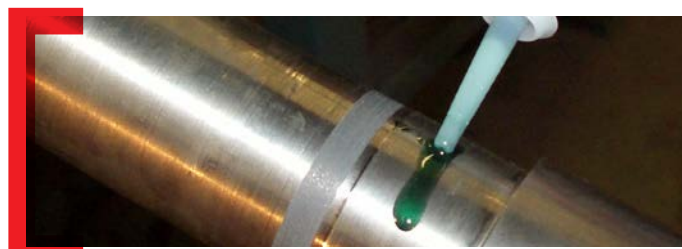


Temperature Resistance:
150°C



Strength: 17.2 N/mm²

Cure Speed: 24 hours
Fixture Time: 15 minutes *



* Fixture time measured at room temperature on steel joints
** After 30 min. heat cure at 180°C

RETAINING COMPOUNDS

Product	Item Number	Pack Size	Colour	Features	Viscosity [cP]	Compressive Shear Strength, Steel to Steel, psi (N/mm²)	Fixture Time [min]	Temperature Range
GAP SIZE - UP TO 0.25 mm								
680™	1878433	50 ml	Green	High strength, fast fixturing, primerless, best resistance to dynamic, axial, and radial loads. Potable water approval AS/ NZS 4020:2018 PST20158	1300	19***	4	-55°C to 180°C
	1878498	250 ml						
620™	234772	10 ml	Green	High strength, slow fixture, high temperature and heat aging resistance	8,000	17	60	-55°C to 230°C
	234776	50 ml						
	135515	250 ml						
232™	1381765	250 ml	Brown	High lubricity to facilitate smooth assembly of heavy interference / press fits, Prevents galling and metal pick-up during assembly	6,200	7	5 hrs	-55°C to 150°C
GAP SIZE - 0.5 mm								
660™	473167	6 ml	Silver	High Strength, large gap fill for repairing worn coaxial parts without remachining	250,000	17	15	-55°C to 150°C
	473166	50 ml						

*** Increase to 26 N/mm² after 7 days cure



INSTANT ADHESIVES

Fast, lightweight, multi-material bonding. **For more design options.**



PROBLEM

Without instant adhesives:
Fastening options that
add complexity, slow
production or limit
materials.



SOLUTION

With instant adhesives:
Strong, fast lightweight
bonding of a wide range
of materials.

Bonds more material. **Faster.**

Instant adhesives are ideal for bonding small to medium-size parts with close fitting, smooth surfaces. They provide fast cure speeds and excellent bond strengths to a wide variety of substrates. LOCTITE® instant adhesives are available in a range of formulations for anything from general purpose repairs to specialty high-performance assembly applications.



How to choose an instant adhesive.

GENERAL PURPOSE vs. SPECIALTY ADHESIVES

LOCTITE® has an instant adhesive formulated for almost any application.

GENERAL PURPOSE – Strong and versatile enough for the vast majority of applications, including acidic surfaces such as chromated or galvanised metals and porous substrates such as wood, paper, leather, cork and fabric.

TOUGHENED – Elastomer modified adhesives for applications subjected to high shock, impact and humidity.

FLEXIBLE – For bonding materials subjected to bending or distortion, as well as flexible components, and acidic surfaces.

HIGH TEMPERATURE – For operating temperatures up to 120°C.

LOW ODOUR/LOW BLOOM – Low volatile adhesives for applications where cosmetic appearance, minimal frosting and low odour is required.

HIGH GAP FILL – For applications with gaps up to 0.15 mm. 2-K technologies provide fast cure independent of gaps up to 5mm.



VISCOSITY

Available in viscosities from thin liquids to thixotropic, no-run gels.



FIXTURE SPEED

Available in various fixture speeds to accommodate applications that may require instant set times to those that may require minor adjustment time.



STRENGTH

Available in shear resistant, general purpose formulations to toughened, high impact, high peel resistant formulations to meet the specific strength requirements of your application.

Find the right product for your application



General Purpose

LOCTITE® 401™
LOCTITE® 406™
LOCTITE® 454™

High Gap Fill

LOCTITE® 3090™

General Maintenance

LOCTITE® 407™
LOCTITE® 416™
LOCTITE® 424™
LOCTITE® 4471™

Toughened

LOCTITE® 410™
LOCTITE® 435™
LOCTITE® 438™
LOCTITE® 480™

Low Odour / Low Bloom

LOCTITE® 403™
LOCTITE® 408™
LOCTITE® 460™



General Purpose

INSTANT ADHESIVES



401™
Low Viscosity



Viscosity: 110 mPa.s



Fixture Speed: 5 seconds
Full Cure: 24 hours



Strength: 20 N/mm²

Colour: Clear

Temperature Resistance: 120°C



406™
Wicking Grade



Viscosity: 20 mPa.s



Fixture Speed: 20-45 seconds
Full Cure: 24 hours



Strength: 15.5 N/mm²

Colour: Clear

Temperature Resistance: 120°C



454™
No-Run Gel



Viscosity: Gel



Fixture Speed: 30-60 seconds
Full Cure: 24 hours



Strength: 20.9 N/mm²

Colour: Clear

Temperature Resistance: 120°C

High Gap Fill

INSTANT ADHESIVES



3090™
Two-component Gel



Viscosity: Gel



Fixture Speed: 90-180 seconds
Full Cure: 24 hours



Strength: 21 N/mm²

Colour: Clear to Slightly Cloudy

Temperature Resistance: 80°C



General Maintenance

INSTANT ADHESIVES



407™

General Purpose



Viscosity: 40 mPa.s



Fixture Speed: 10-30 seconds
Full Cure: 24 hours



Strength: 21 N/mm²

Colour: Transparent, colourless to straw
Temperature Resistance: 100°C



416™

High Viscosity



Viscosity: 1325 mPa.s



Fixture Speed: 20-50 seconds
Full Cure: 24 hours



Strength: 22 N/mm²

Colour: Clear
Temperature Resistance: 80°C



424™

Rubber Bonding



Viscosity: 110 mPa.s



Fixture Speed: 15-30 seconds
Full Cure: 24 hours



Strength: 22 N/mm²

Colour: Transparent, colourless to straw
Temperature Resistance: 80°C



Toughened

INSTANT ADHESIVES



410™

Black, Gap Filling



Viscosity: 3350 mPa.s



Fixture Speed: 60-120 seconds
Full Cure: 24 hours



Strength: 22 N/mm²

Colour: Black
Temperature Resistance: 80°C



435™

Clear, Surface Insensitive



Viscosity: 175 mPa.s



Fixture Speed: 30-45 seconds
Full Cure: 24 hours



Strength: 19 N/mm²

Colour: Clear
Temperature Resistance: 100°C



438™

Black version of 435



Viscosity: 175 mPa.s



Fixture Speed: 30-45 seconds
Full Cure: 24 hours



Strength: 19 N/mm²

Colour: Black
Temperature Resistance: 100°C



480™

Black, High Strength



Viscosity: 150 mPa.s



Fixture Speed: 60-120 seconds
Full Cure: 24 hours



Strength: 26 N/mm²

Colour: Black
Temperature Resistance: 82°C

Low Odour / Low Bloom

INSTANT ADHESIVES



403™

Gap Filling



Viscosity: 1325 mPa.s



Fixture Speed: 20-45 seconds
Full Cure: 24 hours



Strength: 20.3 N/mm²

Colour: Transparent, Colourless to Pale Yellow
Temperature Resistance: 100°C



408™

Wicking Grade



Viscosity: 7 mPa.s



Fixture Speed: 20-30 seconds
Full Cure: 24 hours



Strength: 20.8 N/mm²

Colour: Transparent, Colourless to Straw
Temperature Resistance: 100°C



460™

Low Viscosity



Viscosity: 40 mPa.s



Fixture Speed: 10-30 seconds
Full Cure: 24 hours



Strength: 21 N/mm²

Colour: Transparent, Colourless to straw
Temperature Resistance: 100°C

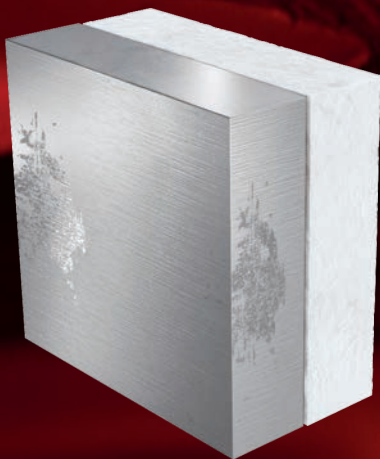


INSTANT ADHESIVES								
Product	Item Number	Pack Size	Colour	Viscosity [mPa.s]	Max Gap Fill	Fixture Speed, Steel [sec]	Shear Stength, GBMS	Temperature Range
GENERAL PURPOSE								
401™	547691	3 g	Clear	110	0.127 mm	5	20 N/mm² 2900 psi	-40°C to 120°C
	265607	25 ml						
	265618	100 ml						
	265620	500 ml						
406™	265606	25 ml	Clear	20	0.102 mm	20 - 45	15.5 N/mm² 2250 psi	-40°C to 120°C
	265619	100 ml						
	265621	500 ml						
454™	233998	3 g	Clear	Gel	0.254 mm	30 - 60	20.9 N/mm² 3030 psi	-40°C to 120°C
	466862	20 g						
	234004	200 g						
GENERAL MAINTENANCE								
407™	233732	100 g	Transparent, colourless to straw	40	0.102 mm	10 - 30	21 N/mm² 3045 psi	-40°C to 100°C
416™	461520	25 ml	Clear	1325	0.203 mm	20 - 50	22 N/mm² 3190 psi	-40°C to 80°C
424™	265609	25ml	Transparent, colourless to straw	110	0.127 mm	15 - 30	22 N/mm² 3190 psi	-40°C to 80°C
4471™	158530	20 g	Clear	625	0.178 mm	10 - 20	22 N/mm² 3190 psi	-40°C to 80°C
TOUGHENED								
410™	135444	20 g	Black	3350	0.203 mm	60 - 120	22 N/mm² 3190 psi	-40°C to 80°C
435™	914156	25 g	Clear	175	0.152 mm	30 - 45	19 N/mm² 2700 psi	-40°C to 100°C
	840071	500 ml						
438™	914155	25 ml	Black	175	0.152 mm	30 - 45	19 N/mm² 2700 psi	-40°C to 100°C
480™	1831562	20 g	Black	150	0.152 mm	60 - 120	26 N/mm² 3800 psi	-40°C to 82°C
	135253	500 g						
LOW ODOUR / LOW BLOOM								
403™	1919337	20 g	Transparent, colourless to pale yellow	1325	0.203 mm	20 - 45	20.3 N/mm² 2940 psi	-40°C to 100°C
408™	473128	25 ml	Transparent, colourless to straw	7	0.051 mm	20 - 30	20.8 N/mm² 3020 psi	-40°C to 100°C
460™	473121	25 ml	Transparent, colourless to straw	40	0.102 mm	10 - 30	21 N/mm² 3060 psi	-40°C to 100°C
	142600	500 g						
HIGH GAP FILL								
3090™	1379599	10 g	Clear to slightly cloudy	Gel	5.0 mm	90 - 180	21 N/mm² 3045 psi	-40°C to 80°C

UNIVERSAL BONDERS

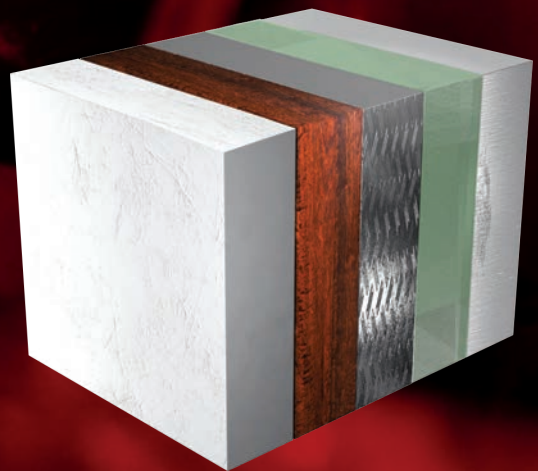
HY 4070™ and HY 4090™.

Almost nothing they can't do.



PROBLEM

Without Universal Bonders:
Multiple material assemblies
require additional primers,
more cure time and are
susceptible to vibration,
temperature changes and
humidity.



SOLUTION

With Universal Bonders:
Strong, durable, fast
bonding of multiple
materials.

The most versatile adhesive. In your toolbox.



HY 4070™

Universal Bonder
Ultra Fast Structural Adhesive

LOCTITE® HY 4070™ is a 2-part, transparent, colourless to pale yellow cyanoacrylate/acrylic hybrid gel adhesive that provides a fast fixture at room temperature in bond gaps up to 5 mm. It suits various substrates including most plastics, rubbers and metals. It is used where complete cure of excess adhesive as well as temperature and moisture resistance is required.



Fixture Time: <60 seconds



Strength: 25 N/mm²



Substrate: Plastic, Rubber, Metal, Wood

Nozzles

UNIVERSAL BONDBERS



Item number: 1453183



Fast curing adhesives. For industrial design solutions.



HY 4090™

Universal Bonder
Fast & Versatile Structural Adhesive

LOCTITE® HY 4090™ is an off-white to light yellow gel with high viscosity. It opens up new application areas in structural bonding by combining instant adhesive properties with those of epoxies to give more striking benefits:

- Fixture time of 90-180 seconds and suitable for gaps up to 5 mm
- Resistant to vibration, shock loads and impacts



Fixture Time: <180 seconds



Strength: 17 N/mm²



Substrate: Plastic, Rubber, Metal, Wood

Dispensers

UNIVERSAL BONDBERS



Dual Cartridge Applicator

50 ml

Manual: 720228

Nozzles

UNIVERSAL BONDBERS



50 ml

Item number: 1826921

Product	Item Number	Pack Size	Features	Colour	Gap Fill	Viscosity	Mix Ratio	Temperature Range	Fixture Time	Lap Shear Strength, GBMS
HY 4070™	2264448	11 g	Ultra-fast, multi-substrate bonder	Transparent to Pale Yellow	5 mm	Gel	10:1	-40°C to 120°C	<60 sec (aluminium, 0.05mm gap)	25 N/mm²
HY 4090™	2113520	50 g	High strength multi-material bonder; fast strength build; good environmental resistance	Off-White to yellow	5 mm	Gel	1:1	-40°C to 150°C	< 180 sec	17 N/mm²
HY 4090™ GY	2151898	50 g	High strength multi-material bonder; fast strength build; good environmental resistance	Grey	5 mm	Gel	1:1	-40°C to 150°C	< 180 sec	17 N/mm²

STRUCTURAL ADHESIVES

Superior speed,
aesthetics and strength.
Without the weight.



PROBLEM

With traditional fastening:
Added weight, time, cost
and difficulty.



SOLUTION

With structural adhesives:
Lightweight, strong,
durable, less expensive
fastening with better end
product aesthetics.

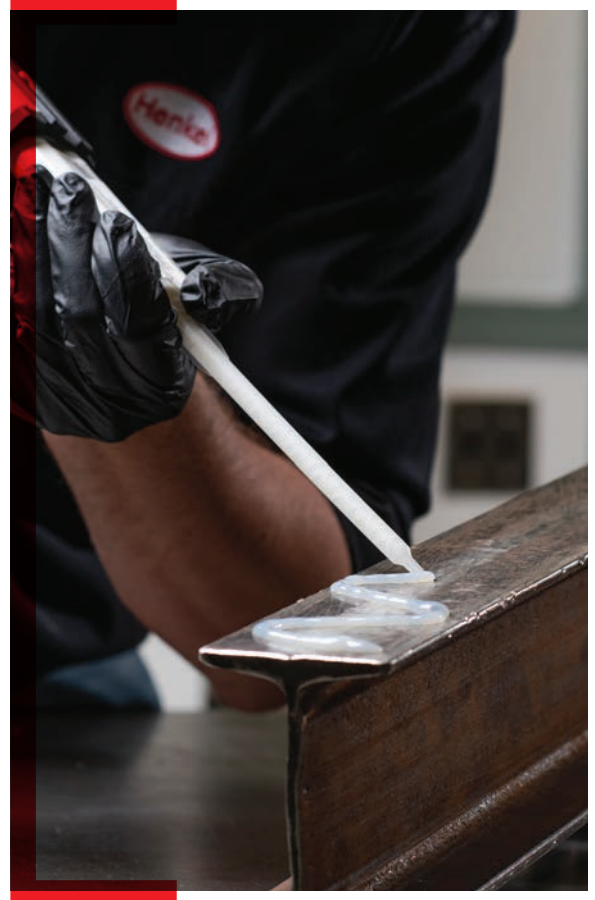
Take off the weight. Take on the load.

Structural adhesives join two materials firmly and permanently using an adhesive “bridge” between the substrates. They eliminate many of the shortcomings of mechanical methods, such as:

- Improper stress distribution which can affect product reliability
- Added weight to the end-product which can increase costs

They are also easier to apply and assemble.

Selection factors to consider include adhesive-material compatibility and joint requirements.



How to choose a structural adhesive.

GENERAL PURPOSE vs. SPECIALTY ADHESIVES

LOCTITE® has a wide range of structural adhesives, from general purpose — strong and versatile enough to cover the majority of applications, to specialty — formulated for the rare cases where general purpose won't do.

HIGH PERFORMANCE

Solutions designed for a range of product needs, with respect to impact strength, peel strength, durability, working time etc.

FLEXIBLE SOLUTIONS

Offering excellent shock absorption, elasticity and adhesion to plastics, metals and glass.

SPECIAL SUBSTRATES

From epoxies designed to be safe for food and water contact to acrylics and polyurethanes for bonding e-coated metals, rigid foams, plastics and glass.

BONDING FERRITE COMPONENTS

Epoxies and acrylics designed for the specific requirements of bonding ferrite.

POTTING

Flowable epoxies designed for filling cavities and protecting components.



FIXTURE SPEED

A range of fixture times from ultra fast to slow to meet your process requirements.



SUBSTRATE

LOCTITE® structural adhesives can bond most materials.

Find the right product for your application



GENERAL PURPOSE

LOCTITE® AA 330™

LOCTITE® EA 3801™

SPECIALTY

High Performance

LOCTITE® AA H4800™
LOCTITE® AA H8000™
LOCTITE® EA E-20HP™

Flexible Solutions

LOCTITE® EA E-05CL™
LOCTITE® UK U-09FL™

Special Substrates

LOCTITE® AA 3038™
LOCTITE® Epoxy Weld™

Magnet Bonding

LOCTITE® AA 324™

Potting

LOCTITE® EA E-30CL™
LOCTITE® EA E-60NC™

*Refer to Technical Data Sheet (TDS) for more information.



General Purpose

STRUCTURAL ADHESIVES



AA 330™
Small Gap



EA 3801™
Fast Fixture

THIS PRODUCT REQUIRES
AN ACTIVATOR **SF 7387™**



Fixture Speed: 4 minutes



Substrate: Aluminium, Ceramic, Concrete, Glass, Metal, Stainless Steel, Steel, Wood

Gap: 0.5mm

Temperature Resistance: 120°C

Colour: Pale Yellow

Chemistry: Two-step Acrylic



Working Time: 5 minutes



Substrate: Aluminium, Ceramic, Concrete, Glass, Steel, Wood, Copper Alloys and most Plastics

Temperature Resistance: 65°C

Colour: Translucent Yellow

Chemistry: Epoxy

High Performance

STRUCTURAL ADHESIVES



AA H4800™
High Impact, Environment Resistance



AA H8000™
High Impact, High Peel



Working Time: 30 minutes



Substrate: Acrylonitrile ABS, Aluminium, FRP, Gel Coat, PVC, RTM, Stainless Steel, Mild Steel

Temperature Resistance: 110°C

Colour: Light Yellow

Chemistry: Methyl Methacrylate



Working Time: 15 minutes



Substrate: ABS, Aluminium, FRP, Gel Coat, PVC, RTM, Stainless Steel, Mild Steel

Temperature Resistance: 100°C

Colour: Green

Chemistry: Methyl Methacrylate



EA E-20HP™
High Shear, High Peel



Working Time: 20 minutes



Substrate: Aluminium, Ceramic, Concrete, Glass, Metal, Steel, Stainless Steel, Wood

Temperature Resistance: 80°C

Colour: Off-white

Chemistry: Epoxy

Flexible Solutions

STRUCTURAL ADHESIVES



EA E-05CL™
Fast Fixture



UK U-09FL™
High Flexibility



Working Time: 3 minutes



Substrate: Aluminium, Ceramic, Concrete, Glass, Metal, Plastic, Stainless Steel, Steel, Wood

Temperature Resistance: 80°C
Colour: Clear
Chemistry: Epoxy



Working Time: 10 minutes



Substrate: Polycarbonate, PVC, Acrylic, ABS, Steel, Aluminium, Stainless Steel

Temperature Resistance: 93°C
Colour: Clear
Chemistry: Polyurethane

Special Substrates

STRUCTURAL ADHESIVES



AA 3038™
Difficult to Bond Plastics



Epoxy Weld™
Metal Repair/Rebuild



Working Time: 4 minutes



Substrate: Polyolefin, Polypropylene, PPGF, Polyethylene LDPE, HDPE, PTFE

Temperature Resistance: 100°C
Colour: Off-White
Chemistry: Methyl Methacrylate



Working Time: 5 minutes



Substrate: Iron, Steel, Aluminium, Brass, Bronze, Copper, Pewter

Temperature Resistance: 150°C
Colour: Grey
Chemistry: Epoxy

Magnet Bonding

STRUCTURAL ADHESIVES



AA 324™
Ultra Fast Fixture

THIS PRODUCT REQUIRES AN ACTIVATOR **SF 7387™**



Fixture Speed: 5 minutes



Substrate: Metal

Gap: 0.5 mm
Temperature Resistance: 100°C
Colour: Transparent, light amber
Chemistry: Acrylic



Potting

STRUCTURAL ADHESIVES



EA E-30CL™
Chemical Resistant, Ultra-Clear



EA E-60NC™
Non-corrosive



Working Time: 30 minutes



Substrate: Ceramics, Glass, Metals, Optical Fibers, Rigid Plastics

Temperature Resistance: 100°C
Colour: Ultra-Clear
Chemistry: Epoxy



Working Time: 60 minutes



Substrate: Ceramics, Glass, Metals, Optical Fibers, Rigid Plastics

Temperature Resistance: 100°C
Colour: Black
Chemistry: Epoxy

Equipment

STRUCTURAL ADHESIVES

DISPENSERS



50 ml
Dual Cartridge Applicators
1:1, 2:1, 4:1
Manual: 720228
Pneumatic: 476898

50 ml
Dual Cartridge Applicators
10:1 S-Style
Manual: 1034026

400 ml
1:1, 2:1, 4:1, 10:1
Manual: 2693823
Pneumatic: 2693825

STRUCTURAL ADHESIVES

STRUCTURAL ADHESIVES - 2-STEP ACRYLICS

Product	Item Number	Pack Size	Features	Colour	Viscosity	Gap Fill [max]	Fixture Time	Shear Strength [GBMS]	Temperature Range
GENERAL PURPOSE									
AA 330™	1689437	300 ml	Toughness, impact, peel and moisture resistance. Requires a SF 7387 activator	Cloudy, colourless to pale yellow	67500 cP	0.5 mm	4 mins	23 N/mm²	-55°C to 120°C
	1690727	25ml + 25g activator kit							
MAGNET BONDING									
AA 324™	88478	50 ml	Toughness, impact and peel resistance. Cures between close fittings parts. Requires a SF 7387 activator.	Transparent, light amber	17000 cP	0.5 mm	5 mins	18 N/mm²	-55°C to 100°C

STRUCTURAL ADHESIVES - 2-PART ACRYLICS

Product	Item Number	Pack Size	Features	Colour	Viscosity	Working Time	Shear Strength	Peel Strength, Steel	Temperature Range
GENERAL METAL BONDERS									
AA H8000™	996453	50 ml	Excellent impact and peel strength especially on aluminium, fast fixture time at room temp, non-sag, little surface prep required, excellent environmental resistance.	Green	125,000 cP	15 mins	19.3 N/mm² (GBMS)	8 N/mm	-55°C to 100°C
	411833	490 ml							
PLASTIC AND COMPOSITE BONDERS									
AA 3038™	1070182	490 ml	Polyolefin bonder; strong adhesion to polyethylene and polypropylene. Fast fixture time, impact resistance. 0.25mm spacer beads.	Clear / Yellow	12,000 cP	4 mins	11.4 N/mm2 (HDPE)	10 N/mm	-55°C to 100°C
AA H4800™	2061246	490 ml	Excellent environmental resistance and tolerance to off-ratio mixing, excellent impact, toughness and peel strength, non-sag, slightly flexible.	Light Yellow	50,000 cP	30 mins	16 N/mm² (GBMS)	14 N/mm	-55°C to 110°C



STRUCTURAL ADHESIVES - EPOXIES								
Product	Item Number	Pack Size	Features	Colour	Viscosity	Working Time	Shear Strength (GBMS)	Temperature Range
HIGH PERFORMANCE								
EA E-20HP™	237107	50 ml	Structural bonder with high impact, peel resistance and shear strength. Excellent bond strength to metals, plastics, dry concrete, limestone. Good chemical and solvent resistance, electrical insulator.	Off-White	40,000 cP	20 mins	22 N/mm²	-40°C to 80°C
	237109	400 ml						
EA E-30CL™	237116	50 ml	Excellent bond strength to glass, plastics, metals, limestone. Impact resistance. Good chemical and solvent resistance, electrical insulator for potting and fiber optic applications.	Ultra Clear	6,000 cP	30 mins	21 N/mm²	-40°C to 100°C
	237118	400 ml						
EA E-60NC™	237113	50 ml	Rigid. Long working time. Non-corrosive, electrical insulator for electronic, encapsulating and potting applications. Good environmental and chemical resistance.	Black Opaque	8,000 cP	60 mins	18.1 N/mm²	-40°C to 100°C
EA 9460™	416033	2.3 kg	Non-sag. High shear strength, impact and peel resistance. Long working time. Flexible. Good chemical, fuel, oil and moisture resistance.	Grey	200,000 cP	50 mins	24.1 N/mm²	-40°C to 100°C
FAST FIXTURE								
EA E-05CL™	237099	50 ml	Fast fixture time. Toughened, good peel resistance. Flexible. Wide range of chemical and solvent resistance. Electrical insulator. Low odour.	Ultra Clear	2,500 cP	3 mins	10 N/mm²	-40°C to 80°C
Epoxy Weld Bonding Compound™	2040806	56 ml	Fast fixture time, tough, high strength. Repair, fill and rebuild metal surfaces. Can be sanded, drilled, machined when cured. Resistant to most shop chemicals and solvents. Electrical insulator.	Grey	Paste	5 mins	25.8 N/mm²	-55°C to 150°C
EA 3801™	168330	29.5 ml	General purpose, fast fixture time. Dual syringe. Flexible. Good chemical, solvent and fuel resistance, electrical insulator.	Translucent Yellow	15,000 cP	3 mins	16 N/mm²	-40°C to 65°C
STRUCTURAL ADHESIVES - POLYURETHANE								
UK U-09FL™	563159	50 ml	Urethane adhesive for plastic bonding. Impact and peel resistance. Highly flexible.	Ultra Clear	5,000 cP	10 mins	10 N/mm²	-40°C to 93°C



CLEANERS

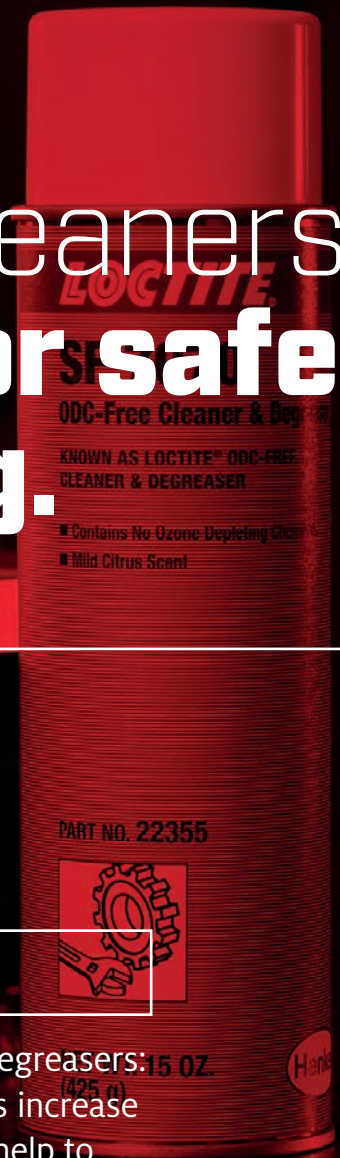
Over 60 years of experience with cleaners and degreasers. **For safe, effective cleaning.**

PROBLEM

Without cleaners and degreasers: Contaminants, soils and oils on components cause performance failures in production and plant operations.

SOLUTION

With cleaners and degreasers: Cleaner components increase production quality, help to decrease operating costs, and maximise performance of LOCTITE® Adhesives.



Clean parts, hands and **mechanical equipment**

LOCTITE® cleaners and degreasers provide highly effective water- and solvent-based cleaning of components, worktops, floors, parts and hands. The major factors to consider are drying time, residue, odour and substrate compatibility.



How to choose the right cleaner.

DEGREASING/PARTS CLEANING

For removing dirt, resins, metal filings, lacquer, oils and greases from components.

HAND CLEANING

Available with and without abrasives for removing dirt, grease, grime, oil and adhesives from hands.



Find the right product for your application



Degreasers / Parts Cleaners

LOCTITE® SF 7070™

LOCTITE® SF 7063™

LOCTITE® SF 7840™

LOCTITE® SF 790™

LOCTITE® SF 7633™

LOCTITE® SF 7200™

Hand Cleaners

LOCTITE® SF 7617™

LOCTITE® SF 7850™



Degreasers & Parts Cleaners



SF 7070™
ODC-Free

A non-aqueous, hydrocarbon-based solvent designed for cleaning and degreasing surfaces, as well as for general-purpose industrial cleaning. Safe on aluminium, rubber and most plastics, and will not cause flash rusting on water-sensitive parts.



SF 7063™
Parts Cleaner

General purpose, non-CFC solvent based parts cleaner and degreaser for use prior to bonding and sealing applications. Dries fast and residue-free. Use to prepare surfaces prior to application of adhesive or sealant.



SF 7840™
Water-based

Industrial strength, general purpose cleaner and degreaser. Contains no hazardous solvents, is biodegradable, non-flammable, non-toxic and cherry scented. Concentrated formula can be diluted with water.



SF 790™
Gasket Remover

A gray to off-white methylene chloride liquid solvent in an aerosol spray designed to remove baked-on chemical gaskets, gasket cements and conventional gasket materials from metal surfaces. Its aerosol spray form enables spray application on to intricate shapes with maximum penetration.



SF 7633™
Parts Cleaner

Non chlorinated parts cleaner formulated for removing oil, grease, fluids, oxidised oils (gum) and asphalt from metal parts including aluminium. Penetrates dirt and corrosion and flushes them away, eliminating the need to disassemble.



SF 7200™
MC Free Gasket Remover

Methylene chloride free, solvent-based cleaner designed to remove cured chemical gaskets on metal flanges. Particularly suitable for aluminium or other soft metal flanges, where scraping could lead to surface damage. Will not run, even on vertical surfaces.

Hand Cleaners



SF 7617™
Wipes

Citrus-scented hand cleaning towels with a cleaning formula that is capable of removing tar, grease, wax, ink, paint, lubricants and adhesives.



SF 7850™
Hand Cleaner

Citrus scented general purpose hand cleaner containing no petroleum solvents. It cleans with or without water and can remove ground-in dirt, grease, resin, inks, oils and stains whilst soothing and protecting hands.

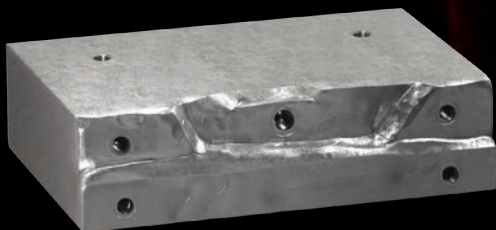
CLEANERS

Product	Item Number	Package Size	Drying Time	Residue/ Rinsability	Odour
DEGREASERS					
SF 7070™	88365	400 ml	Few hours depending on environment. Oily residue is slow drying. Wiping or blowers will accelerate dry time	No rinse. Oily residue dries slowly	Citrus
SF 7840™	2046049	709 ml	Equivalent to the evaporation rate of water. Wiping or blowers will accelerate dry time	Rinses residue-free with water	Cherry
	2046047	3.78 L			
	2046048	18.9 L			
PART CLEANERS					
SF 7063™	2098749	400 ml	< 60 secs	No rinse and no residue	Solvent
SF 7200™	2099006	400 ml	Does not dry. Allow 10 - 30 minutes to soften gaskets, then wipe or scrape clean	Oily residue	Solvent
SF 790™	135544	510 g	Does not dry. Allow 5 - 10 minutes to soften gaskets, then wipe or scrape clean	Oily residue	Solvent
SF 7633™	1506652	411 g	Does not dry. Allow 30 minutes to dwell, then wipe	No rinse and no residue	Solvent
HAND CLEANER					
SF 7617™	337637	75 wipes	1 to 5 mins	No rinse and no residue	Citrus
SF 7850™	366943	400 ml	1 to 5 mins	Liquid and abrasive residue. Wipe or rinse if desired	Citrus
	367218	4 L			



REBUILDING PRODUCTS

Repair shafts and other steel, aluminium or rubber components. **For longer life and better chemical resistance.**



PROBLEM

Without rebuilding: Damaged components reduce process efficiency, add excess stress to equipment, increase safety hazards and most importantly, add costs.



SOLUTION

With rebuilding: Equipment is repaired quickly on-site, component integrity and seals are restored, process efficiencies are enhanced, and costs are minimised through part and component salvage.

Rebuilding damaged parts.

Rebuilding solutions can be used to repair rubber, steel, aluminium and other metal components. Metal rebuilding solutions offer high compressive strength and can be machined, drilled or tapped after cure. Rubber repair solutions offer excellent abrasion resistance and outstanding adhesion to metal and rubber.



How to choose a rebuilding product.

Choose a rebuild product based on substrate type and form of solution desired. LOCTITE® offers a range of rebuilding solutions from kneadable to flowable.



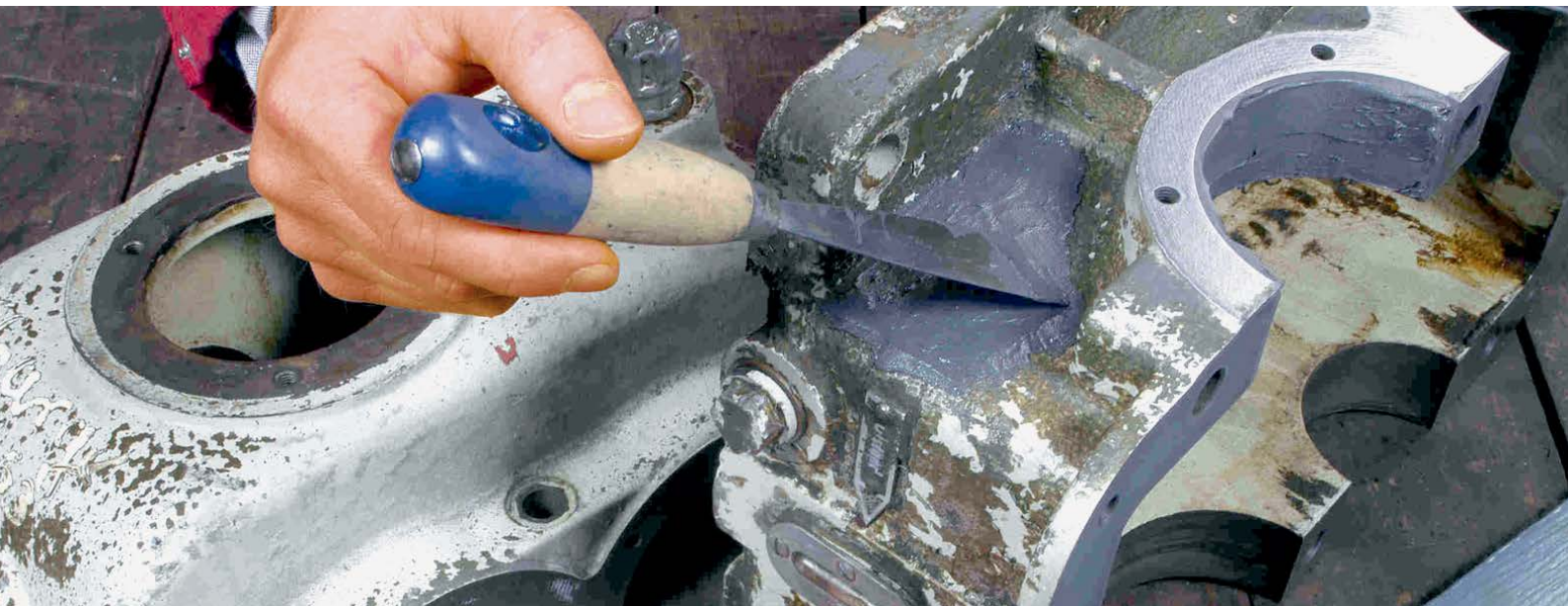
DAMAGED METAL PART

Trowelable or kneadable solutions for repairing, restoring or rebuilding damaged metal machinery, equipment and parts without the need for heat or welding.



DAMAGED RUBBER PART

Durable, tough and flexible repairs of conveyor belts and other damaged rubber equipment and parts, quickly and easily.



Find the right
product for
your application



Damaged Metal Parts

LOCTITE® EA 3463™
LOCTITE® EA 3478™
LOCTITE® EA 3471™
LOCTITE® EA 3473™
LOCTITE® PC 7222™

Damaged Rubber Parts

LOCTITE® PC 7350™
LOCTITE® PC 7383™

Damaged Metal Parts



EA 3463™ Repair Epoxy Stick

Fast Repair



Working Time: 3 minutes



Cure Speed: 10 minutes

Substrate: Metal
Form: Kneadable Putty



EA 3478™ Superior Metal

High Performance



Working Time: 20 minutes



Cure Speed: 6 Hours

Substrate: Metal
Form: Trowelable



EA 3471™ Steel Putty

Steel Filled Epoxy



Working Time: 30 minutes



Cure Speed: 6 Hours

Substrate: Metal
Form: Trowelable



EA 3473™ Fast Set Steel Putty

Fast Curing



Working Time: 4 minutes



Cure Speed: 10 minutes

Substrate: Metal
Form: Trowelable



PC 7222™ Wear Resistant Putty

Abrasion-resistant



Working Time: 30 minutes



Cure Speed: 6 Hours

Substrate: Metal
Form: Trowelable



Damaged Rubber Parts



PC 7350™ Conveyor Belt Repair

Self-Leveling



Working Time: 7 minutes



Cure Speed: 2 Hours

Substrate: Rubber
Form: Self-Leveling



PC 7383™ Rubber Compound

High Impact, Abrasion-Resistant

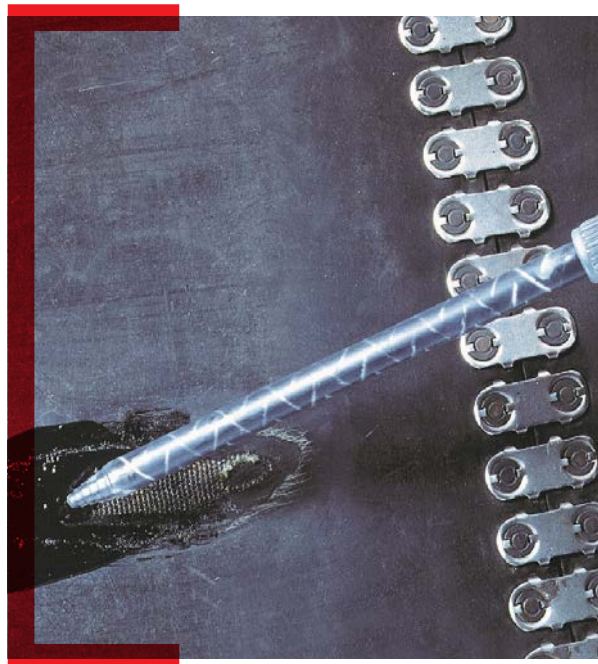


Working Time: 50 minutes



Cure Speed: 24 Hours

Substrate: Rubber
Form: Trowelable



RUBBER REPAIR

Product	Item Number	Package Size	Coverage @6mm thickness	Colour	Tensile Strength (N/mm ²)	% Elongation	Shore A Hardness	Working Time (min.)	Functional Cure at 25°C
PC 7350™	2073202	400 ml	567 cm ²	Mixed: Black	11	275	87	7	2 hrs
PC 7383™	2719844	1 kg	1,200 cm ²	Black	15	26	90	50	24 hrs

REBUILD EPOXIES

Product	Item Number	Package Size	Coverage @6mm thickness	Colour	Compressive Strength (N/mm ²)	Tensile Strength (N/mm ²)	Shore D Hardness	Working Time (min.)	Functional Cure at 25°C
STICK									
EA 3463™	209681	113 g	10 cm ²	Metallic Black	50	18	70	3	10 mins
TROWELABLE									
EA 3478™	209822	408 g	323 cm ²	Dark Grey	125	38	86	20	6 hrs
EA 3471™	219292	454 g	278 cm ²	Steel Grey	70	27.8	82	30	6 hrs
EA 3473™	219293	454 g	370 cm ²	Steel Grey	51	27	80	4	10 mins
PC 7222™	209827	1.35 kg	1,020 cm ²	Grey	72	21	85	30	6 hrs



LUBRICANTS

Long-lasting lubrication. **For longer component life and performance.**



PROBLEM

Without lubricants:
Moving parts can
corrode and seize.



SOLUTION

With lubricants:
Assemblies maintain
performance longer.

Keep moving parts moving.

Lubricants can be used for everything from releasing seized parts to providing long-lasting lubrication of moving parts. LOCTITE® offers lubricants that can address and protect against a wide range of temperature, pressure and thermal stability needs.

Find the right
product for
your application



Penetrant / Lubricant

LOCTITE® LB 8713™
LOCTITE® LB 8711™
LOCTITE® ML-11™
LOCTITE® LB 8040™

Grease Lubricant

LOCTITE® LB 8801™
LOCTITE® LB 8423™

Penetrant / Lubricant



LB 8713™
Solvo Rust Super
Penetrating Oil



Base / Oil: White Mineral Oil



Temperature Resistance:
Up to 121°C



LB 8711™
Penetrating Oil



Base / Oil: Petroleum Distillate



Temperature Resistance:
Up to 38°C



ML-11™
Multi-Purpose



Base / Oil: Petroleum Distillate



Temperature Resistance:
Up to 121°C



LB 8040™
Freeze and Release



Base / Oil: Mineral oils,
Silicone-free



Temperature Resistance:
-43°C to 45°C

Grease Lubricant



LB 8801™
Silicone Lubricant



Base / Oil: Synthetic silicone
grease



Temperature Resistance:
-50°C to 204°C



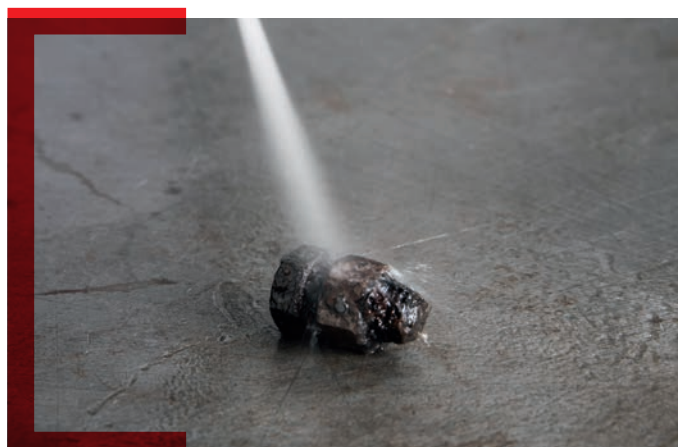
LB 8423™
Dielectric Tune-up Grease



Base / Oil: Synthetic silicone
grease



Temperature Resistance:
204°C



LUBRICANTS

Product	Item Number	Package Size	Description	Temperature Resistance °C	Base/ Oil
PENETRANT / LUBRICANT					
LB 8713™	1865406	368 g	LB 8713™ Solvo Rust Super Penetrating Oil (Aerosol-CFC free) is a clear, liquid aerosol penetrating oil that flows between rusted and corroded parts to break the bond of oxidised metal. Typical applications include releasing rusted or frozen lugs, bolts, screws, fasteners, and metal components, general overhaul and repair work and lubricating close fitting parts. This product is used as a lubricant for moving parts.	Up to 121°C	White Mineral Oil
LB 8711™	198792	454 g	LB 8711™ (Aerosol) is a standard "tool" for disassembly and assembly of machinery, piping, valves, and other metal fitted parts. This product seeps into cracks and pores fast, quickly cuts through dirt, rust, and oil to loosen rust-locked nuts, bolts, studs, and pipe connections. As a lubricant it deposits a thin, oily coating that displaces water and moisture under the most severe conditions. It also prevents rust and allows for smooth movement of metal parts.	Up to 38°C	Petroleum Distillate
ML-11™	1827849	360 ml	ML-11™ Multi-Purpose "maintain" lubricant (Aerosol) is a light, semi-drying oil type spray that penetrates, lubricates, displaces water, cleans surfaces and provides protection to metal surfaces, to prevent corrosion.	Up to 121°C	Petroleum Distillate
LB 8040™	1024403	310 g	LB 8040™ is the solution for releasing seized or corroded parts. Instantly freezes seized and rusted parts (bolts, nuts, studs) down to -38°C. The shock-freeze causes microscopic cracks in the layer of rust, allowing the lubricating ingredient to wick directly into the rust. Dismantles parts in 1-2 minutes.	-43°C to 45°C	Mineral oils, Silicone-free
GREASE LUBRICANT					
LB 8801™	234317	150 g tub	LB 8801™ (Tub) is a non-curing silicone paste that seals, lubricates, protects, waterproofs, and electrically insulates metal, rubber, and plastic parts. Use is as a moisture barrier for electrical contacts, a rubber and plastic lubricant, a mold release agent, and a packing lubricant for shafts and valve stems. It has excellent fluid resistance to water based fluids, alcohols, mineral oils and vegetable oils.	-50 to 204°C	Synthetic silicone grease
	209795	365 g aerosol			
LB 8423™	495549	85 g	LB 8423™ is a silicone dielectric compound that facilitates and improves tune-ups. The compound prevents voltage leakage around any electrical connector thereby insuring a strong spark in high energy ignition systems. It is also an excellent lubricant on rubber, plastic and ceramic surfaces, and it also has good high temperature properties, thus preventing fusing of spark plug boots to the spark plug itself.	204°C	Synthetic silicone grease



ANTI-SEIZE PRODUCTS

Prevent seizing.
**Even in extreme
environments.**



PROBLEM

Without anti-seize lubricants: Parts seize at extreme temperatures or in corrosive environments.



SOLUTION

With anti-seize lubricants: Assemblies maintain operation in all types of extreme conditions with more reliable removal and on-torque performance.

Keep assemblies from seizing.

Anti-seize lubricants are used in harsh environments to keep assemblies from seizing. They also protect against rust, corrosion and galling even in extreme temperature conditions. Temperature is a key consideration when choosing a LOCTITE® anti-seize lubricant, along with substrate material and contamination restrictions.



How to choose the right anti-seize product.



TEMPERATURE

LOCTITE® anti-seize lubricants are designed to protect your equipment from a wide range of temperatures, which allows for a wide range of applications. To choose the right anti-seize lubricant, choose the conditions in which your equipment operates, from -29°C to 1315°C.



METAL FREE

LOCTITE® METAL-FREE FORMULATIONS – A growing concern for all types of industries is the dispersal of “heavy” metals like lead, nickel, zinc and others, into the environment. Metal-free formulations offer the same performance as traditional products without heavy metals.



Find the right product for your application



General Purpose

LOCTITE® LB 8150™
LOCTITE® LB 8060™
LOCTITE® LB 8151™
LOCTITE® LB 8008™
LOCTITE® LB 771™

High Performance

LOCTITE® LB 8009™
LOCTITE® LB 8070™

Speciality

LOCTITE® LB 8014™
LOCTITE® LB 8044™
LOCTITE® LB 8700™
LOCTITE® LB 8504™

General Purpose



LB 8150™
Silver



Temperature Range:
-29°C to 871°C



Metal Free: No

Colour: Silver
Solid Lubricating Agent: Aluminium / Graphite



LB 8060™
Silver (Stick)



Temperature Range:
-29°C to 871°C



Metal Free: No

Colour: Silver
Solid Lubricating Agent: Aluminium / Graphite / Wax



LB 8151™
Silver (Aerosol)



Temperature Range:
-29°C to 871°C



Metal Free: No

Colour: Silver
Solid Lubricating Agent: Aluminium / Graphite



LB 8008™
Copper C5-A



Temperature Range:
-29°C to 982°C



Metal Free: No

Colour: Copper
Solid Lubricating Agent: Copper / Graphite

High Performance



LB 8009™
Heavy Duty



Temperature Range:
-29°C to 1315°C



Metal Free: Yes

Colour: Black
Solid Lubricating Agent: Calcium Fluoride / Graphite



LB 8070™
Heavy Duty (Stick)



Temperature Range:
-29°C to 1315°C



Metal Free: Yes

Colour: Black
Solid Lubricating Agent: Calcium Fluoride / Graphite / Wax



LB 771™
Nickel

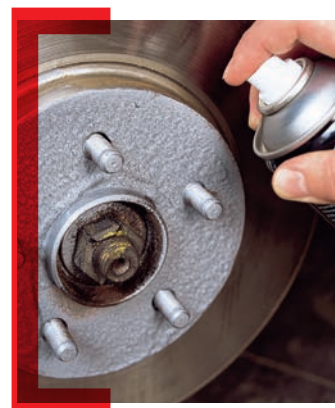


Temperature Range:
-29°C to 1315°C



Metal Free: No

Colour: Silver
Solid Lubricating Agent: Nickel / Graphite



Speciality



LB 8014™
Food Grade



Temperature Range:
-29°C to 399°C



Metal Free: Yes

Colour: White
Solid Lubricating Agent: Calcium dihydroxide



LB 8044™
Zinc



Temperature Range:
-29°C to 399°C



Metal Free: No

Colour: Grey
Solid Lubricating Agent: Zinc



LB 8700™
(Moly 50)



Temperature Range:
-29°C to 399°C



Metal Free: Yes

Colour: Black
Solid Lubricating Agent: Molybdenum-disulfide



LB 8504™
(Graphite 50)



Temperature Range:
-29°C to 482°C



Metal Free: Yes

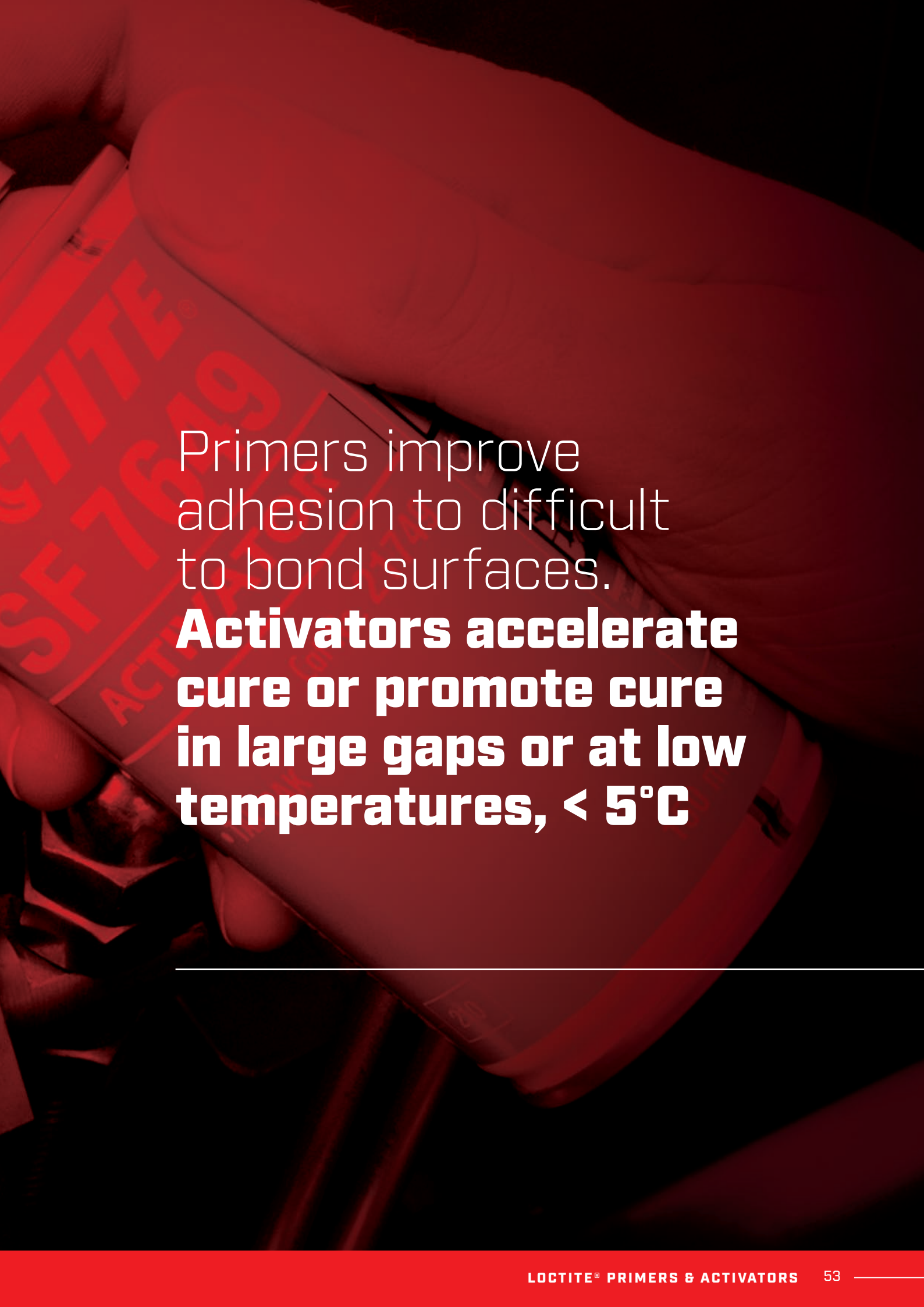
Colour: Black
Solid Lubricating Agent: Graphite

ANTI-SEIZE PRODUCTS

Product	Item Number	Package Size	Temperature Resistance	Colour	Torque Coefficient	Solid Lubricating Agent	Metal-Free
GENERAL PURPOSE							
LB 8150™	199012	236 ml	871°C	Silver	0.18	Aluminium / Graphite	No
	471321	250 ml					
	552091	500 g					
	471322	5 kg					
LB 8060™	944870	20 g (Stick)	871°C	Silver	0.18	Aluminium / Graphite / Wax	No
LB 8151™	135541	340 g (Aerosol)	871°C	Silver	0.18	Aluminium / Graphite	No
LB 8008™	234259	4 oz	982°C	Copper	0.16	Copper / Graphite	No
	234263	8 oz					
	160796	453 g					
	234204	2.5 lb					
LB 771™ (Nickel)	641488	500 g	1315°C	Silver	0.13	Nickel / Graphite	No
HIGH PERFORMANCE							
LB 8009™	2783777	510 g	1315°C	Black	0.16	Calcium Fluoride / Graphite	Yes
LB 8070™	864067	20 g (Stick)	1315°C	Black	0.16	Calcium Fluoride / Graphite / Wax	Yes
SPECIALITY							
LB 8014™ (Food Grade)	1167237	226 g	399°C	White	0.13	Calcium dihydroxide	Yes
LB 8044™ (Zinc)	233507	460 g	399°C	Grey	0.15	Zinc	No
LB 8700™ (Moly 50)	234246	454 g	399°C	Black	0.13	Molybdenum-disulfide	Yes
LB 8504™ (Graphite 50)	234244	1 lb	482°C	Black	0.13	Graphite	Yes



PRIMERS & ACTIVATORS



Primers improve
adhesion to difficult
to bond surfaces.

**Activators accelerate
cure or promote cure
in large gaps or at low
temperatures, < 5°C**

Find the right product for your application



Activators for Anaerobic Threadlocking, Retaining, Gasketing, Threadsealing

LOCTITE® SF 7471™
LOCTITE® SF 7649™

Activator for Toughened Acrylics

LOCTITE® SF 7387™

Activator for Cyanoacrylates

LOCTITE® SF 7452™

Primer for Cyanoacrylates

LOCTITE® SF 770™



Activators for Anaerobic Threadlocking, Retaining, Gasketing, Threadsealing



SF 7471™
Primer T



Base: Acetone & Isopropanol



Drying Time: 30 to 70 sec

Colour: Amber
On-Part Time: 7 days



SF 7649™
Primer N



Base: Acetone



Drying Time: 30 to 70 sec

Colour: Green
On-Part Time: 30 days

Activator for Toughened Acrylics



SF 7387™
for AA 330 & AA 324



Base: Heptane & Isopropanol



Drying Time: ≥ 70 sec

Colour: Light Brown
On-Part Time: 2 hours

Activator for Cyanoacrylates



SF 7452™
Cure Accelerator



Base: Acetone



Drying Time: < 30 sec

Colour: Slight Amber
On-Part Time: 5 min

Primer for Cyanoacrylates



SF 770™
Polyolefin Primer



Base: Isopropyl acetate



Drying Time: < 30 sec

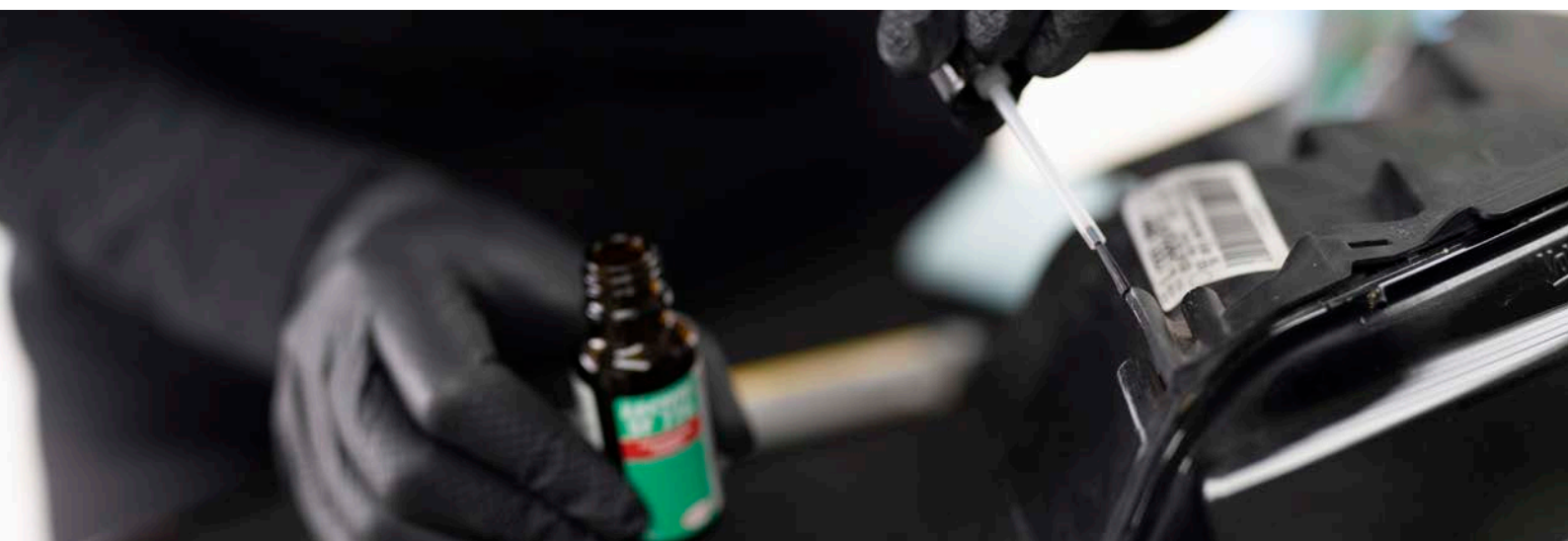
Colour: Slight Yellow

On-Part Time: 8 hrs



PRIMERS & ACTIVATORS

Product	Item Number	Package Size	Base Solvent	Drying Time at 20°C	On-Part Life	Colour
ACTIVATORS FOR ANAEROBIC THREADLOCKING, THREADSEALING, GASKETING AND RETAINING						
SF 7471™ Primer T	135337	133 ml Aerosol	Acetone and Isopropanol	30 to 70 sec	7 days	Amber
SF 7649™ Primer N	209715	133 ml Aerosol	Acetone	30 to 70 sec	30 days	Green
	135286	52 ml				
ACTIVATOR FOR TOUGHENED ACRYLICS - AA 324 AND AA 330						
SF 7387™	990026	100 ml	Heptane and Isopropanol	≥ 70 sec	2 hours	Light Brown
	991077	946 ml				
ACTIVATOR FOR CYANOACRYLATES						
SF 7452™	2761488	18 g	Acetone	> 30 sec	5 min	Slight Amber
	2765220	770 g				
PRIMER FOR CYANOACRYLATES						
SF 770™	2733436	100 ml	Isopropyl acetate	< 30 sec	8 hours	Slight Yellow



A close-up photograph of industrial machinery, possibly a lathe or mill, with a strong red color overlay. The text "SPECIALTY MAINTENANCE TECHNOLOGIES" is centered in white, outlined capital letters.

SPECIALTY MAINTENANCE TECHNOLOGIES



ALORIS TOOL POST
PATENTED
MANUFACTURED BY
ALORIS TOOL COMPANY, INC.
SAITOMI, N.J.
MODEL CXA
MADE IN USA

Solutions for any
situation.
**Even
unexpected
ones.**

For a wide range of specialised maintenance and repair scenarios.

With deep expertise in industrial maintenance and repair, LOCTITE® has been able to develop a wide range of technologies suitable for solving nearly all situations.



PIPE REPAIR

Easy-to-use urethane-impregnated fibreglass tape for temporary / medium-term repair of leaking pipes.

GROUTING & CONCRETE REPAIR

Self-leveling, non-shrinking grouting that is stronger than concrete, and chemical and corrosion resistant.

RUST PREVENTION & CONVERSION

Stabilises existing rust, guards against corrosion, prevents electrochemical corrosion and provides protection against flash rust.

WELDING PROTECTION

Protects welding equipment against metal spatter for 8 hours without reapplication.

INSULATING & SEALING

Self-fusing silicone wrap for electrical insulation and sealing applications even for pipes under pressure.

REPLACEMENT OR REPAIR O-RING SEALS

Eliminates the need for an inventory of different sized O-rings, creating strong joints that resist water and oil.

TOOL KITS

Compact kits containing an assortment of technologies to solve the most common mechanical failures.



Find the right product for your application



Pipe Repair

LOCTITE® 5070 PIPE REPAIR KIT™

Grouting & Concrete Repair

LOCTITE® PC 9416™
LOCTITE® PC 9410™

Insulating & Sealing

LOCTITE® SI 5075™

Rust Prevention & Conversion

LOCTITE® SF 7467™
LOCTITE® SF 754™ / SF 7625

Welding Protection

LOCTITE® SF 7900™

Spray Adhesive

LOCTITE® MR 5426™

Replace or Repair O-Ring Seals

LOCTITE® Inch O-Ring Making Kit
LOCTITE® Metric O-Ring Making Kit

Tool Kits

LOCTITE® Top Line Kit
LOCTITE® MRO Kit



Pipe Repair



5070™
Pipe Repair Kit

Item Number: 209818: 5cm X 1.82m

Item Number: 269078: 10cm X 3.6m

An emergency repair product for sealing pipe leaks. Includes LOCTITE® EA 3463 and a urethane impregnated fiberglass tape (activated by water) for the temporary repair of weak areas on metal, plastic and composite pipes. Cures in 30 minutes.

Grouting & Concrete Repair



PC 9416™
Floor Fill

Item Number: 2087439

Is 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. Once cured, it is stronger than concrete and bonds to almost any clean substrate and provides chemical resistance under typical dry service temperatures of -30 to 110°C.



PC 9410™
Magna-Crete Concrete Repair

Item Number: 235573

Two-component magnesium phosphate cement that sets rapidly and has a very high early strength. Ideal for road and aircraft runway repairs. It bonds to new and old concrete, as well as most construction materials including wood, glass and steel.

Insulating & Sealing



SI 5075™
Silicone Wrap

Item Number: 1540599

Self-fusing, silicone rubber wrap that is recommended for reliable, temporary repairs on a variety of substrates. Typical applications includes flexible hose repair, pipe repair, tool handle wrap, and electrical insulative wrap.

Rust Prevention & Conversion



SF 7467™
Rust Prevention

Item Number: 2773062

Amber, water-based, liquid surface treatment that delivers 48-hour protection against flash rust on large surfaces. Straightforward spray and wipe application.



**SF 754™ /
SF 7625™**
Rust Converter

Item Numbers: 234981 / 160802

Converts existing rust (rust required) into a stable base. Cured product acts as a primer ready for painting with oil or solvent-based paint. Protects surface from corrosion. Use on metal pipes, valves, fittings, outside surfaces of storage tanks, fences, guardrails, wrought iron furniture, conveyors, and construction and agricultural equipment.

Replace or Repair O-Ring Seals



**Inch O-Ring
Making Kit™**

Item Number: 473154

Eliminates the need for an inventory of different sized O-rings. Joints resist water and oil and are as strong as the rubber itself.



**Metric O-Ring
Making Kit™**

Item Number: 473153

Eliminates the need for an inventory of different sized O-rings. Joints resist water and oil and are as strong as the rubber itself.

Tool Kits



**LOCTITE® Top
Line Kit™**

Item Number: 496749

Contain all the essential tools for industrial maintenance reliability. It includes Threadlockers, Retaining Compounds, Thread Sealants, Bonding Adhesives, Anti-Seize Lubricants and Primers.



**LOCTITE®
MRO Kit™**

Item Number: 1575818

Packaged in an easy-to-carry, rugged and lockable toolbox. The kit includes an assortment of Threadlockers, Gasketing products, Silicone Sealants, Thread Sealants, Retaining Compounds, Primers, Bonding Adhesives, Lubricants and Emergency Repair products.



Welding Protection



SF 7900™
Ceramic Shield

Item Number: 1238883

Innovative ceramic coating that protects welding equipment against metal spatter for eight hours without reapplication. Minimises equipment cleaning and eliminates downtime, reducing cost and enhancing productivity.

Spray Adhesive



MR 5426™
Maximum Strength

Item Number: 476035

A high-strength, high temperature resistant (up to 170°F/77°C) spray adhesive designed for bonding foam, carpet, fabrics, plastics, rubber, etc. It's resistant to extreme seasonal temperatures, is water resistant and dries clear.



LOCTITE® Pro Pump Handheld Dispenser



Item Number: 2564842

Our all-new easy to use, light-weight, durable applicator that allows for precision application of threadlockers, retaining compounds and thread sealants.

- Utilizes patented progressive cavity pump technology
- No setup or assembly required
- Fits both 50 ml and 250 ml bottle
- Delivers an average of 30 mg of adhesive with a single pull of the trigger
- Multi-position nozzle in three different orientations:
 - Horizontal
 - 45° up
 - 45° down
- Can be folded down 90° for storing

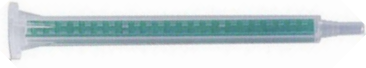








New Pro Pump Dispenser.
Less mess. Less waste.
More precision.





NOZZLES

NOZZLES

PRODUCT IMAGE	ITEM NUMBER	DESCRIPTION	SUITABLE FOR		
			PRODUCT	SIZE	PRODUCT IDH
	720227	Loctite 50ml Static Mixers 5.3mm Square 4.5"x 24E - 1:1 & 2:1	Loctite EA E-05CL - Epoxy Adhesive - Clear	50 ml	1133301
			Loctite UK U-09FL - 2-Part Polyurethane Adhesive - Impact Resistant	50 ml	1133159
			Loctite EA E-20HP - Epoxy Adhesive - High Performance	50 ml	237107
			Loctite EA E-30CL - Epoxy Adhesive - Clear	50 ml	237116
			Loctite EA E-60NC - Epoxy Potting Compound - Non-Corrosive - Black	50 ml	237113
			Loctite EA E-00NS - Epoxy Adhesive - Non Sag	50 ml	233962
	1034575	Loctite 50ml Static Mixers 6.5mm Stepped 6.5"x 20E - 10:1 S-50 cartridges only	Loctite AA H8000 - MMA Structural Adhesive	50 ml	1214138
			Loctite AA 3038 - Acrylic Adhesive - Polyolefin Bonder	50 ml	1571120
	720173	Loctite 400ml Static Mixers 6mm Round 6"x 24E - 1:1 & 2:1	Loctite EA E-20HP - Epoxy Adhesive - High Performance	400 ml	237109
			Loctite EA E-30CL - Epoxy Adhesive - Clear	400 ml	645446
	720174	Loctite 400ml Static Mixers 8mm Stepped 8"x 24E - 1:1 & 2:1	Loctite EA E-20HP - Epoxy Adhesive - High Performance	400 ml	237109
			Loctite EA E-30CL - Epoxy Adhesive - Clear	400 ml	645446
			Loctite SI 5610 - Silicone - 2-Part	400 ml	2110931
			Loctite PC 7350 Conveyor Belt Repair	400 ml	2346001
	1084255	Loctite 490ml Static Mixers 8" x 24E - 10:1 - F	Loctite AA H4800 - MMA Structural Adhesive	490 ml	1095542
			Loctite AA H8000 - MMA Structural Adhesive	490 ml	1095543
	1084092	Loctite 490ml Static Mixers 10" x 24E - 10:1 - F	Loctite AA H4800 - MMA Structural Adhesive	490 ml	1095542
			Loctite AA H8000 - MMA Structural Adhesive	490 ml	1095543
	1453183	Loctite 14ml Static Mixers 2.5mm x 16E - 10:1 - F	Loctite 3090 - Instant Adhesive - 2-Part	11 g	1796029
			Loctite HY 4070	11 g	2338712
	1826921	Loctite 50ml Static Mixers 3.2mm x 16E	Loctite HY 4090 GY - Structural Hybrid Adhesive	50 g	2341573
			Loctite HY 4090 - Structural Hybrid Adhesive	50 g	2183468
			Loctite HY 4080 GY	50 g	2341558
	780805	Teroson T5045 Mixer Nozzle & Nut	Loctite SI 5607 - Silicone - 2-Part	400 ml	2083434



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