

Townsend Bearings



Loctite Solutions

Making the Right Choice

With this solution guide you can easily select the best Henkel Loctite product to solve engineering problems throughout industry, in original equipment manufacture as well as maintenance and repair.

It has been developed to make your product selection quick, easy and right first time. You may navigate this guide to find solutions from several different starting points:

- The problem solving section
 - Henkel Loctite product categories
 - A product list including ordering information
- For more information about our products or us just "hit" the Henkel Loctite website – www.loctite.com.

This will give you – anytime day or night – further information on all of our products including those described here. Also you have access to our most up-to-date literature and news about solutions to industrial problems using Henkel Loctite, addressing segments such as Industrial OEM, Automotive, Electronics, Maintenance and Repair.

For additional information visit our Web Site, at:

www.loctite.com



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What's the Problem?

Nuts, Bolts, Studs, Threaded Parts



- ? Nuts, bolts, studs and other threaded parts loosening
- ? Need to prevent threads corroding and seizing

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Threadlocking

Fluid Pipe Systems



- ? Leaks from hydraulic, air, coolant, oil or other threaded fittings
- ? Blockages caused by debris from traditional tape and hemp/paste sealants
- ? Need to lock and seal valves, gauges, taps and fittings in any position without leaks

See also Emergency Repair Products on page 46

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Pipe and Thread Sealing

Flanges Leaking



- ? Bolted flanges leaking
- ? Fretting corrosion and /or bolt fatigue
- ? Bolts loosen as gaskets relax
- ? Need to stop movement between the flanges

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Gasketing

Bearings, Bushes, Shafts, Cylindrical Parts



- ? Loose bearings, bushes, shafts or cylindrical parts that have become oval
- ? Prevent reoccurrence of fretting corrosion and wear, in coaxial assemblies
- ? Need to increase strength
- ? Simplify assembly process

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Retaining

Joining Small Parts



- ? Join different materials rapidly
- ? Bond parts temporarily during positioning or repair
- ? Re-use broken parts
- ? Need to speed up production

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Instant Bonding

Joining Plastic and Glass to each other and themselves and to Metals



- ? Need to secure small parts in plastic, glass, metal
- ? Need cure on command
- ? Need fast curing on a semi or fully automated production line
- ? Need to pot/seal

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UV Bonding

What's the Problem?

Joining Large/ Structural Parts



- ? Strong durable joints between different materials
- ? Replace welding/ riveting - with a corrosion-free, reduced stress joint

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Structural Bonding

Flexible Joining of Parts



- ? Impact and vibration-resistant joint
- ? Permanently flexible bonding of different materials
- ? Joints have large gaps or are subject to high temperatures

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Flexible Sealing and Bonding

Lubrication



- ? Need to combat wear and seizing caused by friction
- ? Resist high temperatures and tough operating conditions

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Lubrication

Corroding Components



- ? Prevent corrosion after assembly or during storage
- ? Guard against electro-chemical effects
- ? Protect welds at high temperatures

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Surface Treatment and Rust Prevention

Repair/Join Fibre-reinforced Plastic Parts



- ? Repair, restore, and join FRP parts or assemblies
- ? Waterproof filling and sealing of FRP, wood, metal
- ? Durable structural repairs

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Fibre-reinforced Plastic Repair

Worn and Damaged Parts



- ? Re-build, restore, repair metal parts and assemblies
- ? Make castings, moulds and fixtures

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Metal Filled Compounds

What's the Problem?

Wear



- ? Repair or prevent erosion, sliding abrasion, wear and corrosion in equipment such as pump housings, chutes cyclones etc.
- ? Protect against cavitation

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Wearing Compounds

Cleaning Parts and Hands



- ? Cleaning parts prior to using adhesives/sealants
- ? Have to remove cured resins, adhesives/sealants, old gaskets, and other compounds without surface damage
- ? Cleaning electrical contacts
- ? Cleaning hands, removing ink, paint, resin and hard-to-shift dirt - with or without water

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Cleaning

Slow Adhesive/ Poor Adhesion



- ? Slow adhesive/ sealant cure on oily, contaminated, inert or passivated parts
- ? Working in a cold environment
- ? Poor adhesion to the substrate

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Surface Preparation Activators and Primers

Emergency Repair



- ? Damaged rubber such as conveyor belt surfaces
- ? Fill over-sized holes, smooth rough welds, repair nonstructural defects
- ? Make a new O ring - in situ.
- ? Emergency plugging and sealing of burst or leaking pipes

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Emergency Repair Products

Dispensing and Curing Adhesives and Sealants



- ? Apply thick or thin products easily, cleanly, accurately and without waste
- ? Cure UV Bonding products quickly and completely

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Equipment

Products with NSF Approval



NSF is one of the most widely respected and recognised global third-party certification providers focusing on food, water, indoor air and the environment. For more information go to www.nsf.com

- ? Need NSF approval check section:
 - Threadlocking
 - Pipe and Thread Sealing
 - Gasketing
 - Retaining and Securing Cylindrical Assemblies
 - Instant Bonding
 - Structural Bonding
 - Lubrication - Oils
 - Lubrication - Greases
 - Lubrication - Anti-seize
 - Lubrication - Dry Film



Threadlocking - Locking of Threaded Fasteners

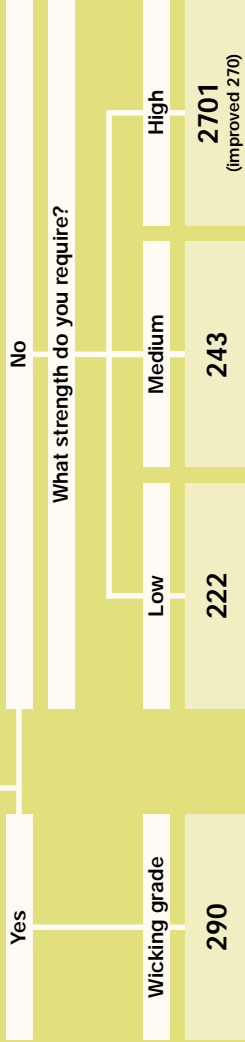
- Resists vibration
- Single part - clean and easy to apply
- Can be used on all sizes of fasteners - reduces inventory costs
- Seals threads allows through-hole tapping

Are the parts already assembled?

Handy Hints:

- Clean parts with Loctite® 7063 before applying the adhesive
- If the threadlocker will be applied below 5 °C, pre-treat with Loctite® 7240 (Activator)
- If the parts were in contact with aqueous washing solutions or cutting fluids, which leave a protective layer on the surface, wash with hot water before use
- Use Loctite® 406 if either substrate is plastic

Solution



Size of Thread	Up to M 12	Up to M 36	Up to M 20
Strength	Medium/High	Low	Medium
Functional Strength¹	3 hrs	6 hrs	2 hrs
Breakaway Torque M10 bolts	10Nm	6 Nm	20 Nm
Long-Term Temperature Resistance	+150 °C	+150 °C	+150 °C
Pack Sizes	10 ml, 50 ml, 250 ml	10 ml, 50 ml, 250 ml	10 ml, 50 ml, 250 ml

¹Typical value @ 22 °C

Application Examples



Loctite® 290

Recommended for locking preassembled fasteners, e.g. instrumentation screws, electrical connectors and set screws.



Loctite® 222

Recommended for low-strength threadlocking of adjusting screws, countersunk head screws and set screws. Also use on low strength metals such as aluminium or brass which could break during disassembly. **P1 NSF Reg. No.: 123002**



Loctite® 243

Effective on all types of metal threaded fasteners. Prevents loosening on vibrating parts such as pumps, motor mounting bolts, gear boxes or presses. Recommended for use where disassembly with hand tools is required for servicing and where parts are contaminated with oil. **P1 NSF Reg. No.: 123000 Certified to ANSI/NSF Standard 61**



Loctite® 2701 (Improved Loctite® 270)

For use on all metal fasteners (including stainless steels and those with protective coatings such as zinc) where regular removal for maintenance is not required. Recommended for permanently locking studs on engine blocks and pump housings. **P1 NSF Reg. No.: 123006 - only Loctite® 270**



Pipe and Thread Sealing – Sealing of Threaded Components

- Provide an instant, low pressure seal for all types of pipe connections
- Will not creep, shrink or block systems (including filters) by shredding
- Disassembly can be achieved easily with normal tools
- Replace all tapes and hemp/pastes combinations

Are the parts metal or plastic?

Handy Hints:

- If the sealant (Loctite® 542, 577 or 572) will be applied below 5 °C, pre-treat with Loctite® 7240 (Activator)
- All parts must be clean & dry before sealing – use Loctite® 7063
- If the parts have been in contact with washes or cutting fluids containing nitrates wash them with hot water*
- Clean U-PVC pipe surfaces with Loctite® 7044 prior to joining with Loctite® 5004

Solution

Plastic or combined plastic/ metal parts		Metal parts	
Do you need to make post assembly adjustments?		Are the threads fine or coarse?	
Yes		No	
Cord		Fine up to (R $\frac{1}{4}$) pipe thread	
55		Coarse up to (R3) pipe thread	
5004		577 (General purpose)	
5331		542 Hydraulic and pneumatic	
572		577	
577		572	
572		572	

Description	Solvent	Curing liquid	Curing gel	Curing gel
Maximum Thread Size	N.A.	3/4"	3"	3"
Temperature Resistance	As plastic	+150 °C	+150 °C	+150 °C
Disassembly Strength	High	Low	Medium	Medium
Substrate to be Sealed	U-PVC	Metal, plastic or both	Metal	Metal
Instant Low Pressure Seal	No	Yes (full pressure)	Yes	No
Pack Sizes:	125 g, 250 g, 500 g	80 g = 150 m cord	50 ml, 250 ml	50 ml, 250 ml

* Does not apply to Loctite® 5331/55

Application Examples



Loctite® 5004
(Not available in UK.)
Special solvent-based adhesive for bonding U-PVC pipes.
Complies with the following: DIN 16970 and KRV guidelines RI.17; BS 4346, part 3 and ASTM D2564.
The cured adhesive meets the requirements of admission for drinking water supply through U-PVC pipes in compliance with the Recommendation no. VIII of the Plastics Commission of the Bundesgesundheitsamt (Germany Health Authorities).



Loctite® 55
Can be safely applied on metal and plastics threaded fittings.
Special solvent-based adhesive for potable water. WRC listed for use with potable water up to 85 °C; meets BS 6920: KTW recommendation for cold and hot water.
Gas and water: Carries the German DWGW approval (No. DV-5142AU0166), together with DIN 30660. Tested in accordance with EN751-2 Class ARp.
Certified to ANSI/MSF Standard 61.



Loctite® 5331
Recommended for use on threaded plastic or plastic/metal fittings carrying hot or cold water e.g. industrial and agricultural plastic water pipe systems, or drainage systems.
Carries the German DWGW approval (NG-5146 AR 0618) and KTW approvals for gas and potable water. Tested in accordance to EN 751-1. WRC approved for use with potable water up to 85 °C.
P1 NSF Reg. No.: 123620



Loctite® 542
Recommended for fine threaded fittings as used in hydraulic and pneumatic installations and small fittings in general.
Carries the German DWGW approval (NG-5146 AR 0855). Tested in accordance to EN 751-1. Meets BS 6956 type A for sealing gas fittings.
WRC approval for use with potable water.



Loctite® 577
Recommended for all coarse metal threads. Suitable for fast applications at low temperatures e.g. outdoor plant maintenance.
Carries the German DWGW approval (NG-5146 AR 0621). Tested in accordance to EN 751-1. Meets BS 6956 type B for sealing gas fittings.
WRC approval for use with potable water.
P1 NSF Reg. No.: 123001



Loctite® 572
Recommended for all coarse metal threads where slow cure is required for adjusting the alignment of valves and fittings.
Meets BS 6956 type B for sealing gas fittings.
Certified to ANSI/MSF Standard 61.

Gasketing – Sealing of Flanges

- 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

Does the existing gasket need to be used as a shim?

Handy Hints:

- If there are traces of old gasket left on the parts to be sealed, clean with Loctite® 7200 gasket remover
- All parts must be clean and dry before sealing – use Loctite® 7063
- Anaerobic products cure between metal surfaces in the absence of air
- Use activator Loctite® 7240 in cold conditions to speed up the cure

Solution

Yes		No	
Up to 0.5 mm		Greater than 0.5 mm	
Coat existing gasket	Positioning cut gaskets	Aluminium	Metals
5203	3020	5205	518, 510, 5910, 5699

What gap must the sealant fill?

Up to 0.5 mm

Greater than 0.5 mm

Plastic or combined plastic/metal parts

Gasket Type	Formed-in-place	Use with cut-gasket	Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place
Flange Type	Rigid	Rigid or Flexible	Rigid	Rigid	Rigid	Rigid	Flexible	Flexible
Cure Method	Anaerobic	Solvent evaporation	Anaerobic	Anaerobic	Anaerobic	Anaerobic	Moisture	Moisture
Tack-Free Time	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	20 min.	10 min.
Temperature Resistance	150 °C	N.A.	150 °C	150 °C	up to 200 °C	up to 200 °C	200 °C	200 °C
Instant Seal	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Oil Resistance	Excellent	N.A.	Excellent	Excellent	Excellent	Excellent	Excellent	Good
Water/Glycol Resistance	Moderate	N.A.	Excellent	Excellent	Excellent	Excellent	Moderate	Excellent
Pack Sizes	50 ml, 300 ml cartridge	400 ml aerosol	50 ml, 300 ml cartridge	65 ml, 300 ml cartridge	50 ml, 160 ml, 250 ml cartridge	50 ml, 160 ml, 250 ml cartridge	300 ml cartridge	300 ml cartridge

Application Examples



Loctite® 5203

Recommended for coating and re-using gaskets to improve sealing. Low strength metal/metal sealing.



Loctite® 3020

Adhesive/sealant for holding pre-cut gaskets in place during assembly. Can be applied to all rubber, cork, paper and metal gaskets.



Loctite® 5205

Recommended for aluminium parts where flexibility is required e.g. aluminium gearbox and engine castings, etc.



Loctite® 5208 (Alternative to Loctite® 574)

Recommended for use on rigid metal parts e.g. cast iron components and pump housings, etc.



Loctite® 518

Recommended for use on rigid iron, steel and aluminium flanges. **PT NSF Reg. No.: 123758** Certified to ANSI/NSF Standard 61.



Loctite® 510

Sealing rigid flanges Recommended for applications where high temperature and chemical resistance is needed. **PT NSF Reg. No.: 123007**



Loctite® 5910

Replacement for cork and paper cut gaskets on flanges and stamped sheet metal covers. Recommended for use where high vibration or flexing occurs. Can also be used with plastic and painted parts.



Loctite® 5699

Recommended for sealing all types of flanges including stamped sheet metal where water glycol resistance is required. **PT NSF Reg. No.: 122998**



Retaining – Securing Cylindrical Assemblies

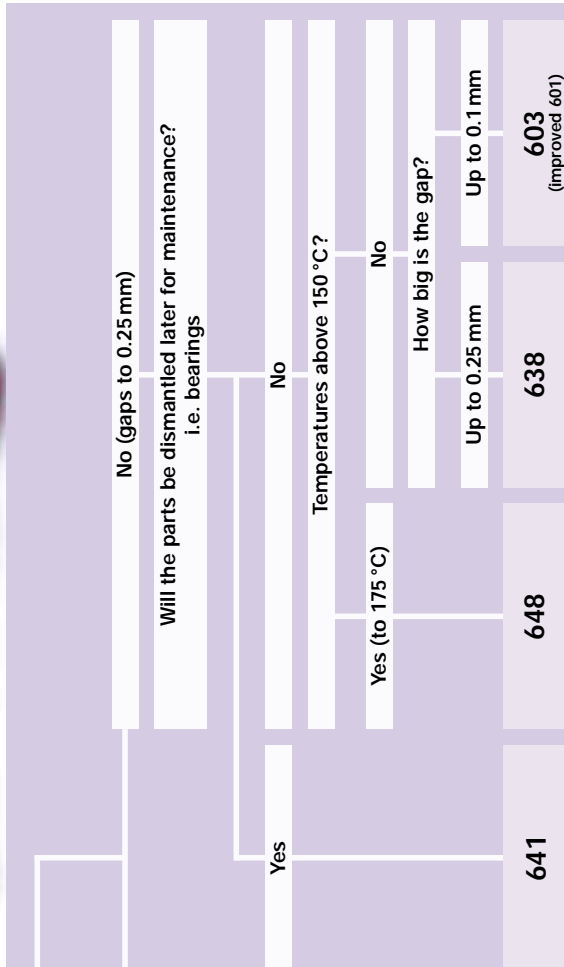
- High and moderate strength products – can carry high loads and eliminate fretting
- Fill all voids – prevent corrosion
- Reduce the need for close tolerances
- 100% contact – load and stress is distributed evenly over the joint

Is the assembly very loose or badly worn?

Handy Hints:

- If the retainer will be applied below 5 °C, pre-treat with Loctite® 7240 (Activator)
- All parts must be clean & dry before sealing – use Loctite® 7063
- If the parts have been in contact with washing or cutting fluids containing nitrates, wash with hot water
- Can also be used to increase the strength of existing designs

Solution



Strength Required	Moderate	High	High	High
Handling Strength¹	30 min.	5 min.	5 min.	10 min.
Diametrical Clearance	Up to 0.1 mm	Up to 0.15 mm	Up to 0.25 mm	Up to 0.1 mm
Temperature Resistance	150 °C	175 °C	150 °C	150 °C
Pack Sizes	10 ml, 50 ml, 250 ml	50 ml, 250 ml	50 ml, 250 ml	10 ml, 50 ml, 250 ml

¹at room temperature on steel joints

Application Examples



Loctite® 660 (use with Activator Loctite® 7240)
Used for repairing worn coaxial parts without remachining enables re-use of worn bearing seats, keys, splines, lapers, or for retaining shims.
P1 NSF Reg. No.: 123704



Loctite® 641
Recommended for parts that will need subsequent dismantling i.e. retention of bearings onto shafts and into housings.



Loctite® 648
Recommended for high temperature retaining of parts with a clearance or interference fit i.e. retaining bushes, bearings, seals, fans, and liners.



Loctite® 638
Gives best resistance to dynamic, axial and radial loads. Recommended for retaining shafts, gears, pulleys and similar cylindrical parts.
P1 NSF Reg. No.: 123070



Loctite® 603 (Improved Loctite® 601)
For retaining close fitting cylindrical parts (up to 0.1 mm gap). For use on cylindrical fitting parts where thorough degreasing is not possible.
Tested and approved for use on bearings.
P1 NSF Reg. No.: 123003

Instant Bonding

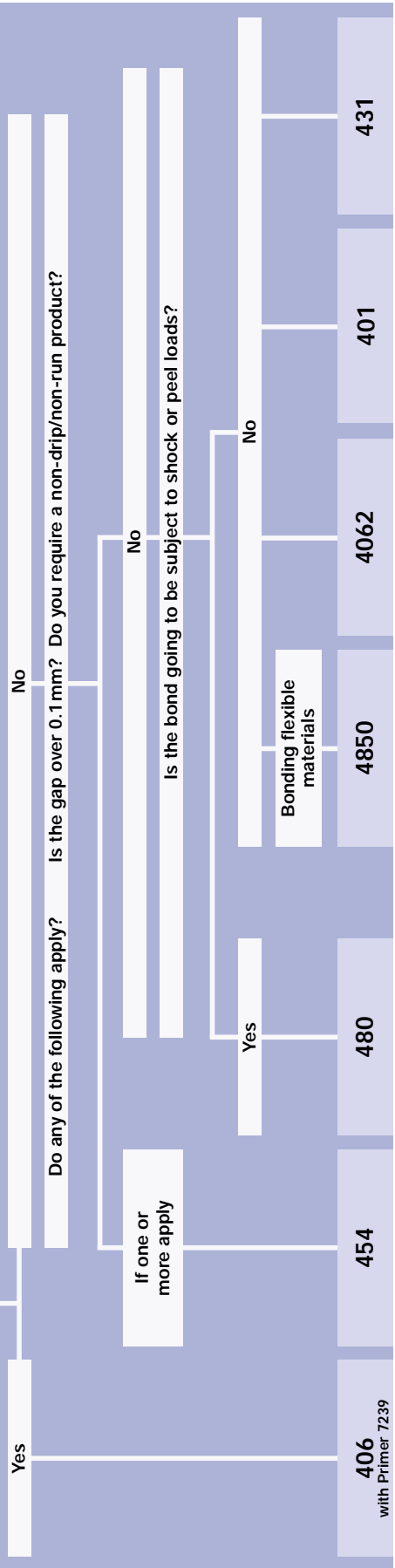
- Fixtures in seconds
- Clear bond line – good cosmetic appearance
- Versatile – dissimilar materials can be bonded
- High strength – often giving a bond stronger than the materials being bonded
- Small parts bonding

Are you bonding “difficult to bond” rubber or plastic?

e.g. polyethylene, polypropylene, PTFE, thermoplastic rubbers such as Santoprene®

Handy Hints:

- To improve adhesion to difficult-to-bond materials e.g. PE, PP, PTFE, Santoprene® or thermoplastic rubbers: in combination with Loctite® 401, 406, 431, 454 or 480 – use Primer Loctite® 7239



Solution

Operating Temperature	Up to 80 °C	Up to 100 °C	70 °C	Up to 80 °C	Up to 80 °C	Up to 80 °C
Fixture Time ¹	10-20 sec.	60-120 sec.	5-20 sec.	3-20 sec.	5-20 sec.	5-20 sec.
Viscosity mPa.s	20	300	400	2	110	1000
Especially for	Plastics	Metal/Plastics	Flexible Substrates	Metal/Plastics	Porous Substrates	Porous Substrates
Pack Sizes	20 g, 500 g	10 g, 20 g, 300 g, 300 g cartridge	20 g, 500 g	20 g, 500 g	3 g, 20 g, 50 g, 500 g	20 g, 500 g

¹ on Steel

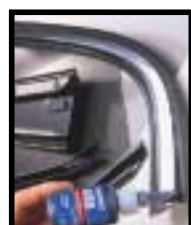
Application Examples



Loctite® 406
Rapid bonding of rubbers (including EPDM), plastics and elastomers, when used with Loctite® 7239 Polyolefin Primer bonds "difficult to bond" plastics.



Loctite® 454
General purpose gel for bonding metals, composite materials, wood, cork, foam, leather, card, paper, and unglazed ceramics. Recommended for use on vertical or overhead surfaces.



Loctite® 480
Black, rubber toughened grade for bonding metal to metal and metal to rubber: especially suitable with applications where high peel strength is required and/or shock loads are present.



Loctite® 4850 Flexible Instant Adhesive
Medium viscosity, fast curing, transparent adhesive. Especially designed for the assembly and repair of flexible materials and components. Typical application areas: Bonding materials used in the manufacture and repair of flexible gaskets and seals, galleys, and loudspeaker assemblies.



Loctite® 4062
Ideal for very fast bonding of plastic, rubber and metal substrates.



Loctite® 401
General purpose for bonding most substrates such as plastics, rubber, metals, card, wood.
PI NSF Reg. No.: 123011



Loctite® 431
Particularly suitable for bonding porous or absorbent materials such as: wood, paper, leather, cork and fabric.

UV Bonding



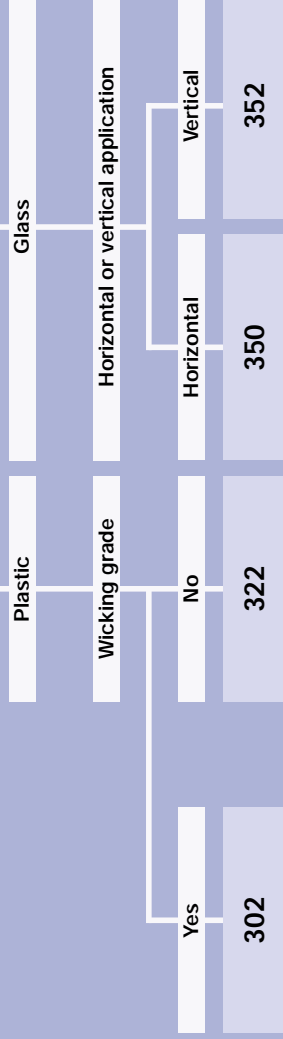
- Fast and on-command curing
- Rapid fixture after alignment or repositioning of parts
- Clear bond line
- High strength and excellent humidity resistance



What is your transparent substrate?

Handy Hints:

- One of the parts being bonded must be UV-transparent
- Henkel Loctite provides a full range of UV curing equipment



Solution

Operating Temperature	+100 °C	+120 °C	Up to 120 °C
Fixturing time ¹	1-10 sec.	5-20 sec.	5-20 sec.
Viscosity mPa.s	100	5.800	19.500
Pack sizes	250 ml	250 ml	250 ml

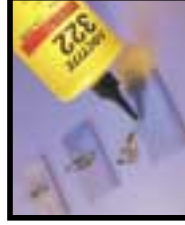
¹Fixturing time is dependent on type of lamp and intensity as well as application details

Application Examples



Loctite® 302

Low viscosity fast curing clear UV curing adhesive. Especially designed for post-application. Recommended for plastics to themselves, metal and glass.



Loctite® 322

Medium viscosity fast curing clear UV curing adhesive. Recommended for plastics to themselves, metal and glass.



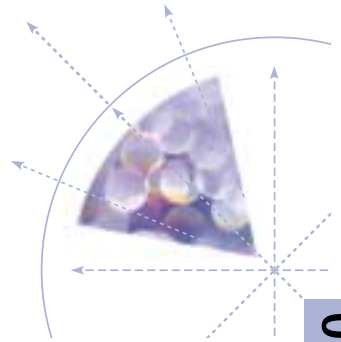
Loctite® 350

Medium viscosity UV curing adhesive. Highly transparent. Recommended for glass in combination with glass and metal.



Loctite® 352

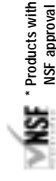
Thixotropic clear UV curing adhesive. Especially designed for vertical application. Recommended for glass in combination with glass, metal, ceramic and Glass Reinforced Plastic (GRP).





Product Ordering Information

■ Look for Henkel Loctite Product name on these pages!



Pr.-No.	Product Name	Pack-Size	Order-No.	Page	Pr.-No.	Product Name	Pack-Size	Order-No.	Page	Pr.-No.	Product Name	Pack-Size	Order-No.	Page	Pr.-No.	Product Name	Pack-Size	Order-No.	Page
7229	High Temperature Preu Wear	10 kg	1098757	41	7240	Activator, Anaerobics	90 ml	0901949	45	406	Instant Adhesive, Elastomers	20 g	301352	18	97008	Semi-automatic Controller	2 lt	3097008	48
7230	High Temperature Wearing Compound	10 kg	1098758	41	7458	Activator, Pump	18 g	904021	45	406	Instant Adhesive, Elastomers	500 g	301355	18	97009	Semi-automatic Controller	2 lt	3097009	48
7234	High Temperature Breathing Ceramic Grease	1 kg	1098756	41	3466	Aluminum Liquid	1 kg	1093037	39	454	Instant Adhesive, General Purpose Gel*	10x10 ml	301343	18	7063	Small Parts Cleaner	10 lt	9801678	43
7239	Plastics Primer, CA (all plastics)	4 ml	0901948	45	3465	Aluminum Putty	1 kg	1095306	39	454	Instant Adhesive, General Purpose Gel*	20 g	301342	18	7063	Small Parts Cleaner Aerosol	400 ml	9801680	43
7240	Activator, Anaerobics	90 ml	0901949	45	7801	Aluminum Spray	12x400 ml	2105333	35	454	Instant Adhesive, General Purpose Gel*	300 g	301346	18	7063	Small Parts Cleaner Pump	400 ml	9801681	43
7251	PU Primer, Plastics, Painted Metal	10x25 ml	1601012	44	8007	Anti-seize Lubricant, Aerosol	400 ml	1051701	30	401	Instant Adhesive, General Purpose Gel* (Collapsible Cartridge)	300 g	301339	18	8018	Solvo Rust	12x400 ml	2105064	27
7252	PU Primer, Plastics, Painted Metal	10x25 ml	1601013	44	8008	Anti-seize Lubricant, Brush Top	500 g	1051702	30	401	Instant Adhesive, General Purpose*	10x3 g	301021	19	3461	Steel Liquid	1 kg	1095302	38
7252	PU Primer, Glass	10x25 ml	1601014	44	8005	Belt Dressing	400 ml	1051700	34	401	Instant Adhesive, General Purpose*	20 g	301303	19	3461	Steel Putty	1 kg	1095301	38
7253	PU Primer, Unpainted Metal	10x25 ml	1601016	44	7039	Contact Cleaner Spray	12x400 ml	2105031	43	401	Instant Adhesive, General Purpose*	50 g	301302	19	3421	Structural Adhesive, Fast cure	2x24 ml	1101038	23
7253	PU Primer, Unpainted Metal	10x25 ml	1601017	44	97006	Digital Syringe Dispenser System	eq	3097006	48	401	Instant Adhesive, General Purpose*	500 g	301305	19	3421	Structural Adhesive, High gap fill	200 ml	1101072	23
7258	Activator, pump	18 g	0904021	45	3462	Fast Set Steel Putty	1 kg	1095303	38	401	Instant Adhesive, General Purpose*	20 g	301336	19	3421	Structural Adhesive, High gap fill	200 ml	1101073	23
7500	Rust Treatment Coating	1 lt	8781012	34	8201	Five Way Spray	12x400 ml	2105060	17	431	Instant Adhesive, General Purpose; High viscosity	20 g	301336	19	3421	Structural Adhesive, High gap fill	200 ml	1101073	23
7800	Znc Spray, Shiny	12x400 ml	2105032	35	5205	Flange Sealant, Aluminum	50 ml	501071	14	431	Instant Adhesive, General Purpose; High viscosity	20 g	301336	19	3421	Structural Adhesive, High gap fill	200 ml	1101073	23
7801	Aluminum Spray	12x400 ml	2105033	35	5205	Flange Sealant, Aluminum	50 ml	501071	14	431	Instant Adhesive, General Purpose; High viscosity	20 g	301336	19	3421	Structural Adhesive, High gap fill	200 ml	1101073	23
7802	Varnish Spray Coating	12x400 ml	2105034	35	5205	Flange Sealant, Aluminum	50 ml	501071	14	431	Instant Adhesive, General Purpose; High viscosity	20 g	301336	19	3421	Structural Adhesive, High gap fill	200 ml	1101073	23
7803	Metal Protection Spray Coating	12x400 ml	2105035	35	5205	Flange Sealant, Aluminum	50 ml	501071	14	431	Instant Adhesive, General Purpose; High viscosity	20 g	301336	19	3421	Structural Adhesive, High gap fill	200 ml	1101073	23
7840	Large Parts Cleaner (water based)	200 lt	8009018	43	5699	Flange Sealant, Big gaps/Cylindrical resistant*	10x49 g	2312022	15	480	Instant Adhesive, Peel Resistant	500 g	301381	18	3425	Structural Adhesive, Toughened	2x600 ml	1101081	23
7840	Large Parts Cleaner (water based)	12x750 ml	8009015	43	5699	Flange Sealant, Big gaps/Cylindrical resistant*	300 ml	2312025	15	480	Instant Adhesive, Wickling	20 g	301338	19	3425	Structural Adhesive, Toughened	2x600 ml	1101082	23
7840	Large Parts Cleaner (water based)	20 lt	8009017	43	5203	Flange Sealant, Low Strength	50 ml	501070	14	480	Instant Adhesive, Wickling	20 g	301338	19	3425	Structural Adhesive, Toughened	2x600 ml	1101082	23
7840	Large Parts Cleaner (water based)	20 lt	8009016	43	5203	Flange Sealant, Low Strength	50 ml	501070	14	480	Instant Adhesive, Wickling	20 g	301338	19	3425	Structural Adhesive, Toughened	2x600 ml	1101082	23
7850	Hand Cleaner	4x3 lt	8002012	42	5208	Flange Sealant, Right Parts	250 ml	501058	15	480	Instant Adhesive, Wickling	20 g	301338	19	3425	Structural Adhesive, Toughened	2x600 ml	1101082	23
7850	Hand Cleaner	12x400 ml	8002011	42	510	Flange Sealant, Right Parts*	50 ml	502030	15	4062	Instant Adhesive, Wickling	20 g	301338	19	3425	Structural Adhesive, Toughened	2x600 ml	1101082	23
7855	Hand Cleaner, Paint, Resin	12x400 ml	8008010	42	510	Flange Sealant, Right Parts*	250 ml	502030	15	4062	Instant Adhesive, Wickling	20 g	301338	19	3425	Structural Adhesive, Toughened	2x600 ml	1101082	23
7855	Hand Cleaner, Paint, Resin	12x400 ml	8008005	42	518	Flange Sealant, Right Parts*	65 ml	501062	13	3463	Metal Magic Sisel™ Stick	114 g	8515073	47	2701	Threadlocker, High Strength	250 ml	103311	11
8005	Belt Dressing	1.75 lt	8008007	42	518	Flange Sealant, Right Parts*	300 ml	501062	13	3463	Metal Protection Spray Coating	12x400 ml	2105035	35	2701	Threadlocker, High Strength	250 ml	103311	11
8005	Belt Dressing	400 ml	1051700	34	5226	Flexible Adhesive Sealant, Black	12x300 ml	—	25	3450	Metal Set	25 ml	1101009	33	270	Threadlocker, High Strength	50 ml	103303	11
8007	Anti-seize Lubricant, Aerosol	400 ml	1051701	30	5268	Flexible Adhesive Sealant, Black	310 ml	2312033	24	96003	Mix Pac, DM 200-01 Epoxy with syringe dispenser	eq	3096003	48	270	Threadlocker, High Strength	50 ml	103303	11
8008	Anti-seize Lubricant, Brush top	500 g	1051702	30	5366	Flexible Adhesive Sealant, Clear	310 ml	2312031	24	8016	Metal Protection Spray Coating	12x400 ml	2105035	35	222	Threadlocker, Low Strength	50 ml	103012	11
8009	Heavy Duty Anti-seize	500 g	1051703	31	5221	Flexible Adhesive Sealant, Grey	310 ml	2105025	25	8017	Metal Protection Spray Coating	12x400 ml	2105035	35	222	Threadlocker, Low Strength	50 ml	103012	11
8013	N-7000 High Purity Anti-seize	500 g	1051705	31	5069	Flexible Adhesive Sealant, High Modulus, Black	310 ml	1660025	25	8017	Metal Protection Spray Coating	12x400 ml	2105035	35	222	Threadlocker, Low Strength	50 ml	103012	11
8014	Food Grade Anti-seize*	250 g	1051706	30	5398	Flexible Adhesive Sealant, High Modulus, Black	310 ml	1660025	25	330	MULTI-BOND™ Kit	50x40 ml	1701172	22	243	Threadlocker, Medium Strength	250 ml	103242	11
8015	Food Grade Grease	12x400 ml	2105061	28	5398	Flexible Adhesive Sealant, High Modulus, Black	310 ml	2312039	24	8013	N-7000 High Purity Anti-seize	500 g	1051705	31	243	Threadlocker, Medium Strength	250 ml	103242	11
8016	M.S. Dry Film Anti Friction Coating	340 g	1051708	33	5062	Flexible Adhesive Sealant, High Modulus, White	310 ml	1660001	25	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
8017	M.S. Dry Film Anti Friction Coating	500 g	1051709	33	5063	Flexible Adhesive Sealant, Low Modulus, Black	310 ml	1660001	25	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
8018	Solvo Rust	12x750 ml	2105064	27	5064	Flexible Adhesive Sealant, Low Modulus, Grey	310 ml	1660002	25	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
8021	Food Grade Silicone Oil	12x400 ml	2105038	27	5065	Flexible Adhesive Sealant, Low Modulus, White	310 ml	1660002	25	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
8104	Food Grade Silicone Grease*	6x1 lt	2105047	28	5066	Flexible Adhesive Sealant, Medium Modulus, Black	310 ml	1660004	25	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
8201	Five Way Spray	12x400 ml	2105060	27	5068	Flexible Adhesive Sealant, Medium Modulus, Grey	310 ml	1660007	25	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
96003	Mix Pac, DM 200-01 Epoxy with syringe dispenser	eq	3096003	48	5145	Flexible Adhesive Sealant, Medium Modulus, White	40 ml/Kit	1705655	24	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
97001	Hand-held dispenser	eq	3097001	48	5145	Flexible Adhesive Sealant, Non corrosive	300 ml	1705655	24	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
97002	Hand-held dispenser (pneumatic)	eq	3097002	48	5225	Flexible Adhesive Sealant, Non corrosive	300 ml	1705655	24	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
97006	Digital Syringe Dispenser System	eq	3097006	48	5367	Flexible Adhesive Sealant, White	12x300 ml	—	25	97262	Needle Selection Pack	Kit	1910252	47	290	Threadlocker, Medium Strength	250 ml	103244	11
97008	Semi-automatic Controller	2 lt	3097008	48	4850	Flexible Adhesive Sealant, White	20 g	3012032	24	7251	PU Primer, Plastics, Painted Metal	10x25 ml	1601014	44	97033	UV Wand System	eq	3097033	48
97009	Semi-automatic Controller	2 lt	3097009	48	4850	Flexible Adhesive Sealant, White	20 g	3012032	24	7251	PU Primer, Plastics, Painted Metal	10x25 ml	1601014	44	97033	UV Wand System	eq	3097033	48
97033	UV Wand System	eq	3097033	48	8014	Food Grade Anti-seize	250 g	1051706	30	7253	PU Primer, Unpainted Metal	10x25 ml	1601016	44	7802	Varnish Spray Coating	12x400 ml	2105034	35
97035	UVALOC Flood System	eq	3097035	48	8015	Food Grade Silicone Oil	6x1 lt	2105047	28	7253	PU Primer, Unpainted Metal	10x25 ml	1601016	44	7802	Varnish Spray Coating	12x400 ml	2105034	35
97121	Pinch-valve Applicator	eq	3097121	48	8104	Food Grade Silicone Grease*	12x400 ml	2105061	28	7253	PU Primer, Unpainted Metal	10x25 ml	1601016	44	7802	Varnish Spray Coating	12x400 ml	2105034	35
97262	Needle Selection Pack	Kit	2021025	48	7200	Gasket Remover	400 ml	8515084	43	7253	PU Primer, Unpainted Metal	10x25 ml	1601016	44	7802	Varnish Spray Coating	12x400 ml	2105034	35
		Kit	1910252	47	3020	Gaskets Adhesive	400 ml	501061	14	7253	PU Primer, Unpainted Metal	10x25 ml	1601016	44	7802	Varnish Spray Coating	12x400 ml	2105034	35
		eq	1096715	48	7850	Hand Cleaner	4x3 lt	8002012	42	5007	Rapid rubber repair gun	600 ml	—	46	3022	please contact Henkel Loctite	12x400 ml	2105032	36
		eq	3097035	48	7850	Hand Cleaner	12x400 ml	8002011	42	5007	Rapid rubber repair gun	600 ml	—	46	3022	please contact Henkel Loctite	12x400 ml	2105032	36
		eq	3097121	48	8104	Food Grade Silicone Grease*	12x400 ml	2105061	28	3902	Kit	1096715	46	3024	please contact Henkel Loctite	12x400 ml	2105032	36	
		Kit	2021025	48	8021	Food Grade Silicone Oil	6x1 lt	2105047	28	638	Retainer, High Strength*	50 ml	113082	17	3025	please contact Henkel Loctite	12x400 ml	2105032	36
		Kit	1910252	47	7200	Gasket Remover	400 ml	8515084	43	638	Retainer, High Strength*	50 ml	113082	17	3025	please contact Henkel Loctite	12x400 ml	2105032	36
		eq	1096715	48	3020	Gaskets Adhesive	400 ml	501061	14	638	Retainer, High Strength*	250 ml	113083	17	3026	please contact Henkel Loctite	12x400 ml	2105032	36
		eq	3097035	48	7850	Hand Cleaner	12x400 ml	8002011	42	603	Retainer								

Structural Bonding

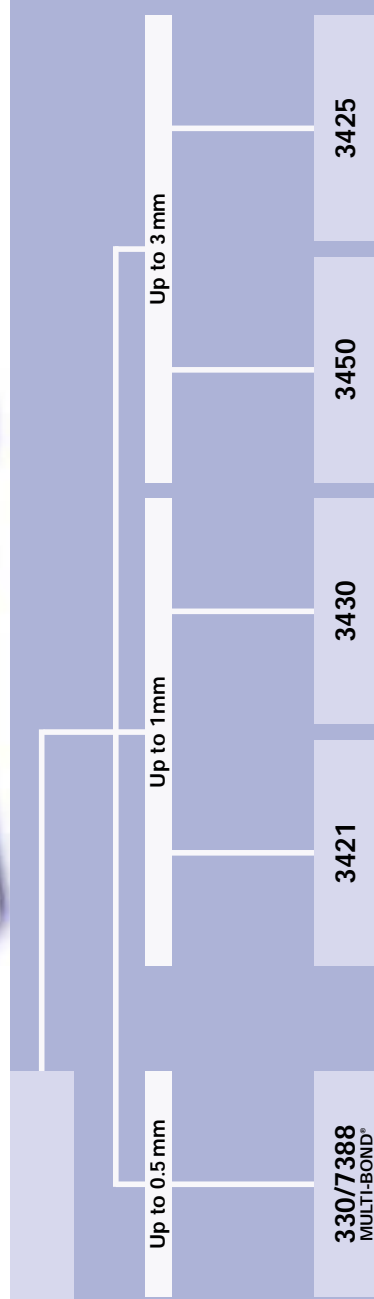
- Bonds a wide variety of materials such as wood, metals, hard plastics and glass
- Provide a tough and resilient joint
- Have high shear and peel strength

What is the bond gap?

Handy Hints:

- All parts must be clean & dry before bonding – use Loctite® 7063
- For slow curing products, clamp during cure
- For maximum peel and impact resistance use Loctite® 330/MULTI-BOND®

Solution



Operating Temperature	Up to 100 °C	Up to 100 °C	Up to 100 °C	Up to 100 °C
Paintable	No	Yes	Yes	Yes
Maximum Gap	Up to 0.5 mm	Up to 1 mm	Up to 3 mm	Up to 3 mm
Cure Method	Activator 7388	Two component	Two component	Two Component
Fixture Time	<5 min.	280 min.	12 min.	150 min.
Consistency	Gel	Thick liquid	Thick liquid	Gel
Especially for	Metal, plastics, glass	Metal, wood	Metal, glass	Metal, rigid plastics
Pack Sizes	50 ml/18 ml kit, 315 ml cartridge	2 x 0.9 litre tins	24 ml twin syringe (manual mixing)	2 x 0.9 litre Tins
Dual Cartridge (with static mixer)	-	50 ml, 200 ml	24 ml	25 ml, 200 ml

Application Examples



Loctite® 330/7388 MULTI-BOND® 50 ml Kit
Two part no mix fast curing toughened adhesive with good solvent, moisture, impact resistance, and good peel strength.
P1 NSF Reg. No.: 123005



Loctite® 3421 Multi-purpose
Slow-curing adhesive. Excellent humidity and water resistance. Very high shear strength, long working life. Ideal for bonding large surfaces and parts which need careful alignment.



Loctite® 3430 Clear
Two part mix adhesive for bonding rigid transparent parts. Recommended for repairing parts where clarity is important.



Loctite® 3450 Metal coloured
General purpose adhesive for large (3 mm) bond gaps. High viscosity. Good chemical resistance and heat ageing properties. Ideal for bonding metal surfaces.



Loctite® 3425 Toughened
High viscosity, toughened adhesive for bond gaps up to 3 mm. High shear strength. Good chemical and humidity resistance. Suitable for rigid plastics such as GFR (Glass Re-enforced Plastic) and SMC (Sheet Moulding Compound).

Flexible Sealing and Bonding

- Withstand impact shock and bonding
- Resist thermal expansion and contraction as well as vibration
- Have very good gap fill
- Wide temperature range
- Good weathering resistance

Are you sealing electrical items?

Handy Hints:

- To improve adhesion of Loctite® 5221/5225/5226 use the following primers:
Loctite® 7251 – Glass
Loctite® 7252 – Plastic and paint
Loctite® 7253 – Metal

Yes

No

Do you require high temperature resistance?

Yes

No

Up to 250 °C

Up to 350 °C

If a higher strength sealer and/or paintability is required

Solution

5145

5366

5398
Food grade

5399

5226

5069

Operating Temperature	Up to 200 °C	Up to 250 °C	350 °C	Up to 350 °C	Up to 80 °C	Up to 100 °C
Paintable	No	No	No	No	Yes	Yes
Cure Method	Moisture	Moisture	Moisture	Moisture	Moisture	Moisture
Skin Over Time	70 min.	5 min.	8 - 10 min.	5 min.	70 min.	15 min.
Viscosity	Paste	Paste	Liquid	Paste	Paste	Paste
Especially for	Electrical components	Glass	Sealing/Potting	Oven door seals heat source sealing	Flexible, medium strength bonds	Flexible bonds, joint sealing
Colour Variations	Translucent	5366 - Clear 5367 - White 5368 - Black	Red	Red	5226 - Black 5221 - Grey 5225 - White	Low Strength: 5062 - Black, 5063 - Grey, 5064 - White Medium: 5065 - Black, 5066 - Dark-Grey, 5068 - White High Strength: 5069 - Black
Pack Sizes	40 ml kit, 300 ml	310 ml	310 ml	310 ml	300 ml	310 ml

Application Examples



Loctite® 5145
Flexible non-corrosive electrical grade Adhesive/Sealant

Low odour, neutral cure that does not corrode electrical and electronic components.



Loctite® 5366/5367/5368
Flexible Adhesive

Cures to a flexible rubber. Recommended for bonding, sealing and protecting components subjected to vibration. Suitable for glass, metal, ceramics, composites, and most plastics.



Loctite® 5398
Flexible Adhesive/Sealant Food grade

Recommended for sealing heat exchangers, steam circuits, water heaters, ovens and in equipment such as turbines, pumps and other areas within the food processing environment. The product may also be used for protection and insulation of electrical boxes.



Loctite® 5399
Flexible high temperature Adhesive/Sealant

Suitable for bonding and sealing glass, metal, and ceramics, where temperature can reach 350 °C, e.g. sealing of stove flues/chimneys, industrial ovens, electro-appliances and ventilation systems.



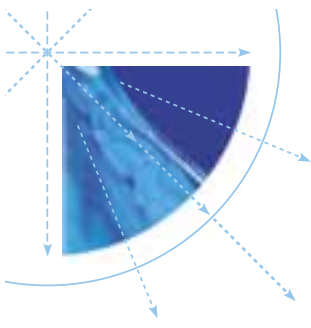
Loctite® 5221/5225/5226
Flexible Adhesive/Sealant

Paintable, with good chemical resistance. Recommended for bonding materials with different coefficients of thermal expansion. See handy hints.



Loctite® 5062/5063/5064 5065/5066/5068/5069
MS Polymer Adhesive/Sealant

Permanently join and seal bare and painted metals, plastics, wood and many other materials, without the need for primers. Good UV resistance.





Lubrication – Oils

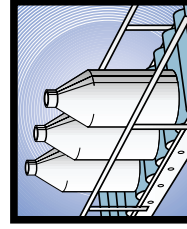
- Prevent seizing and galling during assembly and operation
- Inhibit corrosion and oxidation in chemically and thermally aggressive environments
- Penetrate and free corroded assemblies



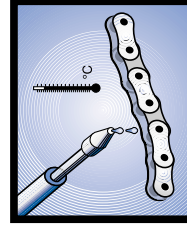
Oil						
	Low viscosity penetrating oil	Lubricate chains	Free rusted, and seized parts	Silicone oil	Cutting oil	General purpose
Solution	8001 Food grade	8011	8018	8021	8031	8201

Appearance	Colourless	Yellow	Colourless	Colourless liquid	Colourless liquid	Light yellow liquid
Base Oil and Additives	Mineral oil	Synthetic	Mineral	Silicone	Mineral	Mineral
Viscosity	11 mm ² /s	11 mm ² /s	< 100 mPa.s	350 mPa.s	46 mm ² /s	17.5 mm ² /s
Temperature Range	-20 to +120 °C	-30 to +250 °C	N.A.	-30 to +50 °C	N.A.	-20 to +120 °C
Load Test 4 Ball N	1800	1260	N.A.	N.A.	5000	-
Pack Sizes	400 ml	400 ml	300 ml	400 ml aerosol	400 ml aerosol	400 ml aerosol

Application Examples



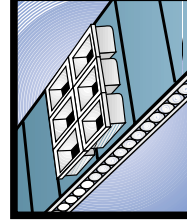
Loctite® 8001
Food approved mineral oil spray
(Not available in UK.)
Multi-purpose penetrating oil. Product is suitable for the food, pharmaceutical and textile industries. It is ideal for lubricating valve seats, collars, chains, hinges, cutting knives in food transport equipment and sewing machines.
H1 NSF Reg. No.: 122999



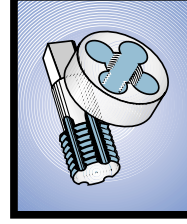
Loctite® 8011
High temperature chain oil spray
(Not available in UK.)
Oxidation resistance prolongs lubricant service life. This product is used for the lubrication of open mechanisms, conveyors and chains at elevated temperatures up to 250 °C.
H2 NSF Reg. No.: 122978



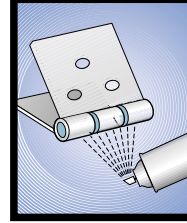
Loctite® 8018
Solve Rust
Releases rusted, corroded and seized components. A penetrating oil to free rusted nuts, bolts, screws, fittings, other fasteners as well as metal components in industrial equipment. Also recommended for cleaning parts before lubrication and as light lubricant and rust inhibitor.



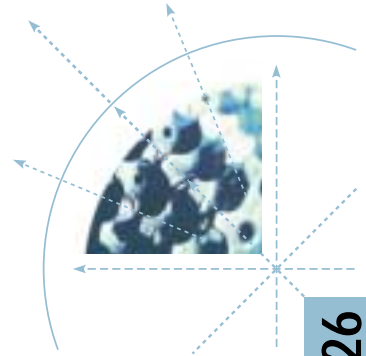
Loctite® 8021
Silicone oil
Ideal for lubricating plastics and elastomers.



Loctite® 8031
Cutting oil
(Not available in UK.)
Protects cutting tools in operation. To be used when drilling, sawing or tapping steel and most non-ferrous metals. It is especially designed for use with stainless steel.



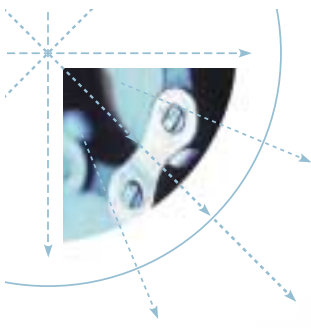
Loctite® 8201
Five way spray
Frees, lubricates, cleans. Displaces moisture, and prevents corrosion. Ideal for light lubrication of metals and freeing assemblies.





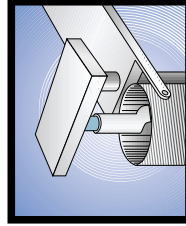
Lubrication – Greases

- Prevent seizing and galling during assembly and operation
- Inhibit corrosion and oxidation in chemically and thermally aggressive environments
- Withstand high temperatures and extreme pressures

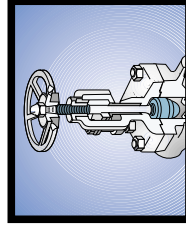


		Grease					
		Food grade products		High performance		Chains, gears	
Solution		8105	8104	8105	8102	8103	8101
Appearance	White paste	Colourless smooth paste	White	Beige high tack paste	Black smooth paste	Amber high tack paste	
Base Oil and Additives	Mineral	Silicone	Mineral	Mineral E.P.	Mineral E.P. MoS ₂	Synthetic E.P.	
Viscosity	Paste	Paste	Paste	Paste	Paste	Paste	
Thickener	-	Silica Gel	Inorganic Gel	Lithium soap complex	Lithium soap	Lithium soap	
Drop Point	-	-	None	290 °C	>190 °C	>190 °C	
N.L.G.I. Class	2	2/3	2	2	2	2	
Speed Characteristics DN Factor	-	50,000	150,000	500,000	500,000	N.A.	
Temperature Range	-30 to +130 °C	-50 to +200 °C	-50 to +150 °C	-30 to +200 °C	-20 to +150 °C	-25 to +170 °C	
Load Test 4 Ball N	N.A.	N.A.	1600 Weld load	3150	3500	3150	
Pack Sizes	400g	1 litre can	400 ml cartridge	400g cartridge 1 litre can	400g cartridge 1 litre can	400 ml aerosol	

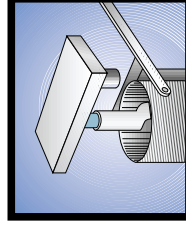
Application Examples



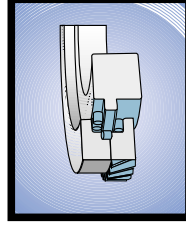
**Loctite® 8015
Food grade grease**
Multi-purpose.
White mineral grease for bearings, slides, bushes and linkages.



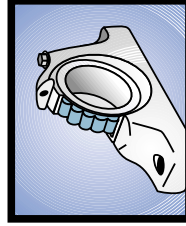
**Loctite® 8104
Food grade silicone grease**
Recommended for lubrication of most elastomeric and plastic parts. Food approved.
Meets CHERNA Guide 1992.
H1 NSF Reg. No.: 122981



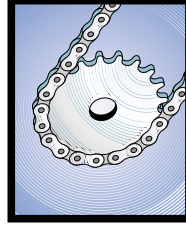
**Loctite® 8105
Food grade mineral grease**
(Not available in UK.)
Lubricant for moving parts. It is ideally suited for bearings, equipment in food processing and pharmaceutical industries.
cams, valves and conveyors for food and pharmaceutical products.
H1 NSF Reg. No.: 122979



**Loctite® 8102
High performance grease**
(Not available in UK.)
Can be used in humid conditions and withstands heavy loads at medium and high speeds.
Use for lubrication of bearings, open gears and slide ways.



**Loctite® 8103
MoS₂ grease**
(Not available in UK.)
Withstands heavy loads and vibration at all speeds.
Typically used on cylindrical roller and plain bearings.



**Loctite® 8101
chain lubricant**
(Not available in UK.)
Water resistant.
Chain lubricant with anti-filing properties.
Use on open mechanisms such as chains and gears.

Lubrication - Anti-seize

- Prevent seizing and galling during assembly and operation
- Inhibit corrosion and oxidation in chemically and thermally aggressive environments
- Prevent wear and cold welding during assembly and operation

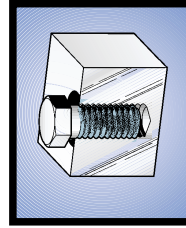


Anti-seize paste					
	Food grade	Copper base up to 980 °C	General purpose up to 1300 °C	Electrical contacts	Assembly Paste
Solution	8014	8007/8008	8013	8152	8154

Appearance	White paste	Copper paste	Dark grey paste	Black paste	Black
Solid Lubricating Agent	Mineral	Copper	Mineral	Mineral/Graphite	MoS ₂
Torque Coefficient¹	-	0.16	0.16	0.16	N.A.
N.L.G.I. Class	1	-	1	1	N.A.
Temperature Range	-30 to +400 °C	up to 980 °C	-30 to +1300 °C	-50 to +1300 °C	-35 to +450 °C
Pack Sizes	250 g	Aerosol 400 ml, Brush top 500 g	Brush top 500 g	Brush top 500 g	1 litre can

¹ on steel, nuts and bolts

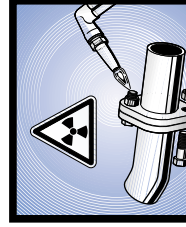
Application Examples



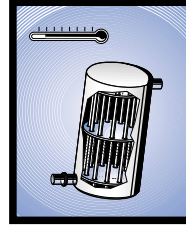
Loctite® 8014
Food grade
Anti-seize-brush top
 White, metal free Anti-seize paste. For use on stainless steel components in food processing and packaging.
H1 NSF Reg. No.: 123004



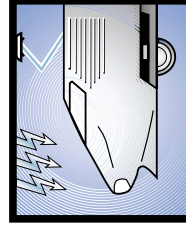
Loctite® 8007
C5-A® - Aerosol
Loctite® 8008
C5-A® - Brush Top
 A general purpose Anti-seize lubricant which protects metal parts from corrosion, galling and seizing and ensures easy dismantling.
 Do not use on stainless steel.



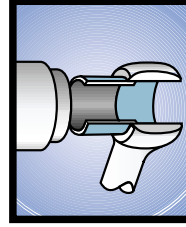
Loctite® 8013
N 7000
Anti-seize brush top
 A high purity metal free Anti-seize with excellent chemical resistance. Recommended for use in all power stations including nuclear plants.



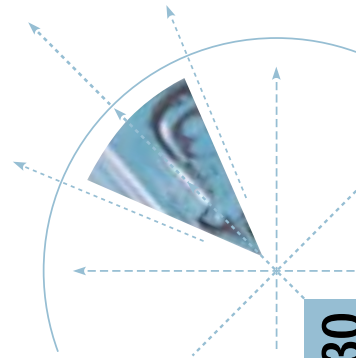
Loctite® 8009
Heavy duty
Anti-seize-brush top
 Metal free Anti-seize. Provides long term lubrication on all metals. Widely used in petrochemical plants and where copper based Anti-seize is not permitted.



Loctite® 8152
Copper paste
Anti-seize
 (Not available in UK.)
 Ideal for static and slow moving assemblies.
 Resists arcing making it ideal for electrical contacts, switches and isolators.
 Do not use on stainless steel.



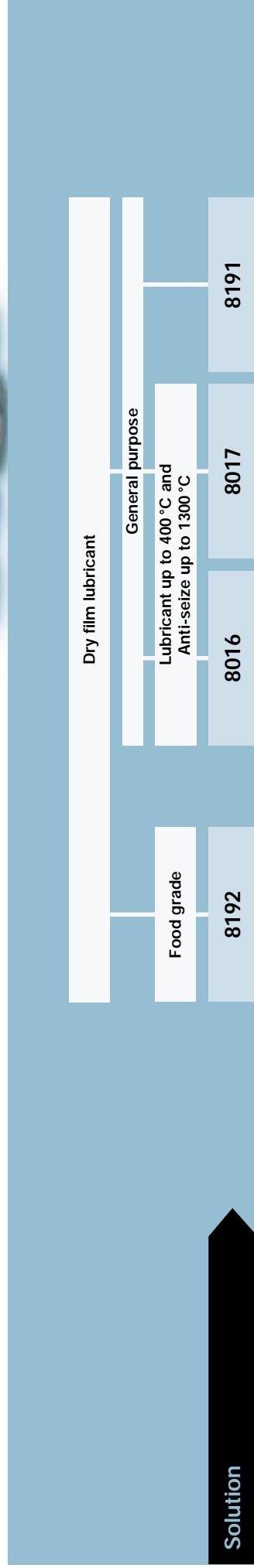
Loctite® 8154
Spray assembly paste
with MoS₂
 (Not available in UK.)
 Assists the assembly of cylindrical parts, bearings, wheels, gears, splined shafts, etc.
 Prevents fretting and galling.
 This spray protects components during the running-in periods. MoS₂ can provide emergency lubrication.
H2 NSF Reg. No.: 122982



Lubrication – Dry Film



- Prevent seizing and galling during assembly and operation
- Inhibit corrosion and oxidation in chemically and thermally aggressive environments
- Prevent wear and cold welding during assembly and operation

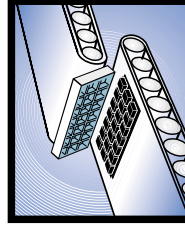


Solution

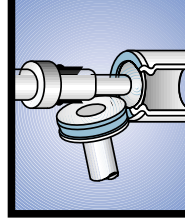
Appearance	Off white paste	Black	Black	Black
Solid Lubricating Agent	PTFE	MoS ₂	MoS ₂	MoS ₂
Torque Coefficient ¹	-	0.06 - 0.12	0.06 - 0.12	-
Temperature Range	-180 to +260 °C	-30 to +400/1300 °C	-30 to +400/1300 °C	-180 to +450 °C
Pack Sizes:	400 ml aerosol	340 g aerosol	500 g	400 ml aerosol

¹ on steel, nuts and bolts

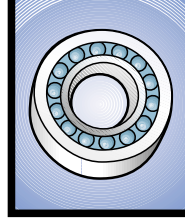
Application Examples



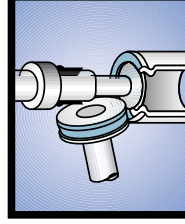
Loctite® 8192
PTFE coating
(Not available in UK.)
Food approved coating.
Meets CNERNA Guide 1992.
Ideal for use on conveyor belts, sideways and cams.
H2 NSF Reg. No.: 122980



Loctite® 8016
Moly dry film – aerosol
Contains MoS₂.
Copper-free.
Fast air-dries to protect sliding surfaces and slow moving parts.
Recommended for use in dusty environments.



Loctite® 8017
Moly dry film-Tin
Contains MoS₂.
Copper-free.
Fast air-dries to protect sliding surfaces and slow moving parts.
Recommended for use in dusty environments.



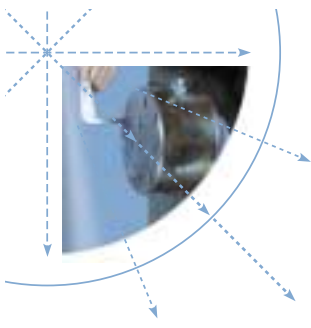
Loctite® 8191
MoS₂ Anti-friction coating – aerosol
(Not available in UK.)
Rapidly air-dries to protect surfaces from fretting and corrosion.
Enhances the performance of oils and greases.





Surface Treatment and Rust Prevention

- Stabilize existing rust
- Guard against corrosion
- Prevent electro-chemical corrosion
- Increase belt friction

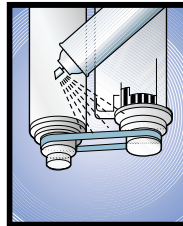


Surface Treatment and Rust Prevention

Solution	Belt dressing		Rust treatment		Corrosion protection	
	8005	7500	7800/7922	7802	7803	General purpose
			Cathodic protection	Removable	Non Drying	

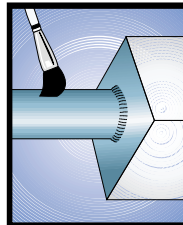
Description	Liquid spray	Rust treatment	Zinc spray	Varnish spray	Metal protection coating
Colour	Colourless	!Matt black	Grey	Blue	Amber
Temperature Range	-30 to +250 °C	N.A.	-50 to +550 °C	-10 to +80 °C	-10 to +40 °C
Pack Sizes	400 ml aerosol	1 litre can	400 ml aerosol	400 ml aerosol	400 ml aerosol

Application Examples



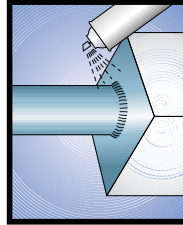
Loctite® 8005 Belt dressing

Recommended to prevent slippage and increase friction for all types of belts.
It extends belt life.



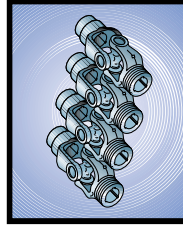
Loctite® 7500 Rust treatment

Converts existing rust into a stable base.
Cured product acts as a primer ready for painting.
Protect surfaces from corrosion.
Use on metal pipes, valves, fittings, storage tanks, fences, guard rails, conveyors, construction and agricultural equipment.



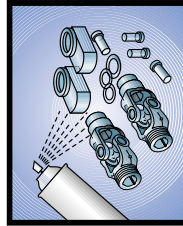
Loctite® 7800 Zinc spray shiny Loctite® 7922 Zinc spray matt

(Loctite® 7922 is not available in UK)
Provides excellent cathodic protection on ferrous metals.
Can be used as a primer prior to painting.
Especially suitable for protecting welds from corrosion on galvanised parts.



Loctite® 7802 Varnish spray

(Not available in UK)
Easy to remove coating that provides long term protection.
Protects equipment such as cutting and stamping tools in perfect condition during indoor and outdoor storage.



Loctite® 7803 Metal protection coating spray

(Not available in UK)
Non drying, tack free coating which provides long term corrosion protection.
Is compatible with most plastics and elastomeric materials.
Long term protection of metal assemblies such as moulds, machines, and outdoor installations.



Fibre-reinforced Plastic Repair

- Repair fibre- or glass-reinforced plastics, wood or metal parts
- Fill and seal cracks, holes and other gaps
- Products are waterproof and paintable
- Repairs can be sanded, shaped and machined
- Join and repair structural panels and stiffeners



Repair, rebuild or join Fibre Reinforced Plastic parts

Handy Hints:

- Use Loctite® 3029 Hardener
- Loctite® 3029 Hardener initiates and speeds the cure of Loctite® Polyester resin based products
- Add the hardener to the resin in the recommended proportions and mix thoroughly

Bridge and seal large gaps and holes

3022

Repair osmosis blisters and small holes

3024

Fill and seal large gaps and cracks

3025

Strong structural repair

3026

Fit and repair panels and stiffeners

3028

Solution

Description	Glassfibre Paste	Gelcoat Filler	Marine Filler	Marine Epoxy	Glass Fibre Resin Kit
Colour	Blue/Green	White	White	White/Grey	Semitransparent Gold
GRP*, Steel, Aluminium	Yes	Yes	Yes	Yes	Yes
Enamel	No	Yes	No	No	No
Wood	Yes	No	Yes	Yes	Yes
Stainless Steel	No	No	No	Yes	No
Mix Ratio by wt.	97 to 3	9% to 4	97 to 3	1 to 1	9% to 4
Working time	8 min.	8 min.	6 min.	15 min.	5 min.
Setting time at 20 °C	10 min.	10 min.	10 min.	60 min.	10 min.
Sandable after at 20 °C	20 min.	60 min.	20 min.	Cure time 240 min.	20 min.
Pack Sizes	165 g, 750 g	165 g	150g, 665 g	150 g	Kit

*GRP – Glass Fibre Reinforced Plastic

Application Examples



Loctite® 3022
Glass Fibre Paste
 Two part, glass fibre reinforced Polyester paste. High strength bond for structural repair. Extremely water-resistant. Sets in 10 min.; can be sanded after another 10 min. Recommended for repairing holes and gaps up to 50 mm in GRP*, aluminium, steel and wood.



Loctite® 3024
Gelcoat Filler
 Two part Polyester resin. Can be over-painted to match topside colour scheme. Can be combined with Loctite® 3025 for larger repairs. Fully cured in 60 min. to a water-proof, hard, white finish. Specially formulated for minor damage (osmosis blisters, scratches and small holes) in glass fibre and enamelled surface finishes.



Loctite® 3025
Marine Filler
 Waterresistant must be over-painted if used below the waterline. Paint-compatible. Sets in 10 min.; can be machined, drilled, tapped and sanded in further 10 min. Recommended for filling and sealing large holes and cracks in hull materials such as glass fibre, steel, aluminium and wood.



Loctite® 3026
Marine Epoxy
 Two part epoxy. Makes a strong and durable repair. Waterproof, fuel-resistant, paint-compatible. Sets in 60 min.; fully cured in 4 hrs. Do not apply a polyester primer directly to Loctite® 3026 Marine Epoxy Seal the epoxy surface first, using a primer paint. Ideal for between-fibres repairs to ferroceum and fibre-reinforced hulls, will also repair wood, steel, stainless steel, cast iron and aluminium components.

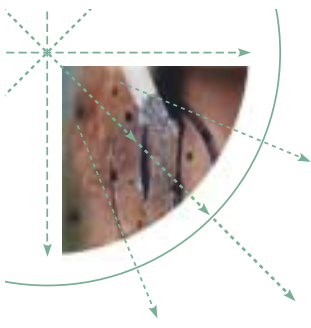


Loctite® 3028
Glass Fibre Resin Kit
 Two part Polyester resin with reinforcing glass fibre mat. The kit contains resin, hardener, glass fibre mat, mixing cup, spatula and brush. Sets in 10 min.; fully cured after 30 min. Recommended for joining different materials such as wooden bulkheads to GRP* hulls or metals and plastics. Enables the formation of a tough, gap-filling fillet where stiffeners and panels are joined.

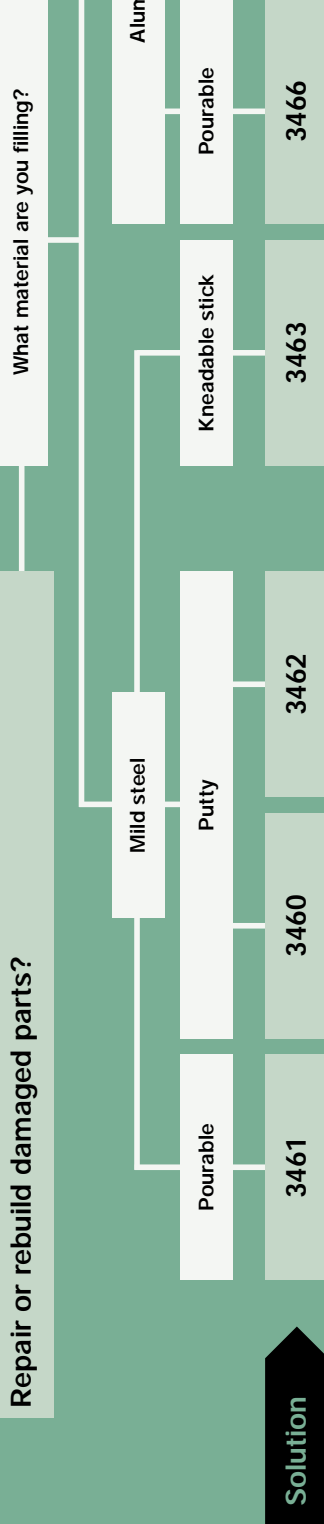


Metal-filled Compounds

- High compressive strength
- Choice of mild steel, aluminium or non metallic fillers
- Can be machined, drilled or tapped after cure
- Excellent resistance to aggressive chemicals



Repair or rebuild damaged parts?



Solution

Description	Steel liquid	Steel putty	Fast set steel putty	Metal Magic Steel™ stick	Aluminium liquid	Aluminium putty	Superior metal putty
Colour	Grey	Grey	Grey	Dark grey	Light grey	Light grey	Grey
Maximum Temperature	105 °C	105 °C	90 °C	120 °C	90 °C	90 °C	120 °C
Mix Ratio by Vol	4 to 1	2.5 to 1	1 to 1	N.A.	4 to 1	4 to 1	4 to 1
Working Time	25 min.	30 min.	3 min.	3 min.	20 min.	20 min.	20 min.
Cure Time	6 hrs	6 hrs	10 min.	10 min.	6 hrs	6 hrs	6 hrs
Pack Sizes	1 kg Kit	1 kg Kit	1 kg Kit	114 g stick	1 kg Kit	1 kg Kit	1 kg Kit

Application Examples



Loctite® 3461
Steel liquid

High steel content.
Pourable filler used for making fixtures and mouldings.



Loctite® 3460
Steel putty

High steel content. putty
Recommended for repairing and rebuilding worn steel components, such as bearing and fan housings.



Loctite® 3462
Fast set steel putty

A fast curing version of steel putty.
Recommended for repairing pipes and other emergency repairs.



Loctite® 3463
Metal Magic Steel™ stick

Kneadable two part paste.
Working time 3 minutes - sets in 10 minutes.
Adheres to damp surfaces.
Can be drilled, filed and painted.
It is ideal for emergency sealing of leaking tanks and pipes.
Smooths welds, repairs small cracks in castings and fills oversized bolt holes.



Loctite® 3466
Aluminium liquid

Fluid, self-leveling aluminium filler.
Can be poured into moulds and cavities.
Recommended for casting replacement parts and for making moulds.



Loctite® 3465
Aluminium putty

General purpose, aluminium putty for repair of all aluminium alloy components.



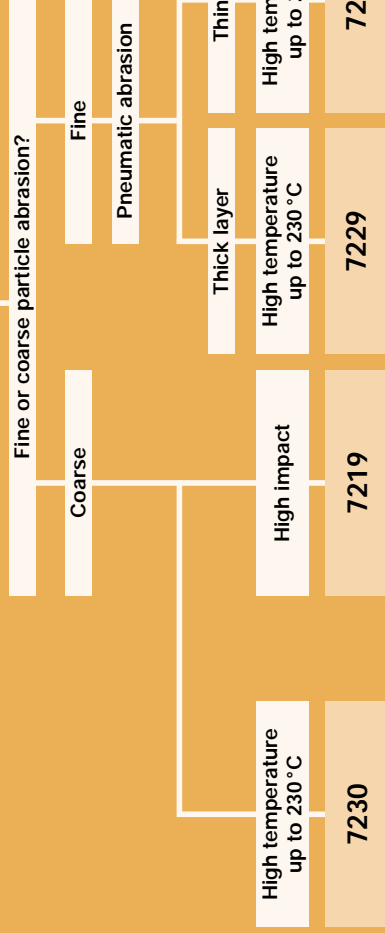
Loctite® 3464
Superior metal putty

Metal free filler with high compressive strength and chemical resistance.
Recommended for use on all metals.

Wearing Compounds

- Restores worn surfaces
- Wear resistant coating
- Use on new parts to extend life
- Available in both trowelable and brushable forms

Repair or rebuild worn surfaces



Solution

Description	High temperature wearing compound	High impact wearing compound	High temperature pneu wear	High temperature brushable ceramic
Colour	Grey	Grey	Grey	Grey
Maximum Temperature	230 °C	120 °C	230 °C	205 °C
Mix Ratio by Volume	4 to 1	2 to 1	4 to 1	2.75 to 1
Working Time	30 min.	30 min.	30 min.	30 min.
Cure Time	7 to 9 hrs*	6 hrs	6 to 8 hrs*	8 to 14 hrs*
Pack Sizes	10 kg Kit	1 kg Kit	10 kg Kit	1 kg Kit

* Require heat cure for maximum temperature resistance

Application Examples



Loctite® 7230
High temperature wearing compound
 Trowelable compound that protects against sliding abrasion. Use to rebuild and protect chutes, pump housings, elbows, cyclones and material handling equipment.



Loctite® 7219
High impact wearing compound
 Toughend adhesive absorbs impacts. Recommended where both sliding abrasion and impacts are present.



Loctite® 7229
High temperature pneu wear
 Resists fine particle abrasion caused in pipe elbows of pneumatic conveyor systems.

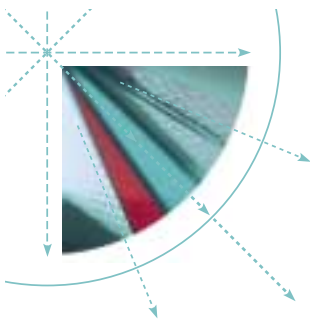


Loctite® 7234
High temperature brushable ceramic
 Smooth, wear, resistant, low friction coating to combat turbulence and cavitation on components such as pump housings and impellers.



Cleaning

- Clean components prior to using Henkel Loctite Adhesives/Sealants
- Clean and degrease worktops and parts
- Remove cured Sealant residue
- The hand cleaner sub-section includes two very effective, gentle and biodegradable hand cleaners



Do you need a hand cleaner or a parts/surface cleaner?

Hand cleaner	Parts/surface cleaner Parts i.e. machined components	Large surfaces i.e. worktops
For ink paint or resin on hands	Are you cleaning electrical contacts?	
7855	Yes	
	No	
General purpose	Are you removing old gaskets?	
7850	Yes	
	No	
	General parts pipe cleaner	
	U-PVC pipe cleaner	
	7063	7840*
	7200* Gasket remover	
	7039	

Solution

Description	Hand cleaner	Contact cleaner spray	Gasket remover	Cleaner and degreaser	Cleaner	Cleaner and degreaser
Pack Sizes	400 ml bottle, 1.75 litre pump dispenser	400 ml aerosol	400ml aerosol	400ml aerosol, 10 litre can, 200 litre drum	1 litre can	750 ml trigger spray, 5 litre can, 20/200 litre drum

* For best product performance clean parts with Loctite® 7063 prior to adhesive application

Application Examples



Loctite® 7855
Hand cleaner
Removes paint, resin and adhesives. Biodegradable and non toxic.



Loctite® 7850
Hand cleaner
Hand cleaner made from natural extracts and free from mineral oils. Biodegradable. Contains premium skin conditioners. Works with or without water. Removes ground-in dirt, grease, grime, and oil.



Loctite® 7039
Contact cleaner spray
Does not affect insulating varnishes. For cleaning electrical contacts, relays, switchgear etc. without affecting insulating varnishes. Displaces moisture and forms a water repellent film.



Loctite® 7200
Gasket remover
Removes cured gasket sealants and traditional gaskets from most types of surfaces in 10 to 15 minutes without scraping.



Loctite® 7063
Cleaner & degreaser
General parts cleaner which leaves no residue - ideal for use prior to adhesive bonding and sealing applications. Compatible with metal, glass, rubber, most plastics and painted surfaces.



Loctite® 7044
U-PVC pipe cleaner
(Not available in UK.)
Product 7044 is a non-aqueous, non-CFC solvent designed for cleaning and degreasing of PVC pipe surfaces before bonding with Loctite® 5004.



Loctite® 7840
Cleaner & degreaser
Biodegradable, solvent free, non-toxic and non flammable, diluted with water. Rated USA-C1.
Removes grease, oil, cutting fluids and workshop grime.



Emergency Repair Products

- Enables rapid repair of damaged or burst pipes, conveyor or drive belts and similar rubber-based components
- Will seal leaks in tanks and other containment vessels in addition to repairing metal parts
- Includes a kit for repairing or replacing damaged O-ring seals and a gas leak detector



Emergency Repair

Handy Hints:

- Use Rapid Rubber Repair Gun with product: Loctite® 3902

Fill holes, smooth welds, repair non-structural defects?	Detect gas leak?	Stop pipe leaks?	Fix damaged belts, conveyors, rubber parts?
3463	7100	5070	3902

Gap/void filling or pipe insulation	Replace or repair O-ring seals
5007	O-Ring Kit

Solution

Application Examples



Loctite® 5007 PU-Foam

Is a moisture-curing polyurethane foam, which expands to fill and seal gaps and voids.

Recommended for sealing pipe entries in walls, insulating pipe-work and tanks, filling gaps around doors and windows, draught-proofing around pipework and cable runs.

Cured material can be machined, sanded and painted.



Loctite® O-Ring kit

Saves the need for complete disassembly.

Eliminates the need for an inventory of different sized O-rings.

Joints resist water/fill and are as strong as the rubber itself.

Kit contains: 7 standard diameter sizes of nitrile cord, splicing jig, safety knife and Loctite® 406 instant adhesive.



Loctite® 3463 Metal Magic Steel™ stick

Working time 3 minutes - sets in 10 minutes.

Adheres to damp surfaces and cures underwater.

Chemical and corrosion resistant. Can be drilled, filled and painted.

It is ideal for emergency sealing of leaking tanks and pipes (i.e. lead, plastic, copper).

Smooths welds, repairs small cracks in castings and fills oversized bolt holes.



Loctite® 7100 Leak Detector

Facilitates the detection of both micro-leaks and larger leaks in gas handling systems.

It will not cause subsequent corrosion and is recommended for use with all gases and gas mixtures except pure oxygen.

Use for temporary/medium term repair of leaking pipes and reinforcement of weak areas.

Kit contains protective gloves, Loctite® Metal Magic Steel™ Stick, and urethane-impregnated GRP tape.



Loctite® 5070 Pipe Repair kit

Repairs pipe leaks in 1 hour. No tools required.

Maximum temperature 120 °C. Easy-to-use repair kit.

Use for temporary/medium term repair of leaking pipes and reinforcement of weak areas.

Kit contains protective gloves, Loctite® Metal Magic Steel™ Stick, and urethane-impregnated GRP tape.



Loctite® 3902 Rapid Rubber Repair Kit

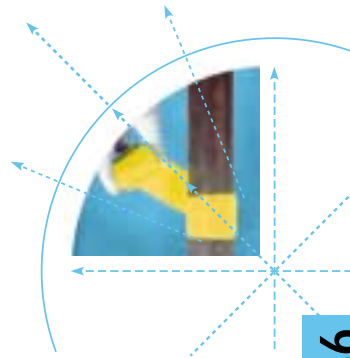
Fast, long-term repairs of rubber materials.

Remains flexible.

Easy application.

This kit is a fast-curing, two-part flexible adhesive/sealant system in an easy-to-use pack.

Operating temperature up to 80 °C. Applications include repair of worn and torn conveyor belts and other rubber equipment.



Equipment

- Henkel Loctite dispensing equipment is specially designed to make application and use of Henkel Loctite products fast, precise, clean and economical
- The following is a selection, from an extensive equipment range, of items most relevant to the products in this guide



Loctite® 97001 Peristaltic Hand Pump
This hand-held applicator is a low-cost, precision bottle top applicator that mounts easily on the top of any Loctite® 50 ml or 250 ml bottle.



Loctite® 97002 Hand-Held Cartridge Applicator (pneumatic)
Dispenses all Henkel Loctite products packaged in a 250 ml squeeze tube or in a 300 ml cartridge.



Loctite® 97006 Digital Syringe Dispenser System
This is a fully-integrated system that will dispense products from water-thin to paste-thick from 1.0 ml plastic syringes.



Loctite® 97262 Needle Selection Pack
Selection of dispensing needles which are used for the application of Henkel Loctite products.



Loctite® 97008 Semi-automatic Controller
Loctite® 97009 Semi-automatic Controller
Fully integrated semi-automatic adhesive dispensing systems.



Loctite® 97121 Pinch valve Applicator
A Pinch-valve with a pneumatic actuator for use with Loctite® 97008 and 97009.



Loctite® 96001 Mixpac 50
Loctite® 96003 Mixpac DM 200-01
Epoxy Twin Syringe Dispenser
Automatically mix Loctite® structural adhesives in their correct proportions. Application is done without waste. In quantities determined by production needs



Loctite® 96001 Mixpac 50
Loctite® 96003 Mixpac DM 200-01
Epoxy Twin Syringe Dispenser
Automatically mix Loctite® structural adhesives in their correct proportions. Application is done without waste. In quantities determined by production needs



Loctite® 97033 UV Wand System
High intensity spot curing system designed to emit UVA and visible light (blue light) for extremely fast curing. Ideal for high-volume production and short cycle times.

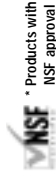


Loctite® 97035 UVALOC Flood System
is a high intensity, bench top modular light cure system. It is equipped with a 1000W metal halide lamp. Designed to emit UVA, UVC and visible light.



Product Ordering Information

- Look for Henkel Loctite Product number on these pages!



Pr.-No.	Product Name	Pack-Size	Order-No.	Page	Pr.-No.	Product Name	Pack-Size	Order-No.	Page
222	Threadlocker, Low Strength*	12x10ml	0103114	11	4850	Flexible Instant Adhesive	20g	0301380	19
222	Threadlocker, Low Strength*	50ml	0103012	11	4850	Flexible Instant Adhesive	500g	0301381	19
222	Threadlocker, Low Strength*	250ml	0103013	11	5007	PU-Foam, white	600 ml	-	46
243	Threadlocker, Medium Strength*	12x10ml	0103242	11	5062	Flexible Adhesive Sealant, Low Modulus, Black	310 ml	1606001	25
243	Threadlocker, Medium Strength*	50ml	0103246	11	5062	Flexible Adhesive Sealant, Low Modulus, Grey	310 ml	1606002	25
243	Threadlocker, Medium Strength*	250ml	0103244	11	5064	Flexible Adhesive Sealant, Low Modulus, White	310 ml	1606003	25
270	Threadlocker, High Strength*	12x10ml	0103303	11	5066	Flexible Adhesive Sealant, Medium Modulus, Black	310 ml	1606004	25
270	Threadlocker, High Strength*	50ml	0113032	11	5066	Flexible Adhesive Sealant, Medium Modulus, Grey	310 ml	1606005	25
270	Threadlocker, High Strength*	250ml	0113033	11	5068	Flexible Adhesive Sealant, Medium Modulus, White	310 ml	1606007	25
2701	Threadlocker, High Strength	50ml	0103310	11	5069	Flexible Adhesive Sealant, High Modulus, Black	310 ml	1606008	25
2701	Threadlocker, High Strength	250ml	0103311	11	5070	Pipe Repair Kit	2"x6 Kit	1096701	47
290	Threadlocker, Wicking	12x10ml	0103363	10	5070	Pipe Repair Kit	4"x12 Kit	1096702	47
290	Threadlocker, Wicking	50ml	0103363	10	510	Flange Sealant, Rigid Parts*	50 ml	0602030	15
290	Threadlocker, Wicking	250ml	0103364	10	510	Flange Sealant, Rigid Parts*	250 ml	0602050	15
302	UV Adhesive	250 ml	0702147	20	5145	Flexible Adhesive Sealant, Non corrosive	40 ml Kit	1709055	24
302	Gaskets Adhesive	400ml	0501061	14	5145	Flexible Adhesive Sealant, Non corrosive	300 ml	1709055	24
3022	please contact Henkel Loctite			36	518	Flange Sealant, Rigid Parts*	65 ml	0501062	13
3022	please contact Henkel Loctite			36	518	Flange Sealant, Rigid Parts*	300 ml	0501064	13
3024	please contact Henkel Loctite			36	5203	Flange Sealant, Low Strength	50 ml	0601070	14
3025	please contact Henkel Loctite			37	5203	Flange Sealant, Low Strength	300 ml	0601053	14
3025	please contact Henkel Loctite			37	5205	Flange Sealant, Aluminium	50 ml	0601071	14
3026	please contact Henkel Loctite			37	5205	Flange Sealant, Aluminium	300 ml	0601090	14
3028	please contact Henkel Loctite			37	5208	Flange Sealant, Rigid Parts	50 ml	0601049	15
330	UV Adhesive	250ml	0703604	21	5208	Flange Sealant, Rigid Parts	250 ml	0601058	15
330	MULTI-BOND® Kit*	50x40 ml	1701172	22	5226	Flexible Adhesive Sealant, Black	12x300 ml	-	25
330	Structural Adhesive, Toughened, non-mix*	315ml	0120011	22	5221	Flexible Adhesive Sealant, Grey	12x300 ml	1601025	25
3421	Structural Adhesive, high gap fill	50ml	1101072	23	5225	Flexible Adhesive Sealant, White	100 ml	2303035	13
3421	Structural Adhesive, high gap fill	200ml	1101073	23	5331	Thread Sealant, Plastic	310 ml	2312031	24
3421	Structural Adhesive, high gap fill	24900ml	1101074	23	5366	Flexible Adhesive Sealant, Clear	310 ml	2312032	24
3425	Structural Adhesive, toughened	10x50ml	1101081	23	5368	Flexible Adhesive Sealant, White	310 ml	2312033	24
3425	Structural Adhesive, toughened	20x200ml	1101082	23	5368	Flexible Adhesive Sealant, Black	310 ml	2312039	24
3425	Structural Adhesive, toughened	24x200ml	1101083	23	5398	Flexible Adhesive Sealant, High temperature, Red	310 ml	2312039	24
3430	Structural Adhesive, fast cure	2x24ml	1101038	23	5399	Flexible Adhesive Sealant, High temperature, Red	310 ml	2312034	25
3450	Metal Set	25 ml	1101009	23	542	Thread Sealant, Hydraulic	12x10ml	0103373	13
3460	Steel Putty	1kg	1095301	38	542	Thread Sealant, Hydraulic	50 ml	0130502	13
3461	Fast Set Steel Putty	1kg	1095302	38	542	Thread Sealant, Hydraulic	250 ml	0113053	13
3462	Fast Set Steel Putty	1kg	1095303	38	55	Pipe Sealing Cord*	150 m	0105500	12
3463	Metal Magic Steel™ Slick	114g	1095304	39/47	5699	Flange Sealant, Big gaps/Glycol resistant*	10x99g	2312022	15
3464	Superior Metal	1kg	1095305	39	5699	Flange Sealant, Big gaps/Glycol resistant*	300 ml	2312025	15
3465	Aluminium Putty	1kg	1095306	39	572	Pipe Sealant, Slow curing	50 ml	0105042	13
3466	Aluminium Liquid	1kg	1095307	39	572	Pipe Sealant, Slow curing	250 ml	0105043	13
350	UV Adhesive	50 ml	0701023	21	577	Sealant, General Purpose Pipe*	50 ml	0113091	13
350	UV Adhesive	250 ml	0701024	21	577	Sealant, General Purpose Pipe*	250 ml	0113093	13
352	UV Adhesive	250 ml	0701104	21	5910	Flange Sealant, Big gaps/Flexible	300 ml	2312028	15
3902	Rapid Rubber Repair Kit	Kit	1096715	47	603	Retainer, High Strength, oil tolerant*	12x10ml	0103586	17
401	Instant Adhesive, General Purpose*	10x33g	0301021	19	603	Retainer, High Strength, oil tolerant*	50 ml	0103587	17
401	Instant Adhesive, General Purpose*	20g	0301302	19	603	Retainer, High Strength, oil tolerant*	250 ml	0103584	17
401	Instant Adhesive, General Purpose*	50g	0301303	19	638	Retainer, High Strength	50 ml	0113082	17
401	Instant Adhesive, General Purpose*	500g	0301305	19	638	Retainer, High Strength	250 ml	0113083	17
406	Instant Adhesive, Elastomers	20g	0301352	18	641	Retainer, Medium Strength	12x10ml	0103063	17
406	Instant Adhesive, Elastomers	500g	0301355	18	641	Retainer, Medium Strength	50 ml	0113072	17
406	Instant Adhesive, Wicking	20g	0301338	19	641	Retainer, Medium Strength	250 ml	0113073	17
406	Instant Adhesive, Wicking	500g	0301337	19	648	Retainer, High Temperature	50 ml	0103643	17
431	Instant Adhesive, General Purpose, High viscosity	20g	0301336	19	648	Retainer, High Temperature	250 ml	0103644	17
431	Instant Adhesive, General Purpose, High viscosity	500g	0301335	19	660	Retainer, Large gap repair*	12x50 ml	9804012	16
454	Instant Adhesive, General Purpose Gel*	10x10ml	0301343	18	7039	Contact Cleaner Spray	12x400 ml	2106931	43
454	Instant Adhesive, General Purpose Gel*	20g	0301342	18	7063	Small Parts Cleaner Aerosol	400 ml	9801680	43
454	Instant Adhesive, General Purpose Gel*	300g	0301346	18	7063	Small Parts Cleaner Pump	400 ml	9801681	43
454	Instant Adhesive, General Purpose Gel* (Collapsible Cartridge)	300g	0301339	18	7063	Small Parts Cleaner	101l	9801678	43
480	Instant Adhesive, Peel Resistant	20g	0301380	18	7200	Leak Detector Spray	400 ml	8515073	47
480	Instant Adhesive, Peel Resistant	500g	0301381	18	7219	Gasket Remover	400 ml	8515084	47
						High Impact/Wearing Compound	1kg	1096752	41

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