

LOCTITE®

Solution Guide



**West McLaren Mercedes
TECHNOLOGY PARTNER**

For detailed product performance information and application guidelines, please refer to Technical Data or contact Henkel Loctite.

Henkel Loctite Adhesives Limited


Watchmead · Welwyn Garden City
Hertfordshire AL7 1JB
Phone: 01707 358800 · Fax 01707 358900

www.loctite.com

LOCTITE®

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2106059

A  Company

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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Fluid Pipe Systems

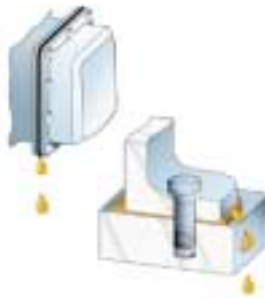


- ? Leaks from hydraulic, air, coolant, oil or other threaded fittings
- ? Blockages caused by debris from traditional tape and hemp/paste sealants
- ? Need to lock and seal valves, gauges, taps and fittings in any position without leaks

See also Emergency Repair Products on page 46

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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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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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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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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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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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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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Lubrication




? Need to combat wear and seizing caused by friction

? Resist high temperatures and tough operating conditions

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Corroding Components




? Prevent corrosion after assembly or during storage

? Guard against electro-chemical effects

? Protect welds at high temperatures

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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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Worn and Damaged Parts



? Re-build, restore, repair metal parts and assemblies

? Make castings, moulds and fixtures

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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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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

Page 42

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

Page 44

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

Page 46

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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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

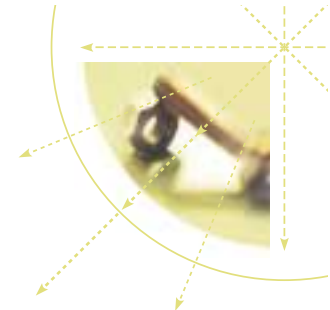
? Need NSF approval check section:

- 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

Yes	No		
	What strength do you require?		
Wicking grade	Low	Medium	High
290	222	243	2701 (improved 270)

Size of Thread	Up to M 12	Up to M 36	Up to M 36	Up to M 20
Strength	Medium/High	Low	Medium	High
Functional Strength ¹	3 hrs	6 hrs	2 hrs	6 hrs
Breakaway Torque M10 bolts	10 Nm	6 Nm	20 Nm	38 Nm
Long-Term Temperature Resistance	+150 °C	+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	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 nitrites wash them with hot water¹
- Clean U-PVC pipe surfaces with Loctite® 7044 prior to joining with Loctite® 5004

Solution

Joining non threaded plastic pipe fittings	Plastic or combined plastic/ metal parts		Metal parts	
	Do you need to make post assembly adjustments?		Are the threads fine or coarse?	
	Yes	No	Fine up to (R½) pipe thread	Coarse up to (R3) pipe thread
	Cord	Liquid	542 Hydraulic and pneumatic	577 (General purpose) 572 Slow cure

Description	Solvent	Cord	Curing gel	Curing liquid	Curing gel	Curing gel
Maximum Thread Size	N.A.	Tested to 4"	3"	3/4"	3"	3"
Temperature Resistance	As plastic	+130 °C	+150 °C	+150 °C	+150 °C	+150 °C
Disassembly Strength	High	Low	Low	Medium	Medium	Medium
Substrate to be Sealed	U-PVC	Metal, plastic or both	Metal, plastic or both	Metal	Metal	Metal
Instant Low Pressure Seal	No	Yes (full pressure)	Yes	No	Yes	No
Pack Sizes:	125 g, 250 g, 500 g	80 g = 150 m cord	100 ml	10 ml, 50 ml, 250 ml	50 ml, 250 ml	50 ml, 250 ml

¹ 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 R1.17; 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.
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 DVGW approval (No. DV-5142 AU0166), together with DIN 30660. Tested in accordance with EN 751-2 Class Arp.
Certified to ANSI/NSF 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 DVGW (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 DVGW 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 DVGW 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/NSF 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					
			What gap must the sealant fill?					
			Up to 0.5 mm			Greater than 0.5 mm		
Coat existing gasket	Positioning cut gaskets	Aluminium	Metals			Plastic or combined plastic/metal parts		
5203	3020	5205	5208	518	510	5910	5699	

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	150 °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.	Good	Moderate	Excellent	Excellent	Moderate	Excellent
Pack Sizes	50 ml, 300 ml cartridge	400 ml aerosol	50 ml, 300 ml cartridge	50 ml, 250 ml tube	65 ml, 300 ml cartridge	50ml,160ml,250ml 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.
P1 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.
P1 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.



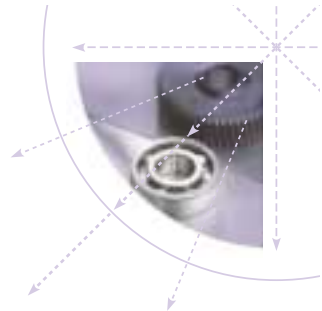
Loctite® 5699

Recommended for sealing all types of flanges including stamped sheet metal where water glycol resistance is required.
P1 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

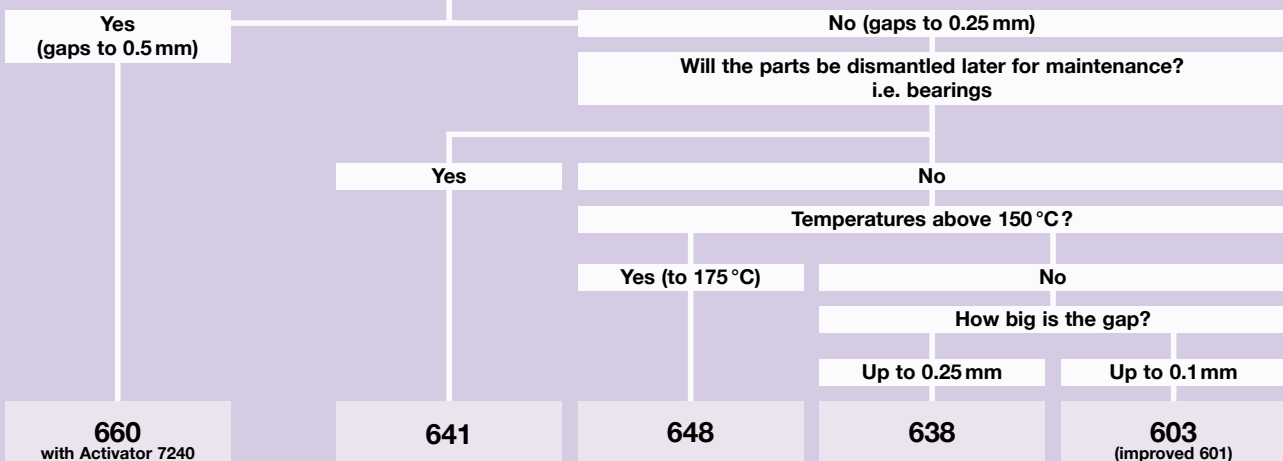


Is the assembly very loose or badly worn?

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 nitrites, wash with hot water
- Can also be used to increase the strength of existing designs

Solution



Strength Required	High	Moderate	High	High	High
Handling Strength ¹	20 min.	30 min.	5 min.	5 min.	10 min.
Diametrical Clearance	Up to 0.5 mm	Up to 0.1 mm	Up to 0.15 mm	Up to 0.25 mm	Up to 0.1 mm
Temperature Resistance	150 °C	150 °C	175 °C	150 °C	150 °C
Pack Sizes	50 ml	10 ml, 50 ml, 250 ml	50 ml, 250 ml	50 ml, 250 ml	10 ml, 50 ml, 250 ml

¹ at 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, tapers, 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.: 123010

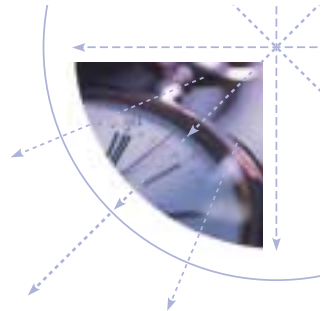


Loctite® 603 (improved Loctite® 601)
For retaining close fitting cylindrical parts (up to 0.1 mm gap). For use on cylindrical fitting parts where thorough degreasing is not possible. Tested and approved for use on bearings.
P1 NSF Reg. No.: 123003



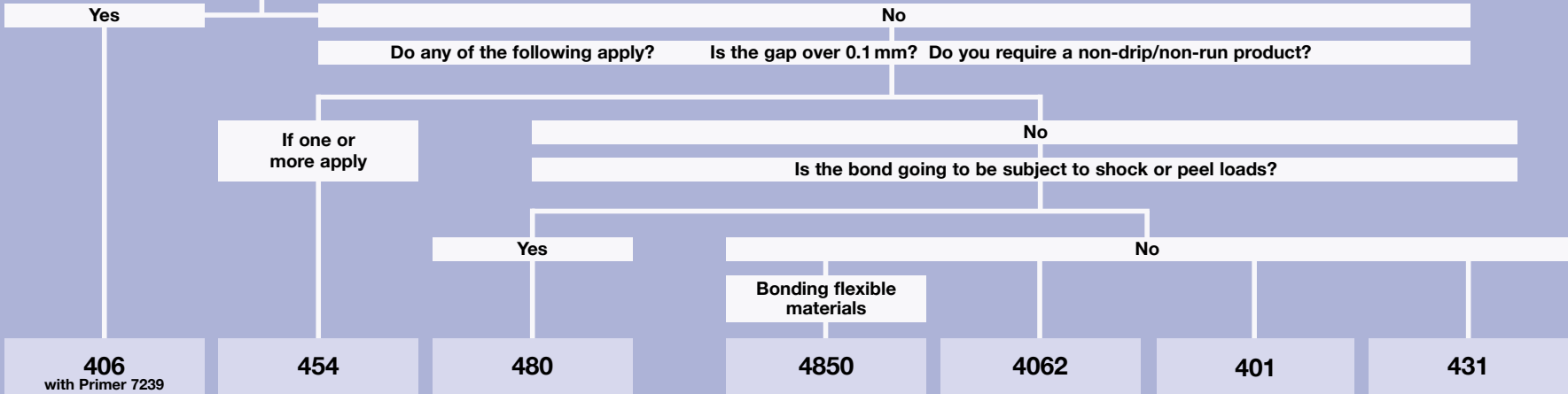
Instant Bonding

- 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



Operating Temperature	Up to 80 °C	Up to 80 °C	Up to 100 °C		70 °C	Up to 80 °C	Up to 80 °C	Up to 80 °C
Fixture Time¹	10-20 sec.	5-20 sec.	60-120 sec.		5-20 sec.	3-20 sec.	5-20 sec.	5-20 sec.
Viscosity mPa.s	20	Gel	300		400	2	110	1000
Especially for	Plastics	Porous Substrates	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	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.
P1 NSF Reg. No.: 123009



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, gaiters, 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.
P1 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

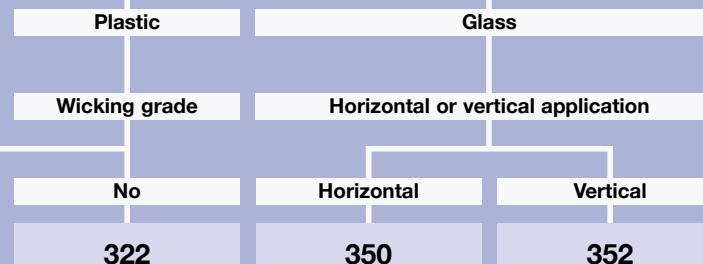


What is your transparent substrate?

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	+100 °C	+120 °C	Up to 120 °C
Fixturing time ¹	1-10 sec.	1-10 sec.	5-20 sec.	5-20 sec.
Viscosity mPa.s	100	5.800	5.500	19.500
Pack sizes	250 ml	250 ml	250 ml	250 ml

¹ Fixturing 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.



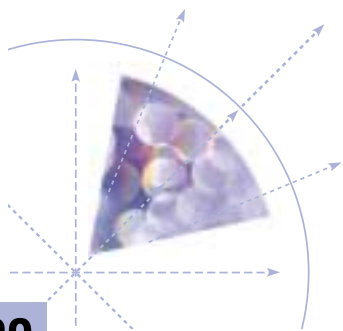
Loctite® 322
Medium viscosity fast curing clear UV curing adhesive.
Recommended for plastics to themselves, metal and glass.



Loctite® 350
Medium viscosity UV curing adhesive.
Highly transparent.
Recommended for glass in combination with glass and metal.



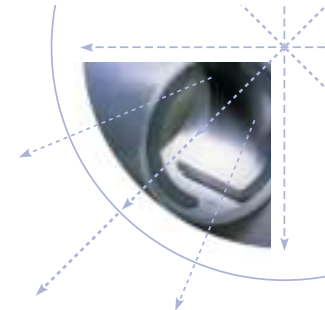
Loctite® 352
Thixotropic clear UV curing adhesive.
Especially designed for vertical application.
Recommended for glass in combination with glass, metal, ceramic and Glass Reinforced Plastic (GRP).





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

Up to 0.5 mm

Up to 1 mm

Up to 3 mm

330/7388
MULTI-BOND®

3421

3430

3450

3425

Operating Temperature	Up to 100 °C	Up to 100 °C	Up to 100 °C	Up to 100 °C	Up to 100 °C
Paintable	No	Yes	Yes	Yes	Yes
Maximum Gap	Up to 0.5 mm	Up to 1 mm	Up to 1 mm	Up to 3 mm	Up to 3 mm
Cure Method	Activator 7388	Two component	Two component	Two component	Two Component
Fixture Time	<5 min.	280 min.	12 min.	12 min.	150 min.
Consistency	Gel	Thick liquid	Thick liquid	Gel	Gel
Especially for	Metal, plastics, glass	Metal, wood	Metal, glass	Metal, wood	Metal, rigid plastics
Pack Sizes	50 ml/18 ml kit, 315 ml cartridge	2x0.9 litre tins	24 ml twin syringe (manual mixing)	2x0.9 litre tins	2x0.9 litre Tins
Dual Cartridge (with static mixer)	–	50 ml, 200 ml	24 ml	25 ml	50 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
Metal-coloured
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.

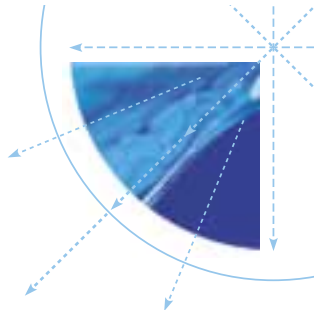


Loctite® 3425
Toughened
High viscosity, toughened adhesive for bond gaps up to 3 mm. High shear strength. Good chemical and humidity resistance. Suitable for rigid plastics such as GRP (Glass Re-enforced Plastic) and SMC (Sheet Moulding Compound).



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

Solution

	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

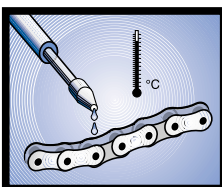


Solution	Oil					
	Low viscosity penetrating oil	Lubricate chains	Free rusted, and seized parts	Silicone oil	Cutting oil	General purpose
	8001 Food grade	8011	8018	8021	8031	8201
Appearance	Colourless	Yellow	Colourless	Colourless liquid	Colourless liquid	Light yellow liquid
Base Oil and Additives	Mineral 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



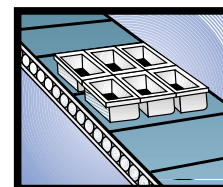
Loctite® 8001
Food approved mineral oil spray
(Not available in UK.)
Multi-purpose penetrating oil.
Product is suitable for the food, pharmaceutical and textile industries.
It is ideal for lubricating valve seats, collars, chains, hinges, cutting knives in food transport equipment and sewing machines.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



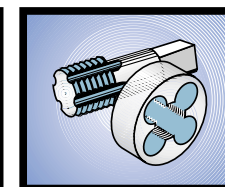
Loctite® 8011
High temperature chain oil spray
(Not available in UK.)
Oxidation resistance prolongs lubricant service life.
This product is used for the lubrication of open mechanisms, conveyors and chains at elevated temperatures up to 250 °C.
H2 NSF Reg. No.: 122978



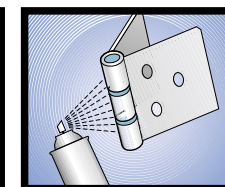
Loctite® 8018
Solvo Rust
Releases rusted, corroded and seized components.
A penetrating oil to free rusted nuts, bolts, screws, fittings, other fasteners as well as metal components in industrial equipment.
Also recommended for cleaning parts before lubrication and as light lubricant and rust inhibitor.



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.

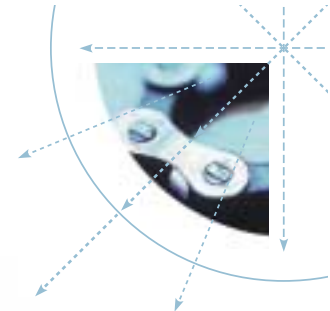


Loctite® 8201
Five way spray
Frees, lubricates, cleans.
Displaces moisture, and prevents corrosion.
Ideal for light lubrication of metals and freeing assemblies.



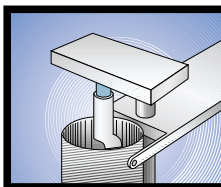
Lubrication – Greases

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

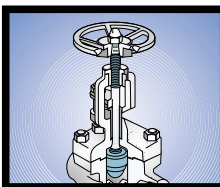


Solution	Grease					
	Food grade products			High performance		Chains, gears
	8105	8104	8105	8102	8103	8101
Appearance	White paste	Colourless smooth paste	White	Beige high tack paste	Black smooth paste	Amber high tack paste
Base Oil and Additives	Mineral	Silicone	Mineral	Mineral E.P.	Mineral E.P. MoS 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	400 g	1 litre can	400 ml cartridge	400 g cartridge 1 litre can	400 g cartridge 1 litre can	400 ml aerosol

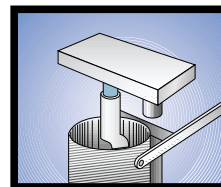
Application Examples



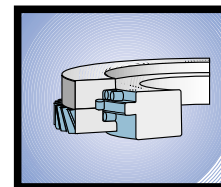
Loctite® 8015
Food grade grease
Multi-purpose.
White mineral grease for bearings, slides, bushes and linkages.



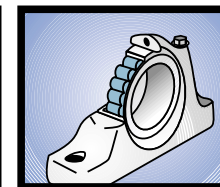
Loctite® 8104
Food grade silicone grease
Recommended for lubrication of most elastomeric and plastic parts. Food approved.
Meets CNERNA Guide 1992.
H1 NSF Reg. No.: 122981



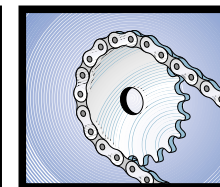
Loctite® 8105
Food grade mineral grease
(Not available in UK.)
Lubricant for moving parts.
Recommended for use on equipment in food processing and pharmaceutical industries.
It is ideally suited for bearings, cams, valves and conveyors for food and pharmaceutical products.
H1 NSF Reg. No.: 122979



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 taper, 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

Solution

Food grade

Copper base
up to 980 °C

General purpose up to 1300 °C

Electrical contacts

Assembly Paste

8014

8007/8008

8013

8009

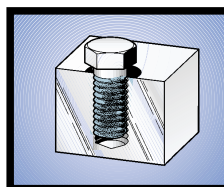
8152

8154

Appearance	White paste	Copper paste	Dark grey paste	Black paste	Copper paste	Black
Solid Lubricating Agent	Mineral	Copper	Mineral	Mineral/Graphite	Copper	MoS ₂
Torque Coefficient ¹	-	0.16	0.16	0.16	-	N.A.
N.L.G.I. Class	1	-	1	1	2	N.A.
Temperature Range	-30 to +400 °C	up to 980 °C	-30 to +1300 °C	-50 to +1300 °C	-35 to +1100 °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	400 ml

¹ on steel, nuts and bolts

Application Examples



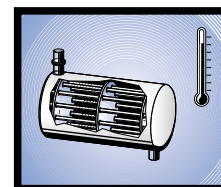
Loctite® 8014
Food grade
Anti-seize-brush top
White, metal free Anti-seize paste.
For use on stainless steel components in food processing and packaging.
H1 NSF Reg. No.: 123004



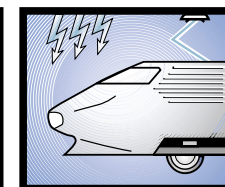
Loctite® 8007
C5-A® - Aerosol
Loctite® 8008
C5-A® - Brush Top
A general purpose Anti-seize lubricant which protects metal parts from corrosion, galling and seizing and ensures easy dismantling.
Do not use on stainless steel.



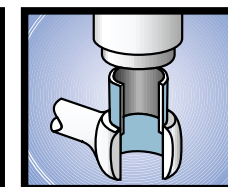
Loctite® 8013
N 7000
Anti-seize brush top
A high purity metal free Anti-seize with excellent chemical resistance. Recommended for use in all power stations including nuclear plants.



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.

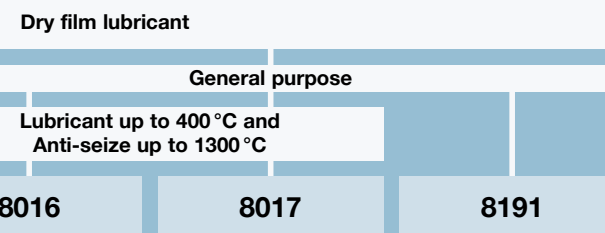


Loctite® 8154
Spray assembly paste
with MoS₂
(Not available in UK.)
Assists the assembly of cylindrical parts, bearings, wheels, gears, splined shafts, etc.
Prevents fretting and galling.
This spray protects components during the running-in periods.
MoS₂ can provide emergency lubrication.
H2 NSF Reg. 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

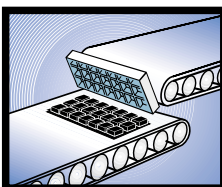


Solution

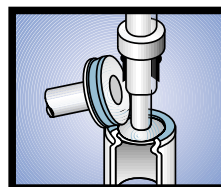
	8192	8016	8017	8191
Appearance	Off white paste	Black	Black	Black
Solid Lubricating Agent	PTFE	MoS ₂	MoS ₂	MoS ₂
Torque Coefficient ¹	–	0.06 - 0.12	0.06 - 0.12	–
Temperature Range	-180 to +260 °C	-30 to +400/1300 °C	-30 to +400/1300 °C	-180 to +450 °C
Pack Sizes:	400 ml aerosol	340 g aerosol	500 g	400 ml aerosol

¹ on steel, nuts and bolts

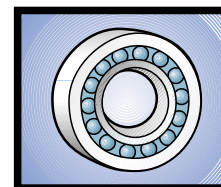
Application Examples



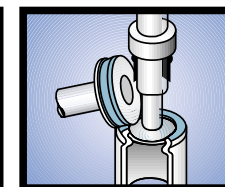
Loctite® 8192
PTFE coating
(Not available in UK.)
Food approved coating.
Meets CNERNA Guide 1992.
Ideal for use on conveyor belts, slideways and cams.
H2 NSF Reg. No.: 122980



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.



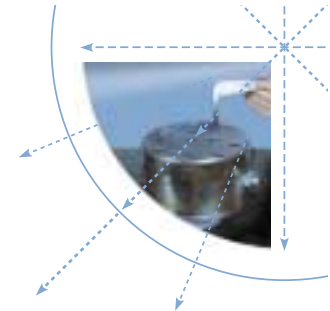
Loctite® 8191
MoS₂ Anti-friction coating – aerosol
(Not available in UK.)
Rapidly air-dries to protect surfaces from fretting and corrosion.
Enhances the performance of oils and greases.





Surface Treatment and Rust Prevention

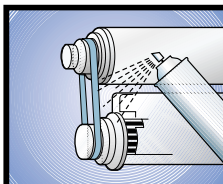
- Stabilize existing rust
- Guard against corrosion
- Prevent electro-chemical corrosion
- Increase belt friction



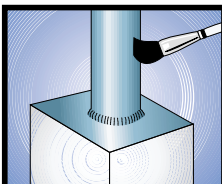
Surface Treatment and Rust Prevention

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

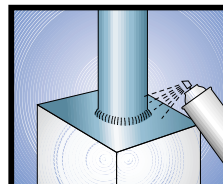
Application Examples



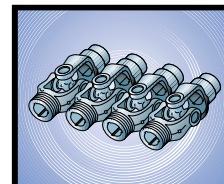
**Loctite® 8005
Belt dressing**
Recommended to prevent slippage and increase friction for all types of belts.
It extends belt life.



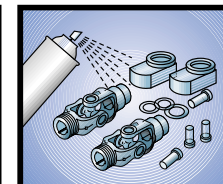
**Loctite® 7500
Rust treatment**
Converts existing rust into a stable base.
Cured product acts as a primer ready for painting.
Protect surfaces from corrosion.
Use on metal pipes, valves, fittings, storage tanks, fences, guard rails, conveyors, construction and agricultural equipment.



**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

Repair osmosis blisters and small holes

Fill and seal large gaps and cracks

Strong structural repair

Fit and repair panels and stiffeners

Solution

3022

3024

3025

3026

3028

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	96 to 4	97 to 3	1 to 1	96 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	150 g, 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

Two part Polyester paste.
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 directly to Loctite® 3026 Marine Epoxy. Seal the epoxy surface first, using a primer paint. Ideal for between-tides repairs to ferrocement and fibre-reinforced hulls, will also repair wood, steel, stainless steel, cast iron and aluminium components.



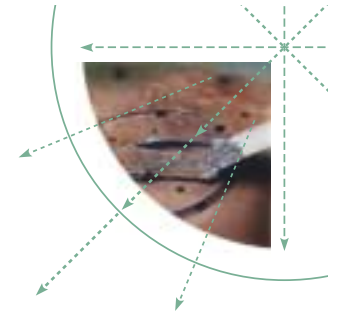
Loctite® 3028 Glass Fibre Resin Kit

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



Solution	Repair or rebuild damaged parts?			What material are you filling?			
	Mild steel			Aluminium			
	Pourable	Putty		Kneadable stick	Pourable	Putty	High performance chemical resistance
	3461	3460	3462	3463	3466	3465	3464
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.	5 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.

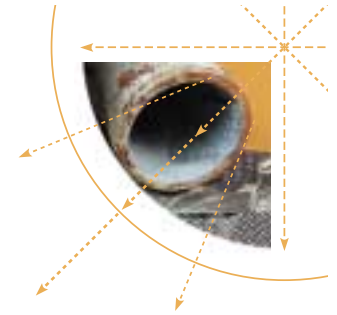


Loctite® 3464 Superior metal putty
Metal free filler with high compressive strength and chemical resistance.
Recommended for use on all metals.



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

Fine or coarse particle abrasion?

Coarse

Fine

Pneumatic abrasion

Thick layer

Thin film

High temperature
up to 230 °C

High impact

High temperature
up to 230 °C

High temperature
up to 205 °C

Solution

7230

7219

7229

7234

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 impact
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.

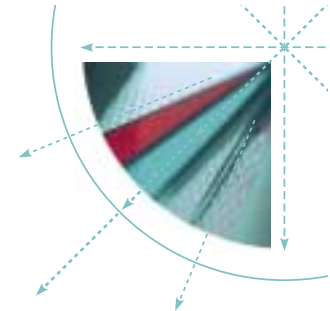


**Loctite® 7234
High temperature
brushable ceramic**
Smooth, wear, resistant, low friction coating to combat turbulence and cavitation on components such as pump housings and impellers.

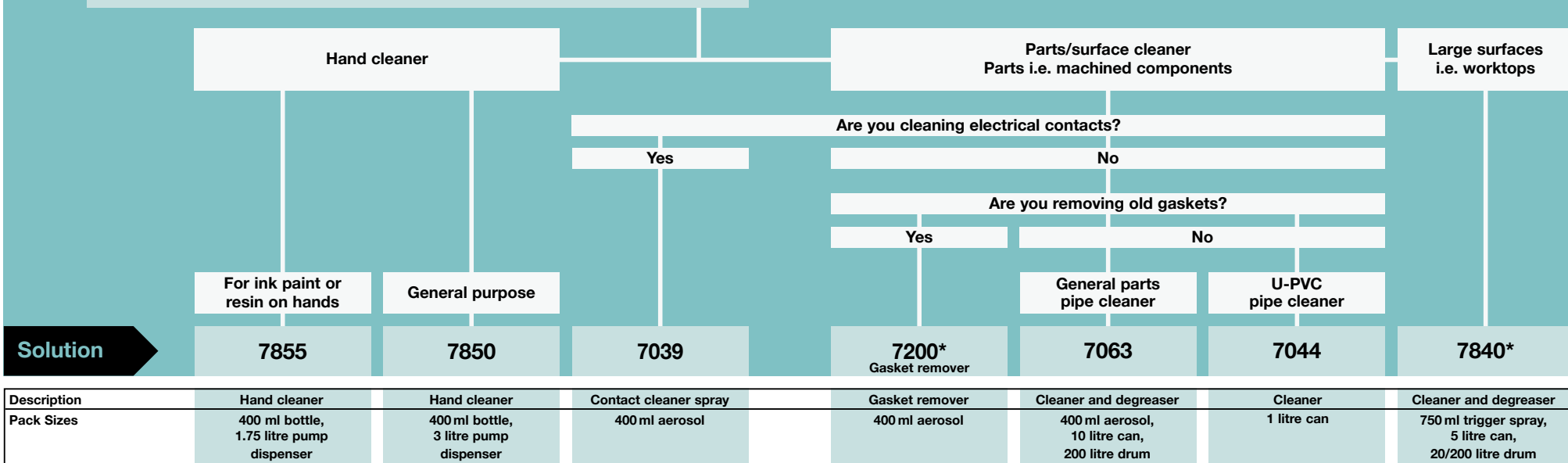


Cleaning

- 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?



* 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 USFA-C1.
Removes grease, oil, cutting fluids and workshop grime.



Surface Preparation – Activators and Primers

- Accelerate cure of Henkel Loctite products even at low temperatures
- Improve adhesion to non-wetting surfaces



Do you need an activator or primer?

Improve adhesion to specific surfaces

Improve adhesion to difficult-to-bond materials e.g. PE, PP, PTFE, Santoprene® or thermoplastic rubbers

Accelerate cure?
Large gap fill or
Temperature <5°C?

In combination with 5221, 5225, 5226

In combination with
401, 406, 431, 454, 480 or 4850

Increase
cure speed of
Instant Adhesives
such as, 401,
406, 431, 454
and 4850

In combination with
222, 243, 2701, 290,
510, 518, 5203, 5205, 5208,
542, 572, 577,
603, 638, 641, 648 or 660

Solution

7251

7252

7253

7239

7458

7240

Description	Primer	Primer	Primer	Primer	Activator	Activator
Colour	Black	Black	Colourless	Colourless	Colourless	Blue-green
Pack Sizes	25 ml, 200 ml	25 ml, 200 ml	25 ml, 200 ml	4 ml	18 g pump	90 ml pump

Application Examples



Primer Loctite® 7251
Bonding/sealing plastics,
painted materials and wood.



Primer Loctite® 7252
Bonding/sealing glass & glazed
materials.



Primer Loctite® 7253
Bonding/sealing bare metallic
surfaces.



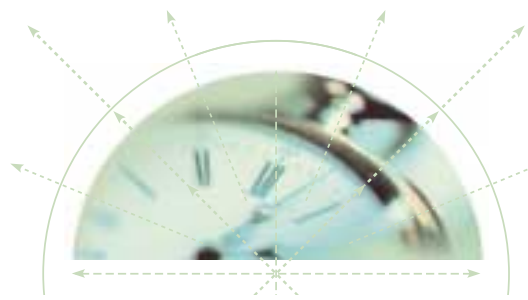
Loctite® 7239
Is a general purpose Primer,
suitable for use on all industrial
plastics, which will improve the
adhesion of Instant adhesives.



Loctite® 7458
Cures excess adhesive.
Minimizes post cure blooming
and optimizes bond strength.
Low-odour.
Recommended for any areas where
the speed of cure and aesthetics
requirements are critical to ensure
a neat and consistent bond-line.



Loctite® 7240
Is a solvent-free activator that
increases cure speed on passive
surfaces such as, stainless
steel, aluminium and plated or
passivated metals.





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

Solution

Gap/void filling
or pipe insulation

Replace or repair
O-ring seals

Fill holes, smooth
welds, repair non-
structural defects?

Detect gas leak?

Stop pipe leaks?

Fix damaged
belts, conveyors,
rubber parts?

5007

O-Ring Kit

3463

7100

5070

3902

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/oil 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, filed 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.



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.

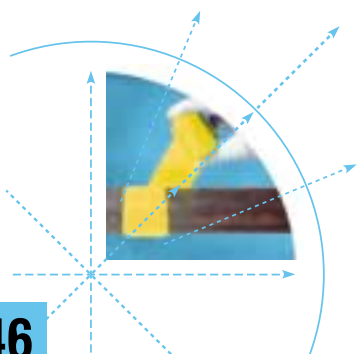
Remains flexible.

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 10 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®
Rapid Rubber Repair Gun**

Easy to use applicator for the Rapid Rubber Repair Kit.



**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 1000 W 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*	12x10 ml	0103114	11	4850	Flexible Instant Adhesive	20 g	0301380	19
222	Threadlocker, Low Strength*	50 ml	0103012	11	4850	Flexible Instant Adhesive	500 g	0301381	19
222	Threadlocker, Low Strength*	250 ml	0103013	11	5007	PU-Foam, white	600 ml	—	46
243	Threadlocker, Medium Strength*	12x10 ml	0103242	11	5062	Flexible Adhesive Sealant, Low Modulus, Black	310 ml	1606001	25
243	Threadlocker, Medium Strength*	50 ml	0103248	11	5063	Flexible Adhesive Sealant, Low Modulus, Grey	310 ml	1606002	25
243	Threadlocker, Medium Strength*	250 ml	0103244	11	5064	Flexible Adhesive Sealant, Low Modulus, White	310 ml	1606003	25
270	Threadlocker, High Strength*	12x10 ml	0103303	11	5065	Flexible Adhesive Sealant, Medium Modulus, Black	310 ml	1606004	25
270	Threadlocker, High Strength*	50 ml	0113032	11	5066	Flexible Adhesive Sealant, Medium Modulus, Grey	310 ml	1606005	25
270	Threadlocker, High Strength*	250 ml	0113033	11	5068	Flexible Adhesive Sealant, Medium Modulus, White	310 ml	1606007	25
2701	Threadlocker, High Strength	50 ml	0103310	11	5069	Flexible Adhesive Sealant, High Modulus, Black	310 ml	1606008	25
2701	Threadlocker, High Strength	250 ml	0103311	11	5070	Pipe Repair Kit	2"x6" Kit	1096701	47
290	Threadlocker, Wicking	12x10 ml	0103360	10	5070	Pipe Repair Kit	4"x12" Kit	1096702	47
290	Threadlocker, Wicking	50 ml	0103363	10	510	Flange Sealant, Rigid Parts*	50 ml	0502030	15
290	Threadlocker, Wicking	250 ml	0103364	10	510	Flange Sealant, Rigid Parts*	250 ml	0502050	15
302	UV Adhesive	250 ml	0702147	20	5145	Flexible Adhesive Sealant, Non corrosive	40 ml Kit	1705055	24
3020	Gaskets Adhesive	400 ml	0501061	14	5145	Flexible Adhesive Sealant, Non corrosive	300 ml	1705055	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	0501070	14
3025	please contact Henkel Loctite			37	5203	Flange Sealant, Low Strength	300 ml	0501053	14
3025	please contact Henkel Loctite			37	5205	Flange Sealant, Aluminium	50 ml	0501071	14
3026	please contact Henkel Loctite			37	5205	Flange Sealant, Aluminium	300 ml	0501090	14
3028	please contact Henkel Loctite			37	5208	Flange Sealant, Rigid Parts	50 ml	0501049	15
322	UV Adhesive	250 ml	0703604	21	5208	Flange Sealant, Rigid Parts	250 ml	0501058	15
330	MULTI-BOND® Kit*	50/40 ml	1701172	22	5226	Flexible Adhesive Sealant, Black	12x300 ml	—	25
330	Structural Adhesive, Toughened, non-mix*	315 ml	0120011	22	5221	Flexible Adhesive Sealant, Grey	12x300 ml	1601025	25
3421	Structural Adhesive, High gap fill	50 ml	1101072	23	5225	Flexible Adhesive Sealant, White	12x300 ml	—	25
3421	Structural Adhesive, High gap fill	200 ml	1101073	23	5331	Thread Sealant, Plastic*	100 ml	2303035	13
3421	Structural Adhesive, High gap fill	2x900 ml	1101074	23	5366	Flexible Adhesive Sealant, Clear	310 ml	2312031	24
3425	Structural Adhesive, Toughened	10x50 ml	1101081	23	5367	Flexible Adhesive Sealant, White	310 ml	2312032	24
3425	Structural Adhesive, Toughened	10x200 ml	1101082	23	5368	Flexible Adhesive Sealant, Black	310 ml	2312033	24
3425	Structural Adhesive, Toughened	2x900 ml	1101083	23	5398	Flexible Adhesive Sealant, High temperature, Red	310 ml	2312039	24
3430	Structural Adhesive, Fast cure	2x24 ml	1101038	23	5399	Flexible Adhesive Sealant, High temperature, Red	310 ml	2312034	25
3450	Metal Set	25 ml	1101009	23	542	Thread Sealant, Hydraulic	12x10 ml	0103373	13
3460	Steel Putty	1 kg	1095301	38	542	Thread Sealant, Hydraulic	50 ml	0113052	13
3461	Steel Liquid	1 kg	1095302	38	542	Thread Sealant, Hydraulic	250 ml	0113053	13
3462	Fast Set Steel Putty	1 kg	1095303	38	55	Pipe Sealing Cord*	150 m	0105500	12
3463	Metal Magic Steel™ Stick	114 g	1095304	39/47	5699	Flange Sealant, Big gaps/Glycol resistant*	10x99 g	2312022	15
3464	Superior Metal	1 kg	1095305	39	5699	Flange Sealant, Big gaps/Glycol resistant*	300 ml	2312025	15
3465	Aluminium Putty	1 kg	1095306	39	572	Pipe Sealant, Slow curing*	50 ml	0105042	13
3466	Aluminium Liquid	1 kg	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*	12x10 ml	0103586	17
401	Instant Adhesive, General Purpose*	10x3 g	0301021	19	603	Retainer, High Strength, oil tolerant*	50 ml	0103587	17
401	Instant Adhesive, General Purpose*	20 g	0301302	19	603	Retainer, High Strength, oil tolerant*	250 ml	0103584	17
401	Instant Adhesive, General Purpose*	50 g	0301303	19	638	Retainer, High Strength*	50 ml	0113082	17
401	Instant Adhesive, General Purpose*	500 g	0301305	19	638	Retainer, High Strength*	250 ml	0113083	17
406	Instant Adhesive, Elastomers	20 g	0301352	18	641	Retainer, Medium Strength	12x10 ml	0103063	17
406	Instant Adhesive, Elastomers	500 g	0301355	18	641	Retainer, Medium Strength	50 ml	0113072	17
4062	Instant Adhesive, Wicking	20 g	0301338	19	641	Retainer, Medium Strength	250 ml	0113073	17
4062	Instant Adhesive, Wicking	500 g	0301337	19	648	Retainer, High Temperature	50 ml	0103643	17
431	Instant Adhesive, General Purpose, High viscosity	20 g	0301336	19	648	Retainer, High Temperature	250 ml	0103644	17
431	Instant Adhesive, General Purpose, High viscosity	500 g	0301335	19	660	Retainer, Large gap repair*	12x50 ml	9804012	16
454	Instant Adhesive, General Purpose Gel*	10x10 ml	0301343	18	7039	Contact Cleaner Spray	12x400 ml	2105031	43
454	Instant Adhesive, General Purpose Gel*	20 g	0301342	18	7063	Small Parts Cleaner Aerosol	400 ml	9801680	43
454	Instant Adhesive, General Purpose Gel*	300 g	0301346	18	7063	Small Parts Cleaner Pump	400 ml	9801681	43
454	Instant Adhesive, General Purpose Gel*	300 g	0301339	18	7063	Small Parts Cleaner	10 lt	9801678	43
	(Collapsible Cartridge)				7100	Leak Detector Spray	400 ml	8515073	47
480	Instant Adhesive, Peel Resistant	20 g	0301380	18	7200	Gasket Remover	400 ml	8515084	43
480	Instant Adhesive, Peel Resistant	500 g	0301381	18	7219	High Impact Wearing Compound	1 kg	1098752	41



Product Ordering Information

■ Look for Henkel Loctite Product name
on these pages!



Pr.-No.	Product Name	Pack-Size	Order-No.	Page	Product Name	Pr.-No.	Pack-Size	Order-No.	Page
7229	High Temperature Pneu Wear	10 kg	1098757	41	Activator, Anaerobics	7240	90 ml	0901949	45
7230	High Temperature Wearing Compound	10 kg	1098758	40	Activator, pump	7458	18 g	904021	45
7234	High Temperature Brushable Ceramic Grey	1 kg	1098756	41	Aluminium Liquid	3466	1 kg	1095307	39
7239	Plastics Primer, CA (all plastics)	4 ml	0901948	45	Aluminium Putty	3465	1 kg	1095306	39
7240	Activator, Anaerobics	90 ml	0901949	45	Aluminium Spray	7801	12x400 ml	2105033	35
7251	PU Primer, Plastics, Painted Metal	10x25 ml	1601012	44	Anti-seize Lubricant, Aerosol	8007	400 ml	1051701	30
7251	PU Primer, Plastics, Painted Metal	10x200 ml	1601013	44	Anti-seize Lubricant, Brush Top	8008	500 g	1051702	30
7252	PU Primer, Glass	10x25 ml	1601014	44	Belt Dressing	8005	400 ml	1051700	34
7253	PU Primer, Unpainted Metal	10x25 ml	1601016	44	Contact Cleaner Spray	7039	12x400 ml	2105031	43
7253	PU Primer, Unpainted Metal	10x200 ml	1601017	44	Digital Syringe Dispenser System	97006	eq	3097006	48
7458	Activator, pump	18 g	0904021	45	Fast Set Steel Putty	3462	1 kg	1095303	38
7500	Rust Treatment Coating	1 lt	8781012	34	Five Way Spray	8201	12x400 ml	2105060	27
7800	Zinc Spray, Shiny	12x400 ml	2105032	35	Flange Sealant, Aluminium	5205	50 ml	501071	14
7801	Aluminium Spray	12x400 ml	2105033	35	Flange Sealant, Aluminium	5205	300 ml	501090	14
7802	Varnish Spray Coating	12x400 ml	2105034	35	Flange Sealant, Big gaps/Flexible	5910	300 ml	2312028	15
7803	Metal Protection Spray Coating	12x400 ml	2105035	35	Flange Sealant, Big gaps/Glycol resistant*	5699	10x99 g	2312022	15
7840	Large Parts Cleaner (water based)	200 lt	8009018	43	Flange Sealant, Big gaps/Glycol resistant*	5699	300 ml	2312025	15
7840	Large Parts Cleaner (water based)	12x750 ml	8009015	43	Flange Sealant, Low Strength	5203	50 ml	501070	14
7840	Large Parts Cleaner (water based)	20 lt	8009017	43	Flange Sealant, Low Strength	5203	300 ml	501053	14
7840	Large Parts Cleaner (water based)	4x5 lt	8009016	43	Flange Sealant, Rigid Parts	5208	50 ml	501049	15
7850	Hand Cleaner	4x3 lt	8002012	42	Flange Sealant, Rigid Parts	5208	250 ml	501058	15
7850	Hand Cleaner	12x400 ml	8002011	42	Flange Sealant, Rigid Parts*	510	50 ml	502030	15
7850	Hand Cleaner	2x10 lt	8002010	42	Flange Sealant, Rigid Parts*	510	250 ml	502050	15
7855	Hand Cleaner, Paint, Resin	12x400 ml	8008005	42	Flange Sealant, Rigid Parts*	518	65 ml	501062	13
7855	Hand Cleaner, Paint, Resin	1.75 lt	8008007	42	Flange Sealant, Rigid Parts*	518	300 ml	501064	13
8005	Belt Dressing	400 ml	1051700	34	Flexible Adhesive Sealant, Black	5226	12x300 ml	-	25
8007	Anti-seize Lubricant, Aerosol	400 ml	1051701	30	Flexible Adhesive Sealant, Black	5368	310 ml	2312033	24
8008	Anti-seize Lubricant, Brush Top	500 g	1051702	30	Flexible Adhesive Sealant, Clear	5366	310 ml	2312031	24
8009	Heavy Duty Anti-seize	500 g	1051703	31	Flexible Adhesive Sealant, Grey	5221	12x300 ml	1601025	25
8013	N-7000 High Purity Anti-seize	500 g	1051705	31	Flexible Adhesive Sealant, High Modulus, Black	5069	310 ml	1606008	25
8014	Food Grade Anti-seize*	250 g	1051706	30	Flexible Adhesive Sealant, High temperature, Red	5398	310 ml	2312039	24
8015	Food Grade Grease	12x400 ml	2105061	28	Flexible Adhesive Sealant, High temperature, Red	5399	310 ml	2312034	25
8016	MoS ₂ Dry Film Anti Friction Coating	340 g	1051708	33	Flexible Adhesive Sealant, Low Modulus, Black	5062	310 ml	1606001	25
8017	MoS ₂ Dry Film Anti Friction Coating	500 g	1051709	33	Flexible Adhesive Sealant, Low Modulus, Grey	5063	310 ml	1606002	25
8018	Solve Rust	12x400 ml	2105064	27	Flexible Adhesive Sealant, Low Modulus, White	5064	310 ml	1606003	25
8021	Food Grade Silicone Oil	12x400 ml	2105038	27	Flexible Adhesive Sealant, Medium Modulus, Black	5065	310ml	1606004	25
8104	Food Grade Silicone Grease*	6x1 lt	2105047	28	Flexible Adhesive Sealant, Medium Modulus, Grey	5066	310ml	1606005	25
8201	Five Way Spray	12x400 ml	2105060	27	Flexible Adhesive Sealant, Medium Modulus, White	5068	310ml	1606007	25
96003	Mix Pac DM 200-01 Epoxy twin syringe dispenser		3096003	48	Flexible Adhesive Sealant, Non corrosive	5145	40 ml Kit	1705055	24
97001	Hand-held dispenser	eq	3097001	48	Flexible Adhesive Sealant, Non corrosive	5145	300 ml	1705055	24
97002	Hand-held dispenser (pneumatic)	eq	3097002	48	Flexible Adhesive Sealant, White	5225	12x300 ml	-	25
97006	Digital Syringe Dispenser System	eq	3097006	48	Flexible Adhesive Sealant, White	5367	310 ml	2312032	24
97008	Semi-automatic Controller	2 lt	3097008	48	Flexible Instant Adhesive	4850	20 g	301380	19
97009	Semi-automatic Controller	2 lt	3097009	48	Flexible Instant Adhesive	4850	500 g	301381	19
97033	UV Wand System	eq	3097033	48	Food Grade Anti-seize*	8014	250 g	1051706	30
97035	UVALOC Flood System	eq	3097035	48	Food Grade Grease	8015	12x400 ml	2105061	28
97121	Pinch-valve Applicator	eq	3097121	48	Food Grade Silicone Grease*	8104	6x1 lt	2105047	28
97262	Needle Selection Pack	Kit	3097262	48	Food Grade Silicone Oil	8021	12x400 ml	2105038	27
	Mini Twin syringe dispenser		2021025	48	Gasket Remover	7200	400 ml	8515084	43
	O-Ring Kit	Kit	1910252	47	Gaskets Adhesive	3020	400 ml	501061	14
	Rapid rubber repair gun	eq	1096715	48	Hand Cleaner	7850	4x3 lt	8002012	42
					Hand Cleaner	7850	12x400 ml	8002011	42
					Hand Cleaner	7850	2x10 lt	8002010	42
					Hand Cleaner, Paint, Resin	7855	12x400 ml	8008005	42
					Hand Cleaner, Paint, Resin	7855	1.75 lt	8008007	42
					Hand-held dispenser	97001	eq	3097001	48
					Hand-held dispenser (pneumatic)	97002	eq	3097002	48
					Heavy Duty Anti-seize	8009	500 g	1051703	31
					High Impact Wearing Compound	7219	1 kg	1098752	41
					High Temperature Brushable Ceramic Grey	7234	1 kg	1098756	41
					High Temperature Pneu Wear	7229	10 kg	1098757	41
					High Temperature Wearing Compound	7230	10 kg	1098758	40

Product Name	Pr.-No.	Pack-Size	Order-No.	Page	Product Name	Pr.-No.	Pack-Size	Order-No.	Page
Instant Adhesive, Elastomers	406	20 g	301352	18	Semi-automatic Controller	97008	2 lt	3097008	48
Instant Adhesive, Elastomers	406	500 g	301355	18	Semi-automatic Controller	97009	2 lt	3097009	48
Instant Adhesive, General Purpose Gel*	454	10x10 ml	301343	18	Small Parts Cleaner	7063	10 lt	9801678	43
Instant Adhesive, General Purpose Gel*	454	20 g	301342	18	Small Parts Cleaner Aerosol	7063	400 ml	9801680	43
Instant Adhesive, General Purpose Gel*	454	300 g	301346	18	Small Parts Cleaner Pump	7063	400 ml	9801681	43
Instant Adhesive, General Purpose Gel* (Collapsible Cartridge)	454	300 g	301339	18	Solve Rust	8018	12x400 ml	2105064	27
Instant Adhesive, General Purpose*	401	10x3 g	301021	19	Steel Liquid	3461	1 kg	1095302	38
Instant Adhesive, General Purpose*	401	20 g	301302	19	Steel Putty	3460	1 kg	1095301	38
Instant Adhesive, General Purpose*	401	50 g	301303	19	Structural Adhesive, Fast cure	3430	2x24 ml	1101038	23
Instant Adhesive, General Purpose*	401	500 g	301305	19	Structural Adhesive, High gap fill	3421	50 ml	1101072	23
Instant Adhesive, General Purpose, High viscosity	431	20 g	301336	19	Structural Adhesive, High gap fill	3421	200 ml	1101073	23
Instant Adhesive, General Purpose, High viscosity	431	500 g	301335	19	Structural Adhesive, High gap fill	3421	2x900 ml	1101074	23
Instant Adhesive, Peel Resistant	480	20 g	301380	18	Structural Adhesive, Toughened	3425	10x50 ml	1101081	23
Instant Adhesive, Peel Resistant	480	500 g	301381	18	Structural Adhesive, Toughened	3425	10x200 ml	1101082	23
Instant Adhesive, Wicking	4062	20 g	301338	19	Structural Adhesive, Toughened	3425	2x900 ml	1101083	23
Instant Adhesive, Wicking	4062	500 g	301337	19	Structural Adhesive, Toughened, non-mix*	330	315 ml	120011	22
Large Parts Cleaner (water based)	7840	200 lt	8009018	43	Superior Metal	3464	1 kg	1095305	39
Large Parts Cleaner (water based)	7840	12x750 ml	8009015	43	Thread Sealant, Hydraulic	542	12x10 ml	103373	13
Large Parts Cleaner (water based)	7840	20 lt	8009017	43	Thread Sealant, Hydraulic	542	50 ml	113052	13
Large Parts Cleaner (water based)	7840	4x5 lt	8009016	43	Thread Sealant, Hydraulic	542	250 ml	113053	13
Leak Detector Spray	7100	400 ml	8515073	47	Thread Sealant, Plastic*	5331	100 ml	2303035	13
Metal Magic Steel™ Stick	3463	114 g	1095304	39/47	Threadlocker, High Strength	2701	50 ml	103310	11
Metal Protection Spray Coating	7803	12x400 ml	2105035	35	Threadlocker, High Strength	2701	250 ml	103311	11
Metal Set	3450	25 ml	1101009	23	Threadlocker, High Strength*	270	12x10 ml	103303	11
Mini Twin syringe dispenser			2021025	48	Threadlocker, High Strength*	270	50 ml	113032	11
Mix Pac DM 200-01 Epoxy twin syringe dispenser	96003		3096003	48	Threadlocker, High Strength*	270	250 ml	113033	11
MoS ₂ Dry Film Anti Friction Coating	8016	340 g	1051708	33	Threadlocker, Low Strength*	222	50 ml	103012	11
MoS ₂ Dry Film Anti Friction Coating	8017	500 g	1051709	33	Threadlocker, Low Strength*	222	250 ml	103013	11
MULTI-BOND® Kit*	330	50/40 ml	1701172	22	Threadlocker, Low Strength*	222	12x10 ml	103114	11
N-7000 High Purity Anti-seize	8013	500 g	1051705	31	Threadlocker, Medium Strength*	243	12x10 ml	103242	11
Needle Selection Pack	97262	Kit	3097262	48	Threadlocker, Medium Strength*	243	50 ml	103248	11
O-Ring Kit		Kit	1910252	47	Threadlocker, Medium Strength*	243	250 ml	103244	11
Pinch-valve Applicator	97121	eq	3097121	48	Threadlocker, Wicking	290	12x10 ml	103360	10
Pipe Repair Kit	5070	2"x6" Kit	1096701	47	Threadlocker, Wicking	290	50 ml	103363	10
Pipe Repair Kit	5070	4"x12" Kit	1096702	47	Threadlocker, Wicking	290	250 ml	103364	10
Pipe Sealant, Slow curing*	572	50 ml	105042	13	UV Adhesive	322	250 ml	703604	21
Pipe Sealant, Slow curing*	572	250 ml	105043	13	UV Adhesive	350	50 ml	701023	21
Pipe Sealing Cord*	55	150 m	105500	12	UV Adhesive	350	250 ml	701024	21
Plastics Primer, CA (all plastics)	7239	4 ml	0901948	45	UV Adhesive	352	250 ml	701104	21
PU Primer, Glass	7252	10x25 ml	1601014	44	UV Adhesive	302	250 ml	702147	20
PU Primer, Plastics, Painted Metal	7251	10x25 ml	1601012	44	UV Wand System	97033	eq	3097033	48
PU Primer, Plastics, Painted Metal	7251	10x200 ml	1601013	44	UVALOC Flood System	97035	eq	3097035	48
PU Primer, Unpainted Metal	7253	10x25 ml	1601016	44	Varnish Spray Coating	7802	12x400 ml	2105034	35
PU Primer, Unpainted Metal	7253	10x200 ml	1601017	44	Zinc Spray, Shiny	7800	12x400 ml	2105032	35
PU-Foam, white	5007	600 ml	-	46	please contact Henkel Loctite	3022			36
Rapid rubber repair gun		eq	1096715	48	please contact Henkel Loctite	3022			36
Rapid Rubber Repair Kit	3902	Kit	1096715	47	please contact Henkel Loctite	3024			36
Retainer, High Strength*	638	50 ml	113082	17	please contact Henkel Loctite	3025			37
Retainer, High Strength*	638	250 ml	113083	17	please contact Henkel Loctite	3025			37
Retainer, High Strength, oil tolerant*	603	12x10 ml	103586	17	please contact Henkel Loctite	3026			37
Retainer, High Strength, oil tolerant*	603	50 ml	103587	17	please contact Henkel Loctite	3028			37
Retainer, High Strength, oil tolerant*	603	250 ml	103584	17					
Retainer, High Temperature	648	50 ml	103643	17					
Retainer, High Temperature	648	250 ml	103644	17					
Retainer, Large gap repair*	660	12x50 ml	9804012	16					
Retainer, Medium Strength	641	12x10 ml	103063	17					
Retainer, Medium Strength	641	50 ml	113072	17					
Retainer, Medium Strength	641	250 ml	113073	17					
Rust Treatment Coating	7500	1 lt	8781012	34					
Sealant, General Purpose Pipe*	577	50 ml	113091	13					
Sealant, General Purpose Pipe*	577	250 ml	113093	13					