

LOCTITE®

INDUSTRIAL ADHESIVE & SEALANT SOLUTIONS

Volume 17

Henkel

YOUR TOTAL SOLUTION PROVIDER

At Henkel, we provide more than just adhesives, sealants, lubricants and functional coatings to the general industrial marketplace. We partner with our valued customers to understand their needs and to help develop and deliver innovative engineered solutions to the industry's biggest challenges.

From the design, development and testing stage through the implementation, training and support phase, Henkel is there to provide priceless world-class expertise, service and support to our customers on a global scale.

Our formulating chemists and engineers have developed innovative product solutions that save weight, time, energy, scrap, failures, and process complexity to help you compete in today's challenging manufacturing environment. If our product does not solve the problem then we will partner with our customer to develop and formulate a product solution that will.

LOCTITE

High performance engineering adhesives and sealants

BONDERITE

Innovative pretreatment technology to improve your production process





















TEROSON

Advanced flexible bonding and sealing solutions

This is why Henkel's complete line of high performance adhesives, sealants and lubricants has been a trusted brand of choice. Taking a step beyond technology solutions we go even deeper to the specific maintenance and repair task of the industrial component. Whether it be static or rotating equipment, you will find the Fight product solution to maintain your devices time and cost efficiency and to noticeably increase the reliability of your industrial plant.

INDUSTRIAL ADHESIVE & SEALANT SOLUTIONS



					
Thread locking	LOCTITE® 222	LOCTITE® 243	LOCTITE® 290	LOCTITE® 2701	LOCTITE® 2422
Size of Thread	Up to M6	Up to M20	Up to M36	Up to M6	up to M20
Service Temperature Range	-55 to +150°C	-55 to +180°C	-55 to +150°C	-55 to +150°C	-55 to 345 C
	<ul style="list-style-type: none"> Low-strength threadlocker that allows the adjustment of screws including countersunk head screws and set screws. Suitable for all metal threaded assemblies. Especially suited to small thread sizes. P1 NSF Reg. No. : 123002 	<ul style="list-style-type: none"> General purpose threadlocker of medium bond strength. Works on all metals, including passive substrates. Tolerates slight contaminations of industrial oils. P1 NSF Reg. No. : 123000 	<ul style="list-style-type: none"> Liquid medium/high-strength thread locker. Because of its low viscosity and capillary action, the product wicks between engaged threads and eliminates the need for disassembly prior to application. Requires heat for disassembly. 	<ul style="list-style-type: none"> Designed for the permanent locking and sealing of threaded fasteners. Particularly suited for use on inactive substrates and/or where maximum resistance to hot oil is required. 	<ul style="list-style-type: none"> Ultra high temperature, medium strength. Designed for locking and sealing threaded fasteners requiring normal disassembly with standard hand tools. It is particularly suitable for applications on less active substrates such as stainless steel and plated surfaces.
IDH No.	195742 (50 ML)	1677003 (50 ML)	142568 (50 ML)	135281 (50 ML)	1134601 (30 GR)
Thread Sealing					
	LOCTITE® 55	LOCTITE® 542	LOCTITE® 567	LOCTITE® 577	LOCTITE® 5770
Maximum Pipe Size	4"	3/4"	3"	3"	3"
Service Temperature Range	-55 to +149°C	-55 to +150°C	-55 to +204°C	-55 to +150°C	-55 to 280 C
	<ul style="list-style-type: none"> Designed for the locking and sealing of metal and plastic pipes and fittings. It needs no cure time and results in an immediate, full pressure seal. Approval for gas and potable water and its certified to NSF/ANSI, Standard 61 	<ul style="list-style-type: none"> Ideal for fine threads as used in hydraulic, pneumatic & general fittings. Suitable for metal threads only. DVGW approval. (EN 751-1): NG-5146AR0855 	<ul style="list-style-type: none"> Suitable for metal, low strength, coarse threads threadsealant. High temperature thread sealant containing PTFE. UL Listed. 	<ul style="list-style-type: none"> Medium strength, general purpose thread sealant. For overhead applications and fast application at low temperatures. Slow curing. P, NSF Reg. No.: 123001 DVGW Approval (EN 751-1): NG-5146AR0621 WRAS Approval (BS 6920): 0711506 	<ul style="list-style-type: none"> Designed for locking and sealing metal threaded pipes and fittings in industrial applications. Used where high temperature and high pressure resistance is required.
IDH No.	270153 (150 ML)	234422 (50 ML)	135491 (50 ML)	1680618 (50 ML)	1138284 (50 ML)
Retaining Compounds					
	LOCTITE® 603	LOCTITE® 620	LOCTITE® 638	LOCTITE® 641	LOCTITE® 660
Diametrical Clearance	Up to 0.1 mm	Up to 0.2 mm	Up to 0.25 mm	Up to 0.1 mm	Up to 0.5 mm
Service Temperature Range	-55 to +150°C	-55 to +230°C	-50 to +180°C	-55 to +180°C	-55 to +150°C
	<ul style="list-style-type: none"> High strength retaining compound. Ideal for bearings. For use on close-fitting cylindrical parts. High oil tolerance. It has P1 NSF, WRAS approvals. 	<ul style="list-style-type: none"> High strength, high temperature retaining compound. High temperature resistance. DVGW approval (EN 751-1): NG-5146AR0622 	<ul style="list-style-type: none"> High strength retaining compound. General purpose. Fast curing. Ideal for shafts, gears, pulleys and similar cylindrical parts. P1 NSF Reg. No.: 123010 DVGW Approval (EN 751-1): NG-5146AR0619 WRAS Approval (BS 6920): 0511518 	<ul style="list-style-type: none"> Medium strength retaining compound. Ideal for parts that need subsequent dismantling. 	<ul style="list-style-type: none"> High strength retaining compound. Gap filling. For repair of worn-out seats, keys, splines, bearings or tapers without remachining. P1 NSF Reg. No.: 123704
IDH No.	142442 (50 ML)	195757 (50 ML)	1803363 (50 ML)	234863 (50 ML)	267328 (50 ML)
Gasketing Products					
	LOCTITE® GASKET MAKER	LOCTITE® 510	LOCTITE® 574	LOCTITE® SI 5699	LOCTITE® 518 Pen
FlangType	Flexible	Rigid	Rigid	Flexible	Flexible
Service Temperature Range	Up to + 250°C	-55 to +200°C	-55 to +150°C	-55 to +200°C	-55 to +315°C
	<ul style="list-style-type: none"> Resists aging weather and thermal cycling. Fills gaps up to 6mm. 	<ul style="list-style-type: none"> High temperature gasketing product. Chemical resistance. Ideal for use on rigid flanges. P1 NSF Reg. No.: 123007 	<ul style="list-style-type: none"> General purpose gasketing product. Ideal for use on machined and rigid metal flanges. Excellent water and glycol resistance. 	<ul style="list-style-type: none"> Flexible silicon sealant. Tack-free after 10 min. Water-glycol resistance. Ideal for use on flexible flanges, machined or cast surfaces, metal or plastic. P1 NSF Reg No.: 122998 	<ul style="list-style-type: none"> Leak-fighting flange sealant with an easy to apply roll-on applicator Fill gaps and voids to prevent leaks Reduce inventory— one package for any size or shape gasket needed *Prevent corrosion for easy disassembly
IDH No.	135504 (70 ML) 135507 (80 ML) 193996 (80 ML)	142608 (50 ML)	234534 (50 ML)	135275 (70 ML)	2415830 (25 ML)

Instant Bonding	LOCTITE® 401	LOCTITE® 406	LOCTITE® 454	LOCTITE® 496	LOCTITE® 480
Fixture Time	3-10 Sec.	2-10 Sec.	5-10 Sec.	5-20 Sec.	20 sec
Service Temperature Range	-40 to +120°C	40 to +120°C	40 to +120°C	40 to +80°C	-65 to 82°C
IDH No.	195758 (20 GR) 1211229 (3 GR)	195759 (20 GR)	195678 (20 GR)	488249 (20 GR)	135250

Structural Bonding	LOCTITE® AA 330/7386	LOCTITE® HY 4070	LOCTITE® HY 4080	LOCTITE® HY 4060	LOCTITE® MS 939
Strength (Shear/Tensile)	15-30 N/mm2	14.6 N/mm2	11.3 N/mm2	7.1 N/mm2	2.7N/mm2
Service Temperature Range	-55 to +121°C	120°C	-40 C to 150°C	-40 C to 150°C	-40 to +100°C
IDH No.	195777 (so ML/18 ML)	2237457 (11 GR) ready to use pack	2155337	2210487	100145 (570 ML)

Metal-filled compounds	LOCTITE® EA 3473	LOCTITE® EA 3463	LOCTITE® EA 3476	LOCTITE® EA 3471	LOCTITE® EA 3472
Compressive Strength	(60 N/mm²)	50 N/mm²	69 N/mm²	69 N/mm²	67M/mm²
Service Temperature Range	-30 to +95°C	-30 to +121°C	-30 to +105°C	-20 to +120°C	-30 to +110°C
IDH No.	229174 (1 LB)	265628 (114 GR)	235613 (1 LB)	229176 (500 GR)	229175 (500 GR)

Metal-filled compounds	LOCTITE® EA 3478	LOCTITE® EA 3488	LOCTITE® EA 3475	LOCTITE® EA 3479	LOCTITE® PC 7222
Compressive Strength	68 N/mm²	58 N/mm²	70 N/mm²	90 N/mm²	72 N/mm²
Service Temperature Range	-30 to +120°C	-30 to +150°C	-20 to +120°C	-20 to +190°C	-30°C to +105°C
IDH No.	209822 (1 LB)	2155220 (455 GR)	229173 (500 GR)	195826 (500 GR)	235626 (1 LB)

Protective Coatings & Compounds	LOCTITE® PC 7227/7228	LOCTITE® PC 7234	LOCTITE® PC 7226	LOCTITE® PC 7339	LOCTITE® PC 7255
Coverage (M2/Pack Size)	1.1/0.5 mm thickness	1.1/0.5 mm thickness	0.8/6 mm thickness	0.8/6 mm thickness	2.7/0.25 mm thickness
Service Temp. Range Dry	-29 to +93°C	-29 to +205°C	30 to +120°C	-29 to +288°C	-30 to +95°C
IDH No.	209826 (2 LB) 209668 (2 LB)	235601 (2 LB)	209824 (3 LB)	235597 (25 LB)	1161707 (900 ML)

Protective Coatings & Compounds	LOCTITE® PC 7218	LOCTITE® PC 9340	LOCTITE® PC 7227 BL	LOCTITE® POLYPOXY PS	LOCTITE® PC 7319
Coverage (M2/Pack Size)	0.8/6 mm thickness	0.5/6 mm thickness	0.8/6 mm thickness	2.0 m2/lt for 500 microns DFT	6.8/0.5 mm thickness
Service Temp. Range Dry	-30 to +120°C	-30 to +210°C	-29 °C to 93 °C	+5 to +70°C	-30 to +120°C
IDH No.	458216 (10 KG)	1710655 (5 KG)	2015126 (1 KG)	1480135 (20 L kit)	209816 (11 LB)

Concrete Repair/Grouting/Flexible Repair	LOCTITE® PC 9410	LOCTITE® PC 9416	LOCTITE® PC 7202	LOCTITE® PC 7350	LOCTITE® PC 9020i
Working Time	3-10 min.	40 min.	10-15 min.	10 min.	25 min
Service Temperature Range	-50°C to +1100°C	-30 to +110°C	Up to +121°C	-30 to +110°C	-30 to +105
IDH No.	235572 (GAL)	235632 (10 LB)	1005903 (3.5 KG)	2073202 (400 ML) 2084201 (800ml kit)	2366697 & 2366698

Lubricants	LOCTITE® LB 8008 C5-A	LOCTITE® LB 8009	LOCTITE® LB 8023	LOCTITE® LB 771	LOCTITE® LB 8014
Solid Lubricating Agent	Copper & graphite	Graphite & Calcium Fluoride	Graphite & calcium, boron nitride	Nickel & graphite	White oil & EP additives
Service Temperature Range	-30 to +980°C	-30 to +1,315°C	-30 to +1,315°C	-30 to +1,315°C	-30 to +400°C
IDH No.	160796 (1 LB) (400 ML)	209758 (1 LB)	275026 (1 LB)	234248 (1 LB)	1169241 (2 LB)

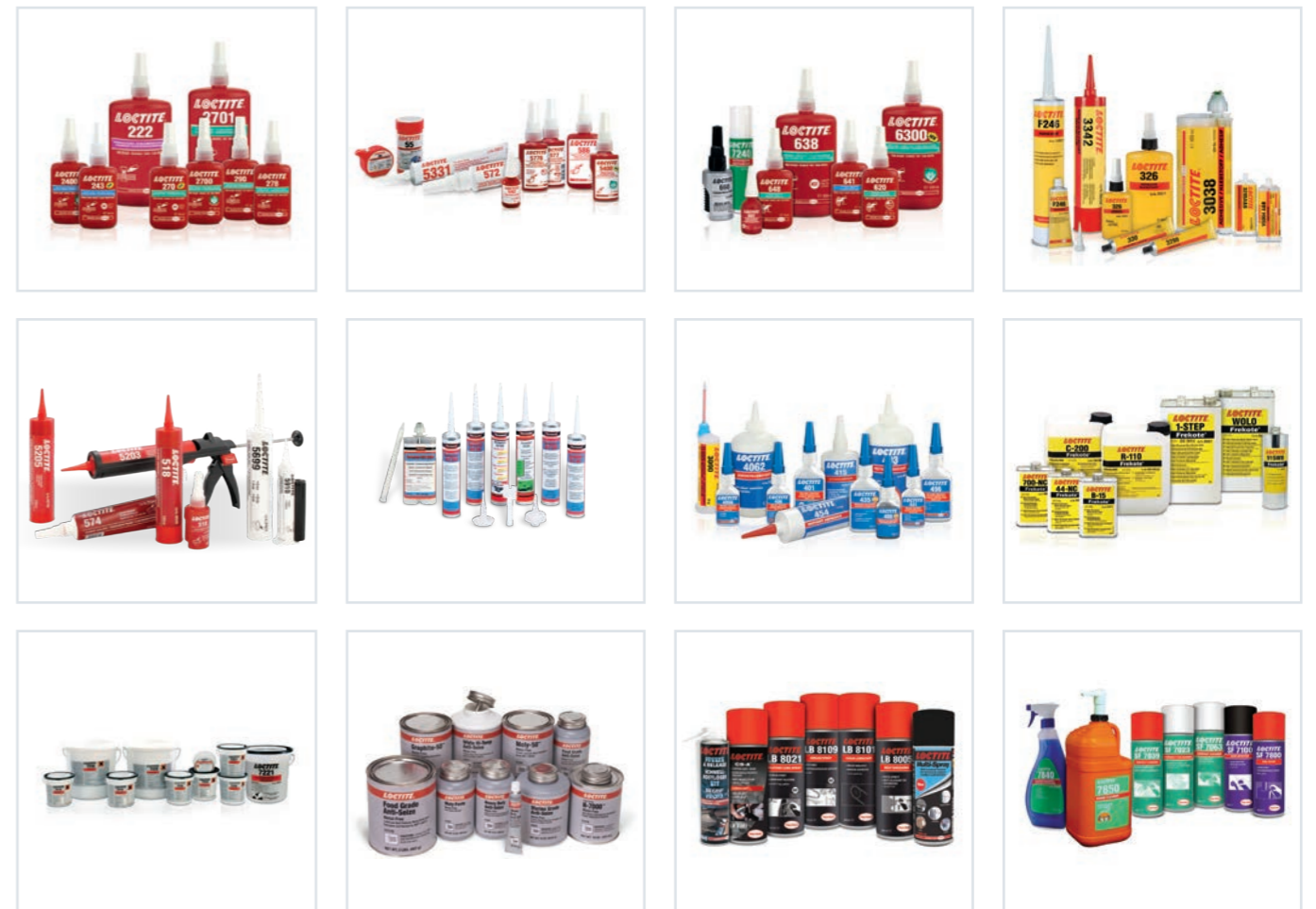
INDUSTRIAL ADHESIVE & SEALANT SOLUTIONS

					
Lubricants	LOCTITE® LB 8101	LOCTITE® LB 8191	LOCTITE® LB 8104	LOCTITE® LB 8201	LOCTITE® LB 8021
Base Temperature	Mineral oil, EP -30 to +170°C	Molybdenum Disulfide In Resin -40 to +340°C	Aluminum Complex -29 to +232°C	Mineral oil -20 to +232°C	Silicone oil -30 to +150°C
Description	<ul style="list-style-type: none"> Anti-filing properties. Water resistance. Used to lubricate chains, open gears, worm screws & cables. Resist centrifugal force on high speed. 	<ul style="list-style-type: none"> Dry film lubricant. Fast drying Enhances the performance of oils and greases. 	<ul style="list-style-type: none"> Lubrication - Greases, Plastic part application. Lubricates most plastic... and elastomeric components. H1 NSF Reg. No.: 122981 	<ul style="list-style-type: none"> Universal penetrating liquid which frees, lubricates, cleans, dries and prevents corrosion on all machinery. It is used to free seized or corroded parts such as threaded fasteners, hinges and cylindrical joints. 	<ul style="list-style-type: none"> General purpose lubricant for metal & non-metal surfaces. Used as a release agent in moulds. H1 NSF approved.
IDH No.	1727644 (400 ML)	142532 (400 ML)	1652339 (75 ML)	1551751 (400 ML)	1727641 (400 ML)
Surface Preparation					
Description	Activator		Rust Converter	Corrosion Inhibitor	Corrosion Protection
Application Method	Pre-applied		Pre - applied	Pre - applied	Post-applied
Description	<ul style="list-style-type: none"> Activator. Solvent-based. Designed to promote the curing speed of LOCTITE anaerobic adhesives and sealants without any significant loss of joint strength. Recommended for passive substrates. 	<ul style="list-style-type: none"> Used to make polyolefin and other low energy surfaces suitable for bonding with LOCTITE cyanoacrylate adhesives. It is recommended for difficult to bond substrates which include polyethylene, polypropylene, polytetrafluoroethylene (PTFE) and thermoplastic rubber materials. 	<ul style="list-style-type: none"> Fast drying, latex coating that is applied to rusted metal to stop rust protect the surface and act as a primer for the finish coat Available also in aerosol form TEROSON VR 625 	<ul style="list-style-type: none"> Water-based corrosion protecting surface treatment for metals (aluminium, zinc, zinc alloy and cold rolled steel surfaces). It can also be used on blasted metal surfaces to prevent flash rust prior to coating and to improve corrosion resistance of final coated metal. 	<ul style="list-style-type: none"> Provides a corrosion protective coating at room temperature on ferrous metals. Typical applications include touching up metal parts after welding and to provide long-term protection of metal assemblies. It is also used to restore protection to repaired galvanized parts. Typically used in applications with an operating range of -50 < to +550 <.
IDH No.	142479 (150 ML)	142624 (10 GR)	88094 (1 LB)	1444156 (5 LT)	1727545 (40 ML)
Parts & Hand Cleaning					
Description	<ul style="list-style-type: none"> General purpose. For use prior to bonding and sealing applications. Leaves no residue. 	<ul style="list-style-type: none"> Parts Cleaner - spray. Ideal for cleaning electrical contacts exposed to moisture or other contaminants. 	<ul style="list-style-type: none"> Gasket remover. Designed to remove cured chemical gaskets by softening the material on the flanges. 	<ul style="list-style-type: none"> General purpose. Biodegradable cleaner and degreaser. Can be diluted with water. Typical applications for this product include engines, motors, castings, valves, bearings, tanks, machinery, windows, carpets, and concrete floors. The product can remove grease, lubricants, cutting oils, fuel oils, tar, road salt, light carbon, food stains, wax, animal fat, mildew, and soot. 	<ul style="list-style-type: none"> Natural hand cleaner containing no petroleum solvents. It cleans hands with a solvent extracted from oranges.
IDH No.	1763780 (400 ML)	1727806 (400 ML)	235323 (400 ML)	1427775 (20 L)	1658169 (400 ML)
Emergency Repair/Dispensing Equipment					
Description	<ul style="list-style-type: none"> Makes custom a-rings on the spot. Eliminates the need to disassemble parts and components. Includes adhesive waterproofing solution, cleanup solvent, cutting blade, splicing fixture and 12 ft. 	<ul style="list-style-type: none"> Urethane impregnated fiberglass tape, activated by water, for reliable, temporary repairs of metal, plastic, and composite pipes. Includes LOCTITE® Metal Magic Steel™ epoxy stick, urethane impregnated fiberglass tape, and gloves. 	<ul style="list-style-type: none"> Non-sticky, self fusing multipurpose insulating and sealing wrap withstanding extreme conditions. Stretches 3-times its length. 	<ul style="list-style-type: none"> LOCTITE® Dispensing guns for 300ml/310ml cartridges & some syringes. 	<ul style="list-style-type: none"> The "original" LOCTITE kit containing eight of the most common LOCTITE products.
IDH No.	142407 (1 SET)	209818 (2X6 Cons)	1460869 (4.27 M)	267452 (1 PC) 1093940 (1 PC)	302892 (1 PC)



Technical Consultancy	Metal Working	Cleaning	Pre-Treatment	Bonding	Sealing	Filling & Protecting	Coating	Lubricating	Expert Training
-----------------------	---------------	----------	---------------	---------	---------	----------------------	---------	-------------	-----------------

- | | | | | | | | | | |
|--|---|---|--|---|---|--|--|--|--|
| <ul style="list-style-type: none"> Technical advice (calculation, design selection) Process simulation Line design & engineering Testing | <ul style="list-style-type: none"> Cutting Fluids Stamping & Drawing Fluids | <ul style="list-style-type: none"> General Cleaners Cleaning Specialities | <ul style="list-style-type: none"> Conversion Coatings Surface Preparation | <ul style="list-style-type: none"> Engineering Applications General Bonding Structural Bonding | <ul style="list-style-type: none"> Engineering Applications General Sealing | <ul style="list-style-type: none"> Filling & Protecting | <ul style="list-style-type: none"> Removal of Paint Coatings Functional Coatings | <ul style="list-style-type: none"> Anti-Seizes Dry Films & Oils Greases | <ul style="list-style-type: none"> Tech-days tailored to customer needs Process assessment & final user training |
|--|---|---|--|---|---|--|--|--|--|



LOCTITE®

Henkel Jebel Ali FZCo.
Dubai Silicon Oasis HQ
341044 Dubai, UAE
Tel: +971 4 3893 333
LoctiteGCC@henkel.com

Henkel Arabia
Second Industrial City, Exit 15, Zone-D
P.O. Box 25790, Riyadh 11476, KSA
Phone: +966 1 265 2655

www.linkedin.com/company/henkel-adhesives
www.henkel-adhesives.com