





PRODUCT APPLICATION GUIDE





APPLICATION	SOLUTION	Strength	Features	Recommended Primer	Size of Thread	Temperature Resistance
Threadlocking For nuts, bolts and threaded parts. To prevent unwanted movement, loosening, leaks and corrosion. Resists vibration. 	LOCTITE® 222 SUPER SCREW LOCK	Low	• Removable grade – Disassembly with normal tools	SF 7471	Up to M10	150°C
	LOCTITE® 243 SUPER NUT LOCK	Medium	• General purpose with improved oil resistance • Disassembly with normal tools • Primerless	SF 7471	Up to M36	180°C
	LOCTITE® 263 SUPER STUD LOCK	High	• General purpose with improved oil resistance • Disassembly with direct heat • Primerless	SF 7649	Up to M24	180°C
	LOCTITE® 272	High	• High temperature • Disassembly with direct heat • High chemical resistance	SF 7471	Up to M36	232°C
	LOCTITE® 277	Very High	• High Strength • Disassembly with direct heat • High chemical resistance	SF 7649	Up to M36	150°C
	LOCTITE® 290 WICK-IN / AFTER LOCK	Medium - High	• Wicking grade for preassembled fasteners • Porosity sealing capabilities (welds, castings)	SF 7649	Up to M12	150°C


APPLICATION	SOLUTION	Strength	Features	Recommended Primer	Gap Filling	Temperature Resistance
Retaining 100% Contact, prevents corrosion and fretting. Recommended for retaining shafts, gears, pulleys, sprockets, sleeves, pins bushes and couplings. 	LOCTITE® 641 BEARING MOUNT	Medium	• Ideal for cylindrical parts that require disassembly • Excellent chemical resistance • Improved heat transfer	SF 7649	Up to 0.2mm	150°C
	LOCTITE® 609 SUPER RETAINING COMPOUND	Medium	• Excellent load transmission capabilities • Tested and approved for use on bearings • Dismantles with press or pullers • Augments press fits	SF 7471	Up to 0.2mm	150°C
	LOCTITE® 620 HIGH TEMPERATURE	High	• Seals reliably valve seats and inserts in heavy duty applications • Excellent heat aging characteristics • Dismantles with press or pullers	SF 7649	Up to 0.25mm	230°C
	LOCTITE® 660 QUICK METAL	High	• Used for repairing worn coaxial parts without remachining • Excess does not cure; allows easy cleanup	SF 7471	Up to 0.5mm	150°C
	LOCTITE® 680	Very High	• Gives best resistance to dynamic, axial and radial loads • Plumbing Safety Licence AS/NZS 4020:2018 (Potable Water) Certificate no PST20158	SF 7471	Up to 0.2mm	150°C
	LOCTITE® 232 HIGH LUBRICITY	Medium	• Has lubricating properties to facilitate smooth assembly of heavy interference fits • Prevents galling and metal pick-up during assembly	SF 7649	Up to 0.05mm	150°C

APPLICATION	SOLUTION	Flange Type	Features	Recommended Primer	Oil Resistance	Temperature Resistance
Gasketing Single-component, replace conventional gaskets, excellent instant seal, fill all voids. 	LOCTITE® 510 GASKET ELIMINATOR	Rigid	• Makes or dresses metal gaskets • AGA certificate 2590 to 500kPa class II Domestic (Gas)	SF 7471	Excellent	Up to 200°C
	LOCTITE® 515 MASTER GASKET	Semi-Flexible	• Rigid machined flanges with less than 0.5mm gap • Flexes when flanges move in service • AGA certificate 2590 to 500kPa class II Domestic (Gas)	SF 7649 / SF 7471	Excellent	150°C
	LOCTITE® 518 MASTER GASKET	Semi-Flexible	• Recommended for rigid iron, steel and aluminium flanges • Excellent wetting characteristics • Primerless	SF 7471	Excellent	150°C
	LOCTITE® SI 587 BLUE MAXX SILICONE	Flexible	• Oxygen sensor safe • Non-corrosive, low odour, low VOC'S • Excellent resistance to automotive coolants	n/a	Outstanding	260°C
	LOCTITE® SI 596 HIGH TEMPERATURE SILICONE	Flexible	• Seals all flanges including stamped sheet metal where high temperature resistance is required • No shrinkage, no dry-out in service	n/a	Good	315°C
	LOCTITE® SI 5900 BLACK MAXX SILICONE	Flexible	• Seals all flanges including stamped sheet metal • Excellent resistance to automotive engine oils • Excellent adhesion to a wide variety of plastic substrates, glass, ceramics and metals	n/a	Excellent	230°C


APPLICATION	SOLUTION	Fixture Time	Features	Operating Temperature	Viscosity	Especially for
Structural Bonding Bonds a wide variety of materials. Such as metal, ceramic and plastic. 	LOCTITE® AA 324 IMPACT RESISTANCE BONDER	5 min Amber	• Displays high impact strength • Ideal for larger gap applications • Used with LOCTITE® SF 7075 • Ideal for bonding close-fitting metals and magnets	Up to 135°C	Syrup	Magnet Bonding
	LOCTITE® AA 330 MULTI BOND	15 - 30 sec Golden	• Low to medium gap fill • Use with LOCTITE® SF 7387 • Excellent high temperature resistance	Up to 120°C	High	Metal, Wood, Ferrite
	LOCTITE® EA 3801 5 MINUTE EPOXY	4 - 6 min Clear	• Resistant to a wide range of chemicals and solvents • Excellent electrical insulation • Ideal for emergency repairs or where fast cure is required	Up to 120°C	Heavy Syrup	General purpose bonding of metal, wood
	LOCTITE® Epoxy Weld STEEL & ALUMINIUM EPOXY FILLER	15 min Grey	• Can be drilled, tapped, threaded or filed and is an excellent electrical insulator • Ideal for repairs, filling, bonding to iron steel brass, bronze, aluminium and copper • Typically used under speedy sleeves	Up to 150°C continuously	Heavy Paste	Rebuilding of surfaces

APPLICATION	SOLUTION	Odour	Features	Functions	Appearance
Hand Cleaning 	LOCTITE® SF 7617 HAND WIPES	Mild Citrus White	• Enhanced cleaning formula with natural oils and emollients • Powerful and effective in removing tar, grease, wax, ink, paint, lubricants and adhesives	No rinse No residue	Pre-moistened waterless towels
	LOCTITE® SF 7850 HAND CLENER	Mild Citrus Off White	• Contains no harmful petroleum solvents, conditions skin with lanolin, aloe and jojoba • Pumice formula removes the toughest grease, dirt, oil and ink • Biodegradable and non-toxic	Cleans with or without water	Textured Cream

APPLICATION	SOLUTION	Strength	Features	Recommended Primer	Size of Thread	Temperature Resistance
Thread Sealing Single component, does not creep, shrink or block systems. Replaces tape, hemp or solvent based sealant. Resists vibration and shock loads. Protects against corrosion and galling. 	LOCTITE® 55 SEALING CORD	Low White	• Safe, fast and easy to use on metal and plastics (threaded fittings) • Allows reliable re-adjustment of the joint with neat and clean application • Potable water AS/NZS 4020:2018 Certificate no PST25485 & AGA Certificate no 6007 to 2000 kPa Class III Domestic (Gas) approved up to 85°C	n/a	100mm (4")	150°C
	LOCTITE® 567 MASTER PIPE SEALANT	Low White	• Easy dismantling with normal tools • Pressure tested to 10,000 PSI • Excellent chemical resistance	SF 7649	76mm (3")	250°C
	LOCTITE® 569 HYDRAULIC SEALANT	Low Brown	• Dismantles with normal tools • Pressure tested to 10,000 PSI • AGA Certificate 3375 2000 kPa Class III Domestic (Gas) • Seals fine threaded metal fittings on hydraulic, pneumatic and fuel systems	SF 7471	19 mm (3/4")	150°C
	LOCTITE® 577 HIGH PRESSURE PIPE SEALANT	Medium Yellow	• For use with parallel or tapered fittings. Primerless • Pressure tested to 10,000 PSI • Seals coarse metal threads in low temperature applications where fast cure is required • Potable water approval AS/NZS 4020:2018, Certificate no PST20159, AGA Certificate 4787 2000 kPa Class III Domestic (Gas)	SF 7471	76mm (3")	150°C
	LOCTITE® 5770 STEAM & GAS	High White	• Lubricates pipe threads for easy assembly • For use with parallel or tapered fittings • Ideal for sealing steam systems, up to 6.3MPa gauge pressure	SF 7471	76mm (3")	280°C

APPLICATION	SOLUTION	Fixture Time	Features	Especially for	Operating Temperature	Viscosity
Instant Bonding / Cyanoacrylate One-component, no-mix products that cure rapidly at room temperature. Excellent bond strengths to the widest range of plastics, rubbers and metals. 	LOCTITE® 401 ULTRA FAST	5 - 20 sec Clear	• General purpose, surface insensitive instant adhesive for most versatile application areas • Ultra-fast fixture speed	Plastics, metals, elastomers	Up to 120°C	Low
	LOCTITE® 406 DIFFICULT TO BOND SUBSTRATES	5 - 20 sec Clear	• General purpose grade for difficult-to-bond materials that require uniform stress distribution • Ultra-fast fixture speed	Rubbers, plastics, elastomers	Up to 120°C	Low
	LOCTITE® 424 HIGH STRENGTH	5 - 20 sec Clear	• Excellent for bonding EPDM rubber • Fast fixture speed	Plastics and Rubbers	Up to 80°C	Low
	LOCTITE® 435 RUBBER TOUGHENED	10 - 100 sec Clear	• Increase flexibility and peel strength along with enhanced resistance to shock • Provides excellent bonding on a wide range of materials • Also available in black (LOCTITE® 438)	Plastics, metals, elastomers & porous absorbent materials	Up to 100°C	Low
	LOCTITE® 454 GEL	5 - 20 sec Clear	• Ultra-fast fixture speed • No run, no drip - even on vertical surfaces	Porous absorbent materials	Up to 120°C	Gel
	LOCTITE® 460 LOW ODOR LOW BLOOM	5 - 20 sec Clear	• Particularly suitable for applications where vapor control is difficult • Reduced outgassing & prevents extreme whitening	Transparent materials	Up to 100°C	Low
	LOCTITE® 480 RUBBER TOUGHENED	60 - 120 sec Black	• Black, rubber toughened grade • For applications where high peel and sheer strength is required or shock loads are present	metal-to metal, metal-to-plastic, metal-to-rubber	Up to 80°C	Low

APPLICATION	SOLUTION	Colour	Features	Temperature Range	N.L.G.I. Class	Features
Lubricating Protects against rust, corrosion, seizing and galling. Used for high temperature application. 	LOCTITE® LB 8009 HEAVY DUTY ANTI-SEIZE	Dark Grey	• Metal-free formulation • Non-hazardous • Outstanding lubrication to all metals including stainless steel aluminium and soft metals	-30 to 1315°C	1	Good Chemical Resistance
	LOCTITE® LB 8150 SILVER GRADE ANTI-SEIZE	Silver	• Heavy-duty, temperature-resistant, petroleum-based lubricant compound • Fortified with graphite and aluminium powder • Inert, will not evaporate or harden in extreme cold or heat	-30 to 870°C	1	Soft Metals
	LOCTITE® LB 771 NICKEL ANTI-SEIZE	Silver	• Heavy-duty, temperature-resistant, petroleum-based lubricant • Recommended for stainless steel and other metal fittings	-30 to 1315°C	1	Excellent Chemical Resistance
	LOCTITE® LB 8008 CSA COPPER ANTI-SEIZE	Copper	• Outstanding lubrication for all metals	-30 to 980°C	1	Copper Graphite

APPLICATION	SOLUTION	Use with	Features	On Part Life	Dry Time	Base
Surface Preparation Clean and degrease work surfaces. Ensure full cure on inactive surfaces. 	LOCTITE® SF 770 PP PRIMER	All Cyanoacrylates Colourless	• Primes polyolefin and low surface energy substrates to allow bonding • Suitable for priming PTFE, elastomers, polyethylene, polypropylene, etc • Used to promote bonding with Instant Adhesives	8 Hours	30 Sec	Heptane
	LOCTITE® SF 7471 PRIMER 'T'	Anaerobics Amber	• General purpose primer designed to speed up the cure of LOCTITE® anaerobic adhesives, sealants and retaining compounds • Used to accelerate cure speed, or for applications under cold weather conditions (bond strength may be reduced)	7 Days	30 - 70 Sec	Acetone Isopropanol
	LOCTITE® SF 7649 PRIMER 'N'	Anaerobics Green	• Used where accelerated cure speed is required, or in cold weather, and where gaps exceed normal recommendations	30 Days	30 - 70 Sec	Acetone
	LOCTITE® SF 7063 DEGREASER	Cleans all surfaces Colourless	• General purpose cleaner degreaser for precision parts, bearing races, gears, controls, etc. • Compatible with some plastics and non-corrosive non CFC solvent based cleaner	Equivalent to the evaporation rate of water. Wiping or blowing will accelerate dry time.		Solvent
	Loctite® SF 7200 GASKET REMOVER	Chemical Gaskets and Gasket Cements on Metal Surfaces	• Does NOT contain Methylene Chloride • New dual-spray-head applicator • Will not run, even on vertical surfaces	Leave on surface for 5 to 10 min. Wipe / Scrape clean.		Solvent

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