

LOCTITE®

maintenance solutions



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Henkel

Making the Right Choice

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With this comprehensive guide for maintenance engineers in all industries, you can easily select the correct Loctite® branded product needed to overcome your immediate problems and to prevent future breakdowns and failures. Some of the most common maintenance problems and solutions can be found in the Table of Contents to the right.

This guide has been developed to make your product selection quicker, easier, and right the first time. We have even included a "Need It Now!" order form so you can quickly select the products you need. However, if more information is needed, all you have to do is visit our website at www.loctite.com, or call 1.800.LOCTITE (562.8483) for a copy of the latest version of The Adhesive Sourcebook, our full line catalog.



For additional information
visit our website at:

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Threadlocking

Locking of Threaded Fasteners

- Prevents loosening from shock and vibration
- Single component – clean and easy to apply
- Can be used on various sizes of fasteners – reduces inventory costs
- Seals threads
- Stops rust and corrosion



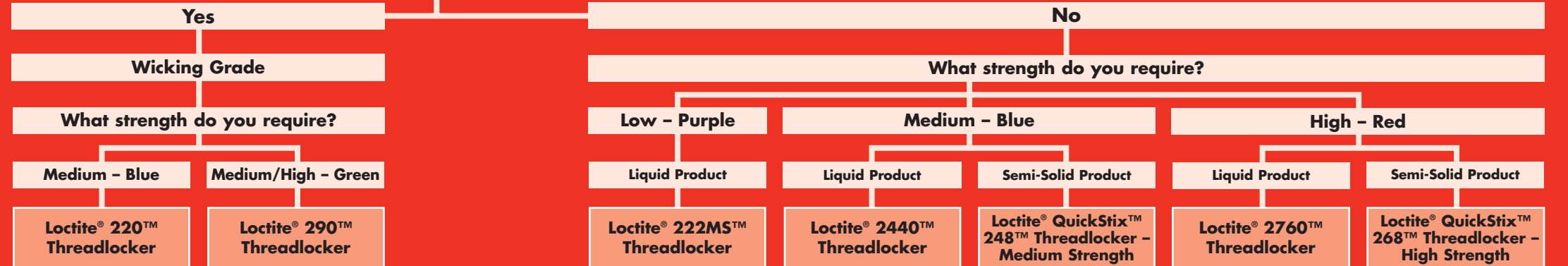
THREADLOCKING

Are the parts already assembled?

Helpful Hints:

- Clean parts with Loctite® ODC-Free Cleaner & Degreaser before applying the adhesive
- If the threadlocker will be applied below 40°F, pre-treat with Loctite® 7649™ Primer N™
- 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

Solution

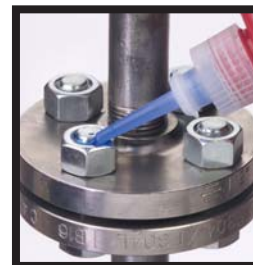


Fastener Size	#2 to 1/2"	#2 to 1/2"	Up to 1/4"	1/4" to 3/4"	1/4" to 3/4"	Up to 1"	Up to 1"
Strength	Medium	High	Low	Medium	Medium	High	High
Cure Time (Fixture/Full Strength)*	6 min./24 hr.	20 min./24 hr.	10 min./24 hr.	3 min./24 hr.	10 min./24 hr.	4 min./24 hr.	20 min./24 hr.
Breakaway/Prevail Torque (lb./in.)	20/250	90/260	53/30	215/53	110/43	325/320	202/4
Temperature Resistance for Continuous Service	300°F (150°C)	300°F (150°C)	300°F (150°C)	300°F (150°C)	300°F (150°C)	300°F (150°C)	300°F (150°C)
Common Sizes / Part Number	10 ml bottle – 37388 50 ml bottle – 39186 250 ml bottle – 22041	10 ml bottle – 29021 50 ml bottle – 29031 250 ml bottle – 29041	10 ml bottle – 22221 50 ml bottle – 22231 250 ml bottle – 22241	10 ml bottle – 33946 50 ml bottle – 33947 250 ml bottle – 33948	9 g stick – 37684 19 g stick – 37087	10 ml bottle – 32526 50 ml bottle – 32525 250 ml bottle – 32527	9 g stick – 37685 19 g stick – 37686

* Typical value @ 70°F (22°C)

Additional Loctite® brand Threadlockers

Name	Strength	Breakaway/Prevail Torque (lb./in.)	Features
242°	Medium	110/43	Fasteners 1/4" to 3/4"
243™	Medium	180/62	Oil Tolerance
262™	High	189/275	Fasteners up to 3/4"
272™	High	200/220	High Temp up to 1 1/2"
277™	High	275/275	Fasteners up to 1 1/2"



Loctite® 220™ Threadlocker – Medium Strength/Wicking/Blue

A low viscosity threadlocking adhesive that allows the product to wick along the threads of preassembled fasteners. Perfect for fasteners up to 1/4" diameter (6 mm).



Loctite® 290™ Threadlocker – High Strength/Wicking/Green

Recommended for locking pre-assembled fasteners, i.e. instrumentation screws, electrical connectors, and set screws. Also seals porosities in welds and metal parts. Mil Spec (S-46163A) Type III, Grade R. NSF/ANSI 61.



Loctite® 222MS™ Threadlocker – Low Strength

Recommended for low-strength threadlocking of adjustment screws, countersunk head screws, and set screws; on collars, pulleys, tool holders, and controllers. Also for low strength metals such as aluminum or brass. Mil-Spec (S-46163A) Type II, Grade M.



Loctite® 2440™ Threadlocker – Primerless/Medium Strength

Particularly fast curing, reducing or eliminating the need for primers. Effective on all types of metal threaded fasteners. Prevents loosening on vibrating parts such as pumps, motor mounting bolts, gear boxes, or presses. Removable with hand tools.



Loctite® QuickStix™ 248™ Threadlocker – Medium Strength

Semi-solid stick form is convenient, portable, and great for hard-to-reach applications. Loctite® QuickStix™ 248™ Threadlocker – Medium Strength is the ideal general-purpose threadlocker for all nut and bolt applications, especially fasteners between 1/4" and 3/4". Removable with hand tools.



Loctite® 2760™ Threadlocker – Primerless/High Strength

Particularly fast curing, reducing or eliminating the need for primers. For use on all metal fasteners where regular removal for maintenance is not required. Recommended for permanently locking studs on engine blocks and pump housings. CFIA Approved.



Loctite® QuickStix™ 268™ Threadlocker – High Strength

This convenient semi-solid stick form is portable and less messy. Its high strength prevents loosening of threaded fasteners. Well suited for heavy-duty applications.



Use Loctite® 7649™ Primer N™ to:

1. Activate inactive surfaces.
2. Speed cure times for faster return to service.
3. Speed curing through larger gaps and deep threads.
4. Substantially speed cure times on cold parts.
5. Act as a cleaning agent.

Primer is optional with:

Active surfaces: Brass, copper, bronze, iron, soft steel, nickel.

Primer is required with:

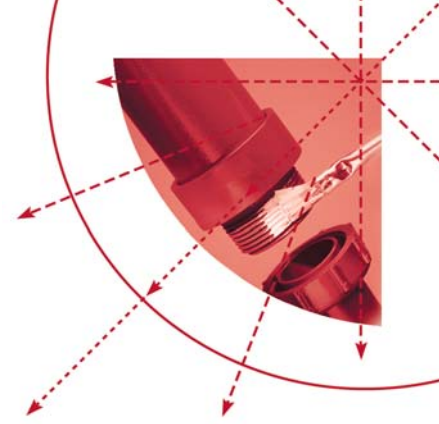
Inactive surfaces: Aluminum, stainless steel, magnesium, zinc, black oxide, cadmium, titanium, others.

Package Size/Part Number: 1.75 oz. – 38402
4.5 oz. – 21348



Thread Sealing

- Replaces tapes and pastes
- Liquids ensure complete contact between threads for a 100% seal
- Liquids will not creep, shrink, shred, or block systems (including filters)
- Disassembly can be achieved easily with basic hand tools



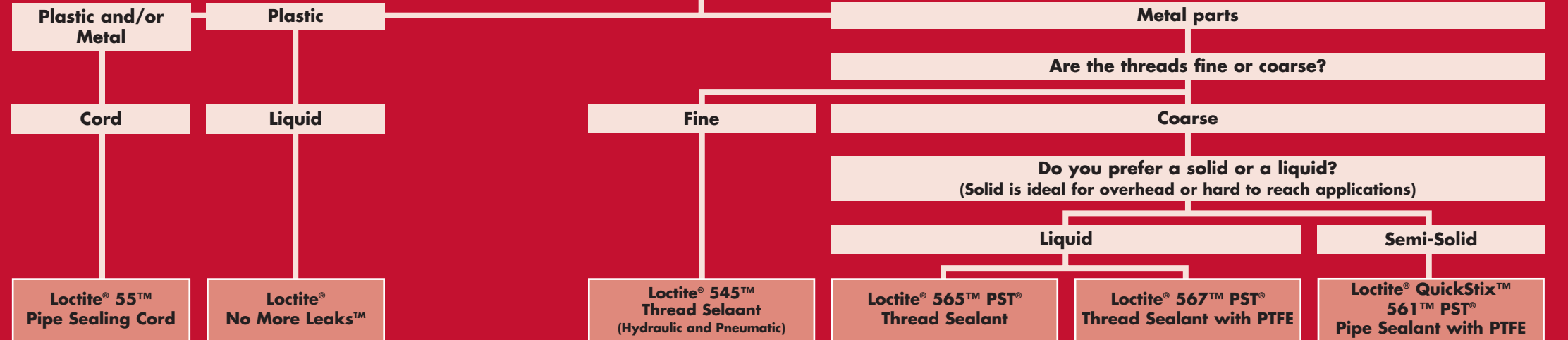
THREAD SEALING

Are the parts metal or plastic?

Helpful Hints:

- If the sealant (Loctite® 545™ PST® Thread Sealant, Loctite® 565™ PST® Thread Sealant, Loctite® 567™ PST® Thread Sealant, or Loctite® QuickStix™ PST® 561™ Pipe Sealant) will be applied below 40°F, pre-treat with Loctite® 7649™ Primer N™
- All parts must be clean and dry before sealing – use Loctite® ODC-Free Cleaner & Degreaser

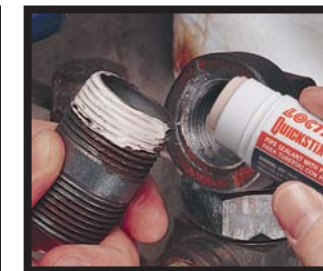
Solution



Description	Cord	White Paste	Purple Liquid	White Paste	White Paste	White Stick
Maximum Thread Size	4"	3"	Up to 2"	Up to 2"	3"	3"
Temperature Resistance	300°F (150°C)	400°F (204°C)	300°F (150°C)	300°F (150°C)	400°F (204°C)	300°F (150°C)
Maximum Pressure Resistance (psi) / Cure Time	10,000 psi / instant	5,000 psi / N.A.	10,000 psi / 24 hrs	10,000 psi / 72 hrs	10,000 psi / 72 hrs	10,000 psi / 72 hrs
Substrate to be Sealed	Metal, Plastic or Both	Plastic	Metal	Metal	Stainless Steel, Aluminum	Metal
Instant Low Pressure Seal	Yes	Yes	No	Yes	Yes	Yes
Common Sizes / Part Number	5,700 inches - 35082 1,968 inches - 39036	2 fl. oz. tube - 80725 7 fl. oz. tube - 80724 1 pint brush can - 80726	10 ml bottle - 32429 50 ml bottle - 54531 250 ml bottle - 54541	6 ml tube - 56507 50 ml tube - 56531 250 ml tube - 56541 300 ml cartridge - 56571	6 ml tube - 56707 50 ml tube - 56747 250 ml tube - 56765 350 ml brush can - 33241	19 g stick - 37127

Additional Loctite® brand Thread Sealants

Name	Type
Loctite® 564™ Thread Sealant	Instant seal, low strength
Loctite® 554™ Thread Sealant	Refrigerant sealant
Loctite® H.V.A.C. Blue Pipe Joint Compound	Seals oil, refrigerants, butane, propane, and more
Loctite® Pipe Joint Compound	High temperature, non-hardening
Loctite® Thread Sealant with PTFE	Non-hardening



Use Loctite® 7649™ Primer N™ to:

1. Activate inactive surfaces.
2. Speed cure times for faster return to service.
3. Speed curing through larger gaps and deep threads.
4. Substantially speed cure times on cold parts.
5. Act as a cleaning agent.

Primer is optional with:

Active surfaces: Brass, copper, bronze, iron, soft steel, nickel.

Primer is required with:

Inactive surfaces: Aluminum, stainless steel, magnesium, zinc, black oxide, cadmium, titanium, others.



Loctite® 55™ Pipe Sealing Cord

Can be safely applied on metal and plastic threaded fittings.
Potable water: NSF/ANSI Standard 61. UL Listed and Certified to CSA® International.

Loctite® No More Leaks™

Recommended for use on threaded plastic fittings carrying hot or cold water, i.e. industrial and agricultural plastic water pipe systems, or drainage systems.

Loctite® 545™ Thread Sealant

Recommended for fine threaded fittings as used in hydraulic and pneumatic installations and small fittings in general.
ABS Approved. CFIA Approved.

Loctite® 565™ PST® Thread Sealant

A general-purpose instant sealer for tapered and straight/tapered fittings. Controlled strength for ease of disassembly.
CSA® 3319-81 and 3319-01. UL MH007(N). NSF/ANSI 61. ULC-Canada Approved. CFIA Approved.

Loctite® 567™ PST® Thread Sealant with PTFE

Withstands temperatures to 400°F with excellent solvent resistance. Locks and seals tapered pipe threads and fittings, including high pressure applications. Disassembles with hand tools. ABS Approved.

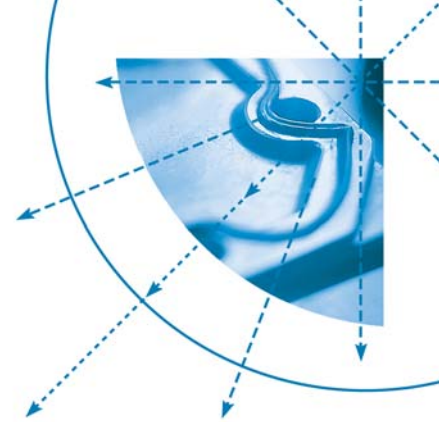
Loctite® QuickStix™ 561™ PST® Pipe Sealant with PTFE

Semi-solid stick form is convenient, portable, and less messy. Formulated for fast, reliable curing on metal, tapered pipe threads and fittings. Loctite® QuickStix™ 561™ PST® Pipe Sealant provides high pressure sealing and withstands continuous operating temperatures of -65°F to 300°F (-54°C to 150°C).



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

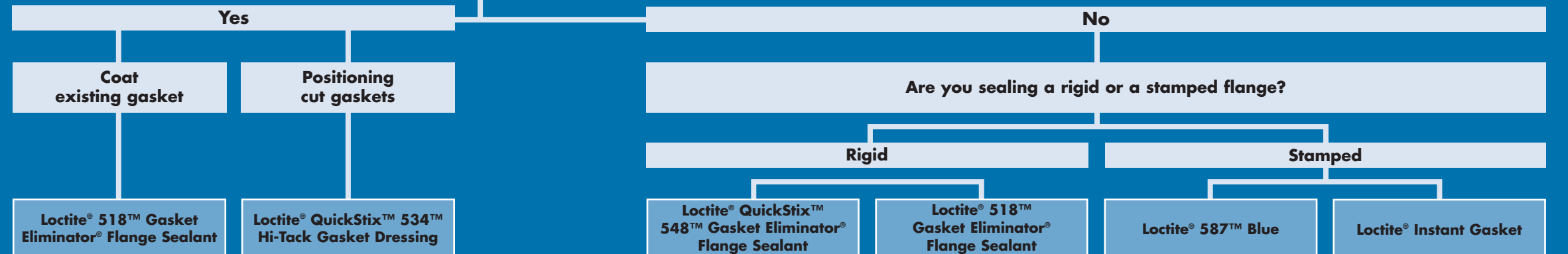


Does the existing gasket need to be used as a shim?

Helpful Hints:

- If there are traces of old gasket left on the parts to be sealed, clean with Loctite® Chisel® Gasket Remover
- All parts must be clean and dry before sealing – use Loctite® ODC-Free Cleaner & Degreaser
- Anaerobic products cure between metal surfaces with the absence of air

Solution



Gasket Type	Formed-in-place	Use with cut gasket	Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place
Gap Fill	0.010" (0.25 mm)	N.A.	0.010" (0.25 mm)	0.010" (0.25 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)
Cure Method	Anaerobic	Anaerobic	Anaerobic	Anaerobic	Moisture (RTV)	Moisture (RTV)
Fixture / Cure Time	N.A.	N.A.	N.A./24 hrs.	N.A./24 hrs.	50 min.	5 min.
Temperature Resistance (Continuous / Intermittent)	300°F (150°C)/N.A.	300°F (150°C)/N.A.	300°F (150°C)/N.A.	300°F (150°C)/N.A.	400°F (204°C) 500°F (260°C)	450°F (232°C) 500°F (260°C)
Instant Seal	Excellent	Excellent	Yes	Excellent	Excellent	Excellent
Oil Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Water / Glycol Resistance	Excellent	N.A.	Good	Excellent	Excellent	Excellent
Common Sizes / Part Number	6 ml tube – 51817 50 ml tube – 51831	9 g stick – 39155 19 g stick – 39156 38 g stick – 39157	9 g stick – 39151 18 g stick – 39152 37 g stick – 39153	6 ml tube – 51817 50 ml tube – 51831	70 ml tube – 58730 300 ml cartridge – 58775 8.75 oz. can – 30567	4 oz. can – 30684 5 oz. cartridge – 30509 7 oz. can – 30507

Additional Loctite® Brand Gasketing Products

Name
Loctite® Gasket Sealant 1
Loctite® Gasket Sealant 2
Loctite® Aviation Gasket Sealant
Loctite® brand High Performance Silicones (Loctite® 598™ Black, 5920™ Copper, and 5699™ Grey)
Loctite® Superflex® RTV, Silicone Adhesive Sealants (Black, Clear, White, Blue, Red Hi-Temp)
Loctite® Copper Gasket Adhesive
Loctite® 574™ Flange Sealant – Fast Cure
Loctite® 515™ Gasket Eliminator® Flange Sealant
Loctite® Hi-Tack Gasket Sealant
Loctite® 510™ Gasket Eliminator® Flange Sealant



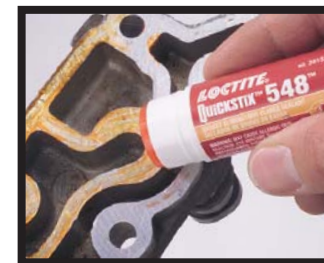
Loctite® 518™ Gasket Eliminator® Flange Sealant

Recommended for coating and re-using gaskets to improve sealing. Spray Loctite® 7649™ Primer N™ on both flange surfaces and both sides of the gasket. NSF/ANSI 61 Certified. CFIA Approved.



Loctite® QuickStix™ 534™ Hi-Tack Gasket Dressing

No mess semi-solid formula offers added control and ease of use. Patented package is portable and won't leak or spill. Seals and holds the heaviest gaskets in place during assembly. Solvent-free and low odor. Suitable to 300°F (149°C).



Loctite® QuickStix™ 548™ Gasket Eliminator® Flange Sealant

Patented semi-solid formula is ideal for on-the-spot repairs, or when a conventional gasket is out of stock. Can be applied quickly and neatly on a variety of metal surfaces, including aluminum, to form a flexible, solvent resistant seal. Seals to 300°F (149°C) and fills gaps to 0.010".



Loctite® 518™ Gasket Eliminator® Flange Sealant

Recommended for use on rigid iron, steel, and aluminum flanges. Spray Loctite® 7649™ Primer N™ on only one surface. NSF/ANSI 61 Certified. CFIA Approved.



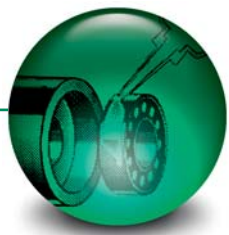
Loctite® 587™ Blue, High Performance RTV Silicone Gasket Maker

Recommended for sealing all types of flanges including stamped sheet metal. Designed for superior bonding properties to oil contaminated metals. ABS Approved.



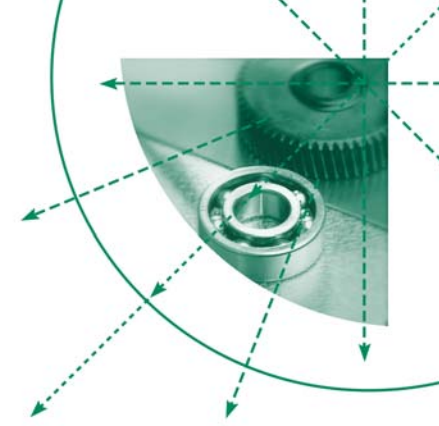
Loctite® Instant Gasket

Makes high-performance, leakproof gaskets in one minute. Equipment can be returned to service immediately. Blowout resistant. Outperforms precut gaskets.



Retaining Securing Cylindrical Assemblies

- Bond non-threaded cylindrical metal 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 are distributed evenly over the joint



RETAINING

Is the assembly badly worn?

- Helpful Hints:**
- If the retaining compound will be applied below 40°F (5°C), pre-treat with Loctite® 7649™ Primer N™
 - All parts must be clean and dry before sealing – use Loctite® ODC-Free Cleaner & Degreaser
 - If the parts have been in contact with washing or cutting fluids containing nitrites, wash with hot water

Yes - Gaps up to 0.020" (0.5 mm)

No - Gaps to 0.015" (0.4 mm)

Will the parts be dismantled later for maintenance?
e.g. bearings, sprockets, and sheaves

Yes

No

Temperatures above 300°F (150°C)?

Low Strength

Medium Strength

Yes to 400°F (200°C)

No

Oil Contamination or other?

Semi-Solid

Liquid

No

Yes

Loctite® 660™
Quick Metal®
Retaining Compound

Loctite® 641™
Retaining Compound

Loctite® 609™
Retaining Compound

Loctite®
QuickStix™ 668™
Retaining Compound

Loctite® 620™
Retaining Compound

Loctite® 680™
Retaining Compound

Loctite® 603™
Retaining Compound

Solution

Strength Required	High	Low	Medium	Medium	High	High	High
Shear Strength	3,335 psi	1,700 psi	2,300 psi	1,870 psi	3,800 psi	2,800 psi minimum	3,770 psi
Diametrical Clearance	Up to 0.020" (0.5 mm)	Up to 0.006" (0.15 mm)	Up to 0.005" (0.1 mm)	Up to 0.005" (0.1 mm)	Up to 0.015" (0.4 mm)	Up to 0.015" (0.4 mm)	Up to 0.005" (0.1 mm)
Temperature Resistance	300°F (150°C)	300°F (150°C)	300°F (150°C)	400°F (204°C)	450°F (232°C)*	300°F (150°C)	300°F (150°C)
Cure Time (Setup / Full Strength)	20 min./24 hr.	20 min./24 hr.	10 min./24 hr.	30 min./24 hr.	30 min./24 hr.	10 min./24 hr.	10 min./24 hr.
Common Sizes / Part Number	6 ml tube - 66010 50 ml tube - 66040	10 ml bottle - 28802 50 ml bottle - 21458	10 ml bottle - 60921 50 ml bottle - 60931 250 ml bottle - 60941	9 g stick - 39147 19 g stick - 39148 38 g stick - 39149	10 ml bottle - 62015 50 ml bottle - 62040 250 ml bottle - 62070	10 ml bottle - 68015 50 ml bottle - 68035 250 ml bottle - 68060	10 ml bottle - 21440 50 ml bottle - 21441 250 ml bottle - 21442

* Requires heat cure to achieve temperature resistance

Use Loctite® 7649™ Primer N™ to:

1. Activate inactive surfaces.
2. Speed cure times for faster return to service.
3. Speed curing through larger gaps and deep threads.
4. Substantially speed cure times on cold parts.
5. Act as a cleaning agent.

Primer is optional with:

Active surfaces: Brass, copper, bronze, iron, soft steel, nickel.

Primer is required with:

Inactive surfaces: Aluminum, stainless steel, magnesium, zinc, black oxide, cadmium, titanium, others.

Package Size/Part Number: 1.75 oz. - 38402
4.5 oz. - 21348



Loctite® 660™ Quick Metal® Retaining Compound

Used for repairing worn coaxial parts without remachining; enables re-use of worn bearing seats, keys, splines, tapers, or for retaining shims. CFIA Approved.



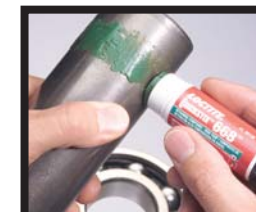
Loctite® 641™ Retaining Compound

A controlled strength retaining compound that is ideal for cylindrical parts that require disassembly. CFIA Approved.



Loctite® 609™ Retaining Compound - Press Fit/General Purpose

Recommended for parts that will need subsequent dismantling, i.e. retention of bearings onto shafts and into housings. Mil-Spec (R-46082B) Type I.



Loctite® QuickStix™ 668™ Retaining Compound

A high temperature retaining compound in a revolutionary semi-solid formula. Patented, no-mess package offers added convenience and portability. Ideal for gaps up to 0.005" on the diameter. Withstands temperatures to 400°F (204°C).



Loctite® 620™ Retaining Compound - Slip Fit/High Temperature

Recommended for high temperature retaining of parts with a clearance or interference fit, i.e. retaining bushes, bearings, seals, fans, and liners. Requires heat cure to achieve temperature resistance. ABS Approved.



Loctite® 680™ Retaining Compound - Slip Fit/High Strength

Gives best resistance to dynamic, axial and radial loads. Recommended for retaining shafts, gears, pulleys, and similar cylindrical parts. NSF/ANSI 61 Approved. ABS Approved.



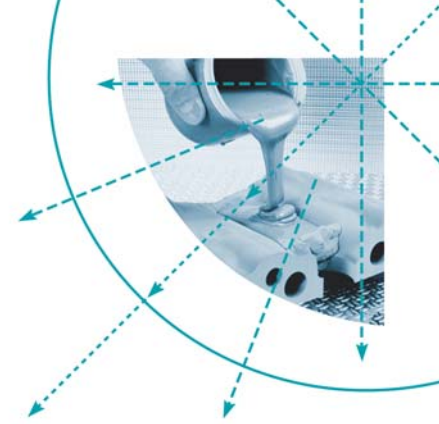
Loctite® 603™ Retaining Compound - Press Fit/Oil Tolerant

For retaining close-fitting cylindrical parts, up to 0.005" (0.1 mm) gap, and for use on cylindrical fitting parts where thorough degreasing is not possible. Applications include retaining roller bearings or oil impregnated bushings into housings.



Metal Rebuilding and Shaft Repair

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



Repair or rebuild damaged parts

What material are you filling?

Mild steel

Aluminum

Pourable

Putty

Kneadable stick

High performance chemical resistance

Pourable

Putty

Solution

Loctite® Fixmaster® Steel Liquid

Loctite® Fixmaster® Steel Putty

Loctite® Fixmaster® Fast Set Steel Putty

Loctite® Fixmaster® Metal Magic Steel™

Loctite® Fixmaster® Superior Metal Putty

Loctite® Fixmaster® Aluminum Liquid

Loctite® Fixmaster® Aluminum Putty

Color	Grey	Grey	Grey	Dark Grey	Grey	Light Grey	Light Grey
Maximum Temperature	225°F (107°C)	225°F (107°C)	200°F (93°C)	250°F (121°C)	250°F (121°C)	200°F (93°C)	200°F (93°C)
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.
Compressive Strength	13,500 psi	11,100 psi	10,800 psi	12,000 psi	18,000 psi	17,000 psi	11,300 psi
Common Sizes / Part Number	1 lb. kit - 97483 4 lb. kit - 97484	1 lb. kit - 99913 4 lb. kit - 99914 25 lb. kit - 99912	1 lb. kit - 39917	4 oz. stick - 98853	1 lb. kit - 97473	1 lb. kit - 97453	1 lb. kit - 97463

* at 77°F (25°C)

Additional Products

Name

- Loctite® Fixmaster® Stainless Steel Putty
- Loctite® Fixmaster® Fast Set Steel Epoxy
- Loctite® Fixmaster® Wet Surface Repair Putty
- Loctite® Fixmaster® Underwater Repair Epoxy



Loctite® Fixmaster® Steel Liquid

High steel content. Pourable liquid filler used for making fixtures and molding. ABS Approved.



Loctite® Fixmaster® Steel Putty

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



Loctite® Fixmaster® Fast Set Steel Putty

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



Loctite® Fixmaster® Metal Magic Steel™

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



Loctite® Fixmaster® Superior Metal Putty

Formulated with fine alloy particles with high compressive strength and chemical resistance. Recommended for use on all metals. Outstanding compressive strength, chemical resistance, non-rusting.



Loctite® Fixmaster® Aluminum Liquid

Fluid, self-leveling aluminum liquid. Can be poured into molds and cavities. Recommended for casting aluminum replacement parts and for making molds. ABS Approved.



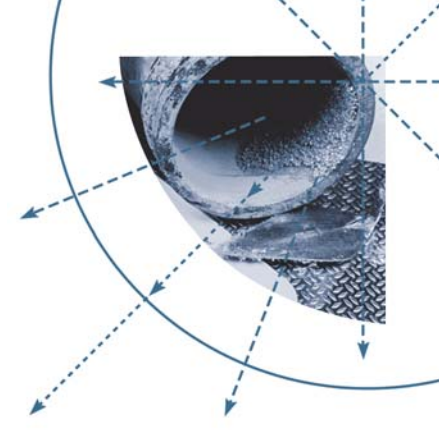
Loctite® Fixmaster® Aluminum Putty

General purpose, aluminum putty for repair of all aluminum alloy components. ABS Approved.



Wear Prevention and Rebuilding

- Restores worn surfaces
- Provides wear and impact resistant coatings
- Use on new parts to extend life
- Available in both trowelable and brushable forms



Are you experiencing corrosion or wear?

Helpful Hints:

- Clean surfaces with Loctite® ODC-Free Cleaner & Degreaser
- Use expanded metal to fill large voids
- Roughen surfaces to ensure adhesion

Corrosion (e.g. chemical, rust, etc.)

Wear

Impact or sliding abrasion resistance?

Sliding

Impact

Are you filling deep or shallow cavitation?

Deep

Shallow

Solution

Loctite® Nordbak®
Chemical Resistant Coating

Loctite® Nordbak®
Wearing Compound

Loctite® Nordbak®
High Impact
Wearing Compound

Loctite® Nordbak®
Pneu-Wear

Loctite® Nordbak®
Brushable Ceramic

Loctite® Fixmaster®
Wear Resistant Putty

Loctite® Fixmaster®
Flex 80™ Putty

Color	Grey	Grey	Grey	Grey	Grey or White	Grey	Black
Maximum Temperature	150°F (66°C)	250°F (121°C)	250°F (121°C)	250°F (121°C)	200°F (93°C)	225°F (107°C)	180°F (82°C)
Working Time*	20 min.	30 min.	30 min.	30 min.	Grey 30 min. White 15 min.	30 min.	10 min.
Cure Time*	16 hrs.	7 hrs.	6 hrs.	6 hrs.	Grey 6 hrs. White 5 hrs.	6 hrs.	8 hrs.
Common Sizes / Part Number	12 lb. kit - 96092	5 lb. kit - 99813 25 lb. kit - 99812	25 lb. kit - 39918	3 lb. kit - 98383 25 lb. kit - 98382	2 lb. kit grey - 98733 2 lb. kit white - 96443 6 lb. kit grey - 98732	1 lb. kit - 98742 3 lb. kit - 98743	1 lb. kit - 97423 6 lb. kit - 97422

* At 77°F (25°C)

Additional Products

Name	Type
Loctite® Nordbak® High Temperature Wearing Compound	450°F (232°C)
Loctite® Nordbak® High Temperature Pneu-Wear	450°F (232°C)
Loctite® Nordbak® Ultra High Temperature Wearing Compound	550°F (288°C)
Loctite® Nordbak® Ultra High Temperature Pneu-Wear	550°F (288°C)
Loctite® Nordbak® Fast Cure Wearing Compound	3 hr. cure
Loctite® Nordbak® Fast Cure Pneu-Wear	3 hr. cure
Loctite® Nordbak® High Temperature Brushable Ceramic	550°F (288°C)
Loctite® Nordbak® Castable Wearing Compound	Mold wear resistant parts
Loctite® Nordbak® Ceramic Tile Adhesive	200°F (93°C)
Loctite® Fixmaster® Flex™ Metal Primer	Promotes the adhesion of Loctite® Flex™ Urethanes to metal
Loctite® Nordbak® Combo Bead Wearing Compound	250°F (121°C)



Loctite® Nordbak® Chemical Resistant Coating

Smooth, glossy, low friction finish protects against turbulence, abrasion, and cavitation. This advanced epoxy protects equipment from extreme chemical attack and corrosion. Low viscosity epoxy can be applied by brush.



Loctite® Nordbak® Wearing Compound

Trowelable compound that protects against sliding abrasion. Use to rebuild and protect chutes, pump housings, elbows, cyclones, and material handling equipment.



Loctite® Nordbak® High Impact Wearing Compound

Rubber modified compound absorbs impacts. Recommended where both sliding abrasion and impacts are present.



Loctite® Nordbak® Pneu-Wear

Resists fine particle abrasion caused in pipe elbows of pneumatic conveyor systems. ABS Approved.



Loctite® Nordbak® Brushable Ceramic

Smooth, wear resistant, low friction coating to combat turbulence and cavitation on components such as pump housings and impellers. Grey version is approved for use in potable water systems, NSF/ANSI 61 Approved. ABS Approved.



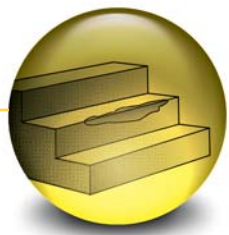
Loctite® Fixmaster® Wear Resistant Putty

Ceramic fibers give this trowelable putty excellent wear and abrasion resistance with a smooth, low friction finish. Can be used over other wearing compounds to fill voids.



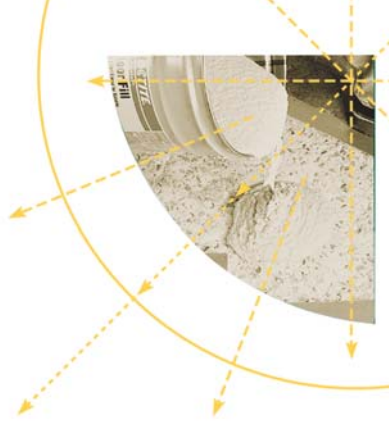
Loctite® Fixmaster® Flex 80™ Putty

A trowelable, two-part urethane for rebuilding and repairing rubber parts and linings, providing impact, abrasion, and corrosion resistant protection. Use Flex™ accessory products to properly etch, clean, and prime surfaces. ABS Approved.



Floor and Concrete Repair

- Chemical and corrosion resistance
- High impact resistance
- Bonds to concrete, wood, metals, brick, and other common building



FLOOR AND CONCRETE REPAIR

Floor Repairs

Helpful Hints:

- Vary consistency of Loctite® Fixmaster® Magna-Crete for vertical applications
- Use Loctite® Fixmaster® Magna-Crete for cold storage applications
- No concrete bonding agents are required
- Use a backer rod when filling deep expansion joints

Solution

	Small concrete repairs	Filling Expansion Joints	General Floor Repair		Extreme Chemical Resistance	
			Do you require a higher strength or a faster curing floor repair?			
			High Strength	Fast Cure		
	Loctite® Fixmaster® Concrete Repair Epoxy	Loctite® Fixmaster® Flex 80™ Liquid	Loctite® Fixmaster® Floor Fill	Loctite® Fixmaster® Magna-Crete	Loctite® Fixmaster® High Performance Quartz	Loctite® Nordbak® Chemical Resistant Coating
Color	Grey	Black	Grey	Grey	Grey	Grey
Maximum Temperature	250°F (121°C)	180°F (82°C)	225°F (107°C)	2,000°F (1,093°C)	150°F (66°C)	150°F (66°C)
Compressive Strength	12,000 psi	N.A.	15,000 psi	13,000 psi	12,000 psi	10,000 psi
Working Time	4 - 7 min.	20 min.	40-60 min.	15 min.	45 min.	20 min.
Functional Cure	1 hr.	8 hrs.	24 hrs.	1 hr.	24 hrs.	16 hrs.
Chemical Resistance	Good	Fair	Good	Fair	Excellent	Excellent
Common Sizes / Part Number	4 oz. stick - 39366	1 lb. kit - 97413 6 lb. kit - 97412	10 lb. kit - 99361 40 lb. kit - 99365	1 gallon kit - 95551 5 gallon kit - 95555	42 lb. kit - 96495	12 lb. kit - 96092

Additional Products

Name	Available Colors	Sizes
Loctite® Urethane Sealant	Limestone and Black	10.2 oz. cartridge
Loctite® Fixmaster® Magna-Crete Activator	N.A.	10 lb. bottle



Loctite® Fixmaster® Concrete Repair Epoxy

Enables permanent repairs to concrete and masonry. Convenient stick contains pre-measured portions of activator and base. Once cured can be tapped, drilled, screwed, sawed, filed or painted, and will have an appearance and texture similar to concrete.



Loctite® Fixmaster® Flex 80™ Liquid

A castable two-part urethane for making molds, fixtures, expansion joints, and non-scratching holding fixtures.



Loctite® Fixmaster® Floor Fill

A three-component, self-leveling, non-shrinking epoxy floor repair system. 100% solids, epoxy-based system for repairing holes in floors, spalled areas, ramps, stairs, cracks in floors, and for use in grouting applications. Stronger than concrete, it bonds to almost any clean substrate and provides corrosion and chemical resistance.



Loctite® Fixmaster® Magna-Crete

This two-component magnesium phosphate cement sets rapidly and has a very high early strength. Ideal for road and aircraft runway repairs, which can typically be driven over after 45 minutes. It bonds to new and old concrete as well as most construction materials including wood, glass, and steel. No water additive, so it can be applied at temperatures as low as -15°F.



Loctite® Fixmaster® High Performance Quartz

A highly-filled, quartz epoxy system designed to protect old or new concrete from chemical attack. Provides a surface resistant to concentrated acids, alkalis, and solvents. Areas damaged by chemical attack may be resurfaced with HPQ. Easily applied, trowelable system that should be applied at a minimum 1/4" build to provide maximum chemical resistance.



Loctite® Nordbak® Chemical Resistant Coating

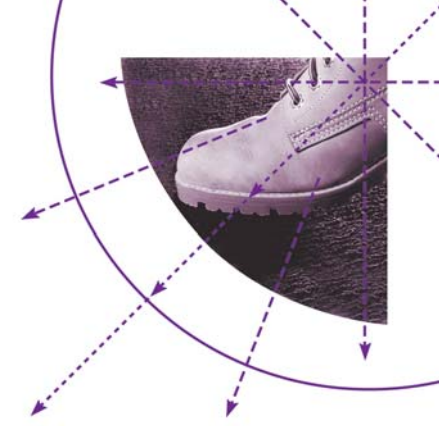
Smooth, glossy, low friction finish protects against turbulence, abrasion, and cavitation. This advanced epoxy protects from extreme chemical attack and corrosion. Low viscosity epoxy can be applied by brush.





Anti-Slip Flooring

- Chemical resistance
- Designed to increase the Coefficient of Friction (COF)
- Exceeds OSHA COF recommendations



ANTI-SLIP FLOORING

Anti-Slip Coatings

Helpful Hints:

- Most formulas can be rolled, sprayed, or trowelled
- Finished flooring is easily cleaned with a biodegradable cleaner/degreaser
- Remove any oil, grease, dirt, or water prior to application
- Test for the presence of water to determine if floor can be coated

Skid proofing for safety purposes

Do you have pedestrian or vehicular traffic?

Vehicular

Pedestrian

Heavy Rolling Equipment Traffic

Most Aggressive Profile and Odor Sensitive Areas

Heavy Pedestrian or Light Rolling Traffic

Asphalt or Flexible Applications

Solution

Loctite® Big Foot™ Vehicular Grade

Loctite® Big Foot™ Zero V.O.C.

Loctite® Big Foot™ Heavy Duty Pedestrian Grade

Loctite® Big Foot™ Acrylic Pedestrian Grade

	Heavy Rolling Equipment Traffic	Most Aggressive Profile and Odor Sensitive Areas	Heavy Pedestrian or Light Rolling Traffic	Asphalt or Flexible Applications
Color	Black, Grey, and Tile Red	Grey	Black and Grey	Grey
Coefficient of Friction (Dry/Wet)	1.05/1.05	1.10/1.00	1.17/1.00	1.30/0.90
Coverage per Gallon (ft²/meter²)	40 ft ² (3.7 m ²)	35 ft ² (3.3 m ²)	50 ft ² (4.7 m ²)	70 ft ² (6.5 m ²)
Working Time	4 hrs.	1 hr.	N.A.	N.A.
Drying Time (Light Pedestrian Traffic/Heavy Pedestrian Traffic)	12/72 hrs.	24/72 hrs.	12/72 hrs.	4/24 hrs.
Common Sizes / Part Number	1 gallon kit black - 96221 1 gallon kit grey - 96251 5 gallon kit grey - 96255	1 gallon kit - 39915	1 gallon kit black - 96211 1 gallon kit grey - 96261 5 gallon kit grey - 96265	1 gallon kit - 95591

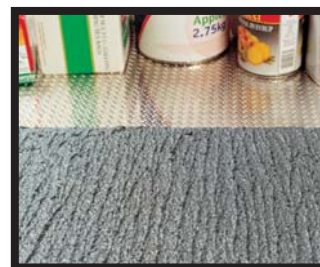
Additional Products

Name	Used on or with
Loctite® Big Foot™ Metal Primer	Metal
Loctite® Big Foot™ Acrylic Primer	Loctite® Big Foot™ Acrylic Pedestrian Grade
Loctite® Big Foot™ Water-Based Primer/Sealer	Porous Surfaces (ex. Concrete, wood, tile)
Loctite® Mixer Blades	To mix all 1 gallon kits of Loctite® Big Foot™ flooring compounds



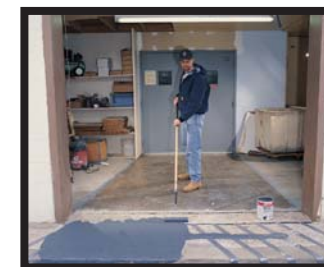
Loctite® Big Foot™ Vehicular Grade

Withstands even the heaviest rolling equipment traffic. Resists liquids as harsh as jet fuels and hydraulic fluids. Superior adhesion forms a solid bond to metal, concrete, and wood.



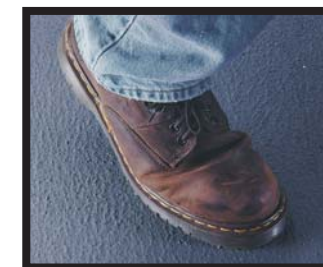
Loctite® Big Foot™ Zero V.O.C.

This 100% reactive, solvent-free epoxy has the most aggressive profile in the Big Foot™ line. Use in odor-sensitive areas such as wineries, food processing plants, hospitals, or confined spaces.



Loctite® Big Foot™ Heavy Duty Pedestrian Grade

For areas with heavy pedestrian or light rolling traffic. Ideal for ramps, walkways, locker rooms, stairs, and assembly areas.



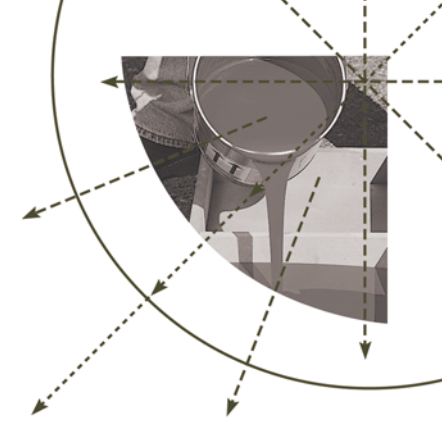
Loctite® Big Foot™ Acrylic Pedestrian Grade

A single-component, elastomeric, anti-slip floor and deck coating for optimum adhesion to asphalt and flexible applications. Best for outdoor applications.



Grouting

- Chemical and corrosion resistance
- Self-leveling
- Stronger than concrete
- Bonds to concrete, wood, metals, brick, and other common building materials



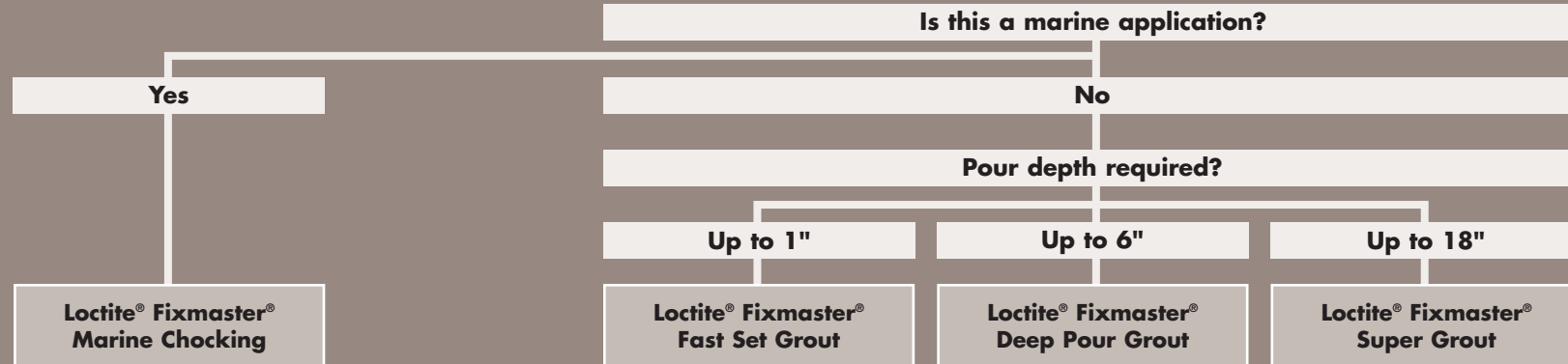
GROUTING

Grouting

Helpful Hints:

- Use Loctite® Fixmaster® Fast Set Grout to set anchor bolts
- Replace traditional steel chocks with Loctite® Fixmaster® Marine Checkung for mounting equipment in the marine industry

Solution



	Loctite® Fixmaster® Marine Checkung	Loctite® Fixmaster® Fast Set Grout	Loctite® Fixmaster® Deep Pour Grout	Loctite® Fixmaster® Super Grout
Color	Green or Orange	Red	Black	Red
Maximum Temperature	250°F (121°C)	200°F (93°C)	225°F (107°C)	225°F (107°C)
Compressive Strength	22,000 psi	14,500 psi	14,500 psi	12,900 psi
Working Time*	10-15 min.	10 min.	30 min.	285 min.
Functional Cure	24 hrs.	12 hrs.	24 hrs.	24 hrs.
Common Sizes / Part Number	2 gallon kit green - 97572 2 gallon kit orange - 96102 1 gallon kit orange - 37316	2 gallon kit - 39637	5 gallon kit - 99545	5 gallon kit - 33510

* Typical value @ 77°F (25°C)



Loctite® Fixmaster® Marine Checkung

Self-leveling, fast-curing, non-shrinking grout. Outstanding chemical and vibration resistance and compressive strength to withstand maximum loads. ABS Approved.



Loctite® Fixmaster® Fast Set Grout

Self-leveling, non-shrinking grout for installing machinery and setting anchor bolts. Cures quickly. Can be poured up to 1" thick. Compression strength and chemical resistance are superior to concrete. Forms strong bonds to old concrete and to itself.



Loctite® Fixmaster® Deep Pour Grout

Aggregate-filled, epoxy system for pours up to 6" deep, including self-leveling applications under rails and sole plates. High strength material bonds to steel, concrete, and itself. Withstands high torque load.



Loctite® Fixmaster® Super Grout

Designed for grouting up to 18" deep, including self-leveling applications under rails and sole plates. A 100% solids epoxy system that is non-shrinking, chemical and corrosion resistant, stronger than concrete, and withstands high torque loading.



Belt Repair

- Repair gouges, cuts, and worn edges on rubber belting
- Non-shrinking and unaffected by oil, grease, and water
- Excellent flexibility and elongation



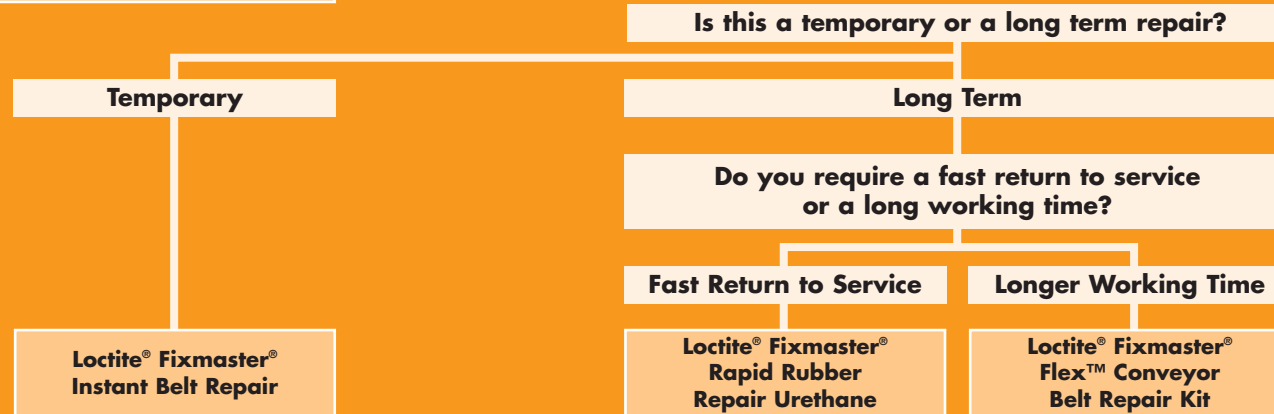
BELT REPAIR

Conveyor Belt Repair

Helpful Hints:

- Loctite® Fixmaster® Rapid Rubber Repair 400 ml cartridges and kit require Loctite® Rapid Rubber Repair Dispenser, Part Number 39635
- Loctite® Fixmaster® Instant Belt Repair requires heat
- Loctite® Fixmaster® Instant Belt Repair can be applied at any temperature
- Use the recommended accessory products to ensure maximum adhesion and product reliability

Solution



	Loctite® Fixmaster® Instant Belt Repair	Loctite® Fixmaster® Rapid Rubber Repair Urethane	Loctite® Fixmaster® Flex™ Conveyor Belt Repair Kit
Color	Amber	Black	Black
Working Time	N.A.	1 min.	10 min.
Tensile Strength	400 psi	1,300 psi	1,500 psi
Functional Cure	30 min.	2 hrs.	8 hrs.
Common Sizes / Part Number	1 lb. kit - 37719	400 ml kit - 96677 400 ml cartridge - 96675 150 ml coaxial cart. - 96676	1 lb. kit - 98693

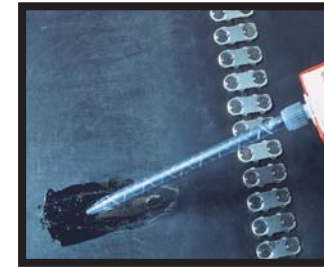
Additional Products

Name	Features
Loctite® Fixmaster® Etching Agent	Enhances bonds to natural, SBR, and butadiene rubber
Loctite® Fixmaster® Flex™ Cleaner	Cleans rubber, urethane or metal



Loctite® Fixmaster® Instant Belt Repair

A single-component, heat-curing material for fast, temporary belt repairs. Requires no priming. Equipment can be operated in 30 minutes.



Loctite® Fixmaster® Rapid Rubber Repair Urethane

Our premium quality, belt repair product is designed to repair conveyor belts and other damaged rubber equipment quickly and easily. Repairs will have the same durability and flexibility as the belt. The 400 ml cartridge requires the use of a Loctite® Fixmaster® Rapid Rubber Repair Dispenser. Also available in a kit with etching agent and cleaner.



Loctite® Fixmaster® Flex™ Conveyor Belt Repair Kit

Makes long-lasting belt repairs. Recommended for applications where speed of application is not critical. Cures in 8-12 hours.

Loctite® Fixmaster® Rapid Rubber Repair Dispenser

Easy-to-use applicator for the Loctite® Fixmaster® Rapid Rubber Repair Kit.

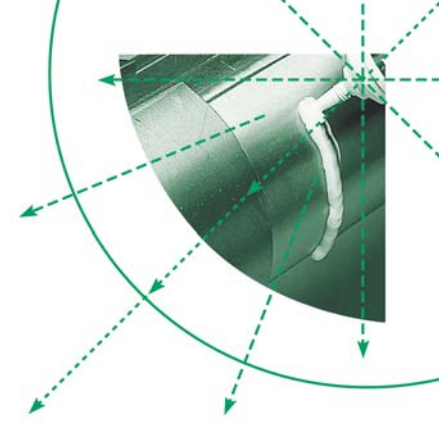
Part Number: 39635





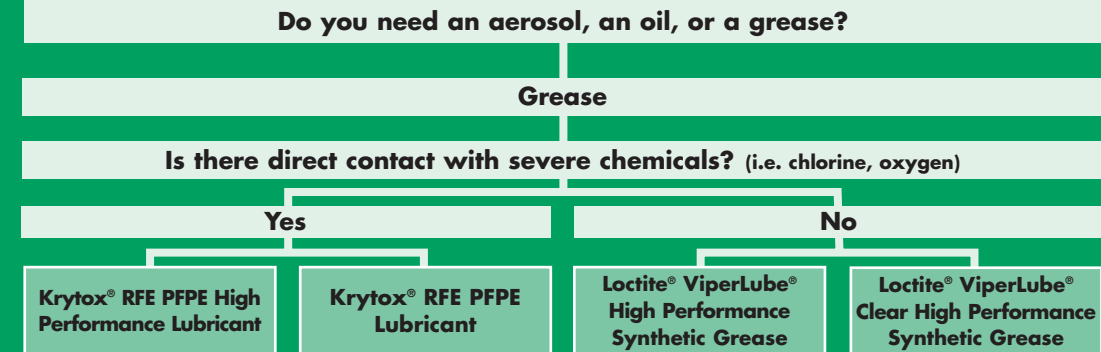
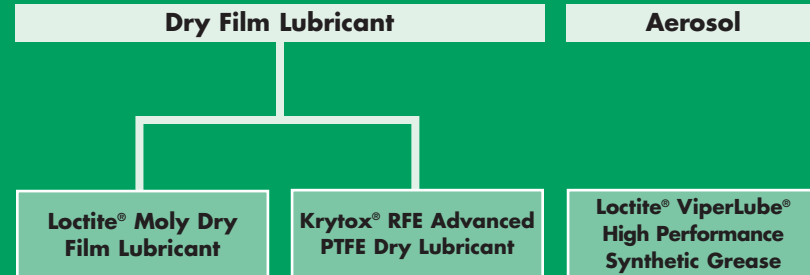
Lubricants Greases

- Temperature resistance
- Thermal stability
- Penetrate and free corroded assemblies



LUBRICANTS - GREASES

High Performance Lubrication



Solution

	Loctite® Moly Dry Film Lubricant	Krytox® RFE Advanced PTFE Dry Lubricant	Loctite® ViperLube® High Performance Synthetic Grease	Krytox® RFE PFPE High Performance Lubricant	Krytox® RFE PFPE Lubricant	Loctite® ViperLube® High Performance Synthetic Grease	Loctite® ViperLube® Clear High Performance Synthetic Grease
Base Oil	Molybdenum disulfide	PTFE†	PAO‡	PFPE†	PFPE†	PAO‡	PAO‡
Viscosity	•	•	•	240 CST¹	240 CST¹	240 CST¹	103 CST¹
Temperature Range	-20°F to 750°F (-29°C to 398°C)	-15°F to 500°F (-26°C to 260°C)	-40°F to 500°F* (-40°C to 260°C)	-15°F to 500°F (-26°C to 260°C)	-15°F to 500°F (-26°C to 260°C)	-40°F to 500°F* (-40°C to 260°C)	-45°F to 520°F† (-20°C to 271°C)
Four Ball Wear Test (mm)	•	•	•	0.30 mm²	0.30 mm²	0.42 mm²	0.60 mm²
Food Grade	•	•	NSF H1	NSF H2	NSF H2	NSF H1	NSF H1
Common Sizes / Part Number	12 oz. aerosol - 39895 1.3 lb. can - 39896 10 lb. can - 39897	8 oz. aerosol - 30138	10.1 oz. aerosol - 36786	2 oz. tube - 29711 16 oz. cart. - 29709	2 oz. tube - 29710 16 oz. cart. - 31361 16 lb. pail - 31360 14 oz. cart. - 36782	3 oz. tube - 36781 400 g cart. - 36782 400 g can - 36783 120 lb. keg - 39363 30 lb. pail - 37061	3 oz. tube - 39341 400 g cart. - 39342 30 lb. pail - 39364

† PTFE = PolyTetraFluoroEthylene
 PFPE = PerFluoroPolyEther
 PAO = PolyAlphaOlefin
 * 400°F (204°C) – Continuous, 500°F (260°C) – Intermittent
 ‡ 420°F (216°C) – Continuous, 520°F (271°C) – Intermittent
 ¹ CST @ 40°C
 ² Four Ball Wear, ASTM D-2266
 ³ Four Ball Wear, ASTM D-4172

Additional Products

Name	Feature
Krytox® RFE Cleaner	Removes used or contaminated lubricants
Loctite® Extreme Pressure Grease	NLGI 1
Loctite® Gear, Chain and Cable Lubricant	Repels dirt, sand, and dust
Loctite® Silicone Lubricant	Food processing
Loctite® Dielectric Grease	Electrical Equipment
Loctite® White Lithium Grease	Metal to metal, metal to plastic
Loctite® Food Grade Grease	Food processing



Loctite® Moly Dry Film Lubricant

Solid film lubricant for sliding surfaces and slow-moving parts. Temperature resistant up to 750°F (399°C) as a dry film lubricant, 2400°F (1315°C) as an anti-seize. Won't squeeze out, burn off, or pick up dirt.



Krytox® RFE Advanced PTFE Dry Lubricant

High performance, synthetic lubricant designed to provide long-lasting lubrication for parts that require a dry, thin lubricating film. Krytox® RFE Advanced PTFE Dry Lubricant provides excellent lubrication properties over a broad temperature range.



Loctite® ViperLube® High Performance Synthetic Grease

NLGI Grade 2/Severe Duty GC-LB Grease provides protection against equipment exposed to a wide range of temperatures. Use as a lubricant and protective anti-rust film on bearings and machine parts, or as a release agent on gasket and seals. NSF H1 rated for incidental food contact.



Krytox® RFE PFPE High Performance Lubricant

Synthetic grease provides long-lasting lubrication for all types of moving and/or sliding parts. Compatible with all plastics, elastomers, and metals. Non-flammable, chemically resistant, and oxygen compatible.



Krytox® RFE PFPE Lubricant

High performance synthetic grease formulated specifically for severe environments. Excellent lubrication properties over a broad temperature range. NLGI Grade 2.



Loctite® ViperLube® High Performance Synthetic Grease

NLGI Grade 2/Severe Duty GC-LB Grease provides protection against equipment exposed to a wide range of temperatures. Use as a lubricant and protective anti-rust film on bearings and machine parts, or as a release agent on gaskets and seals. NSF H1 rated for incidental food contact.



Loctite® ViperLube® Clear High Performance Synthetic Grease

Lasts four times longer than petroleum-based lubricants. Withstands temperatures up to 420°F (520°F intermittent). Contains PTFE for added protection against friction and wear. Non-flammable. Contains no ODCs. Clear in color. NLGI 2 grade grease. NSF H1 rated for incidental food contact.

Loctite® Industrial Manual Grease Dispenser

Good for all grease type lubricants. See Accessories page for more info.

Part Number: 98431





Lubricants Oils

- Rust and corrosion prevention
- NSF H1 rated for incidental food contact
- Excellent anti-wear properties
- Fewer oil changes



LUBRICANTS - OILS

High Performance Oils



Base Oil	PAO†	PAO†	PAO†	PAO†	PAO†
SAE Grade	140W	90W	20W	15W	10W
Temperature Range	-45°F to 450°F (-20°C to 232°C)	-45°F to 450°F (-20°C to 232°C)	-45°F to 450°F (-20°C to 232°C)	-45°F to 450°F (-20°C to 232°C)	-45°F to 450°F (-20°C to 232°C)
Food Grade	NSF H1	NSF H1	NSF H1	NSF H1	NSF H1
Color	Clear	Clear	Clear	Clear	Clear
Common Sizes / Part Number	1 gallon bottle - 38878 5 gallon pail - 38879 55 gallon drum - 38880	1 gallon bottle - 36787 5 gallon pail - 38350 55 gallon drum - 38351	1 gallon bottle - 38875 5 gallon pail - 38876 55 gallon drum - 38877	1 gallon bottle - 38872 5 gallon pail - 38873 55 gallon drum - 38874	1 gallon bottle - 36788 5 gallon pail - 38352 55 gallon drum - 38353

† PAO = PolyAlphaOlefin

Additional Products

Name	Feature
Loctite® Maintain® Lubricant Penetrant	Close fitting parts
Loctite® Hydraulic Jack Oil	Hydraulic units
Loctite® Penetrating Oil	Displaces moisture
Loctite® Solvo-Rust® Super Penetrating Oil	Close fitting parts

Loctite® ViperLube® High Performance Synthetic Oils

Now available in 5 and 55 gallon drums.



Loctite® ViperLube® High Performance Synthetic Lubricant - Gear Oil (140W)

This 140W (ISO 460) gear oil extends equipment life, reduces oil changes and energy costs. Recommended for use on gear sets, bearings, circulating oil systems, chains, and worn gear units. NSF H1 rated for incidental food contact.

Loctite® ViperLube® High Performance Synthetic Lubricant - Gear Oil (90W)

This 90W (ISO 220) gear oil extends equipment life, reduces oil changes and energy costs. Recommended for use on gear sets, bearings, circulating oil systems, chains, and worn gear units. NSF H1 rated for incidental food contact.

Loctite® ViperLube® High Performance Synthetic Lubricant - Lightweight Oil (20W)

This 20W (ISO 68) oil reduces varnish and deposits, minimizing the need for replacement parts and maintenance. Recommended for use on hydraulic systems, rotary screw compressors, food processing machinery, bearings, chains, and valves. NSF H1 rated for incidental food contact.

Loctite® ViperLube® High Performance Synthetic Lubricant - Lightweight Oil (15W)

This 15W (ISO 46) oil reduces varnish and deposits, minimizing the need for replacement parts and maintenance. Recommended for use on hydraulic systems, rotary screw compressors, food processing machinery, bearings, chains, and valves. NSF H1 rated for incidental food contact.

Loctite® ViperLube® High Performance Synthetic Lubricant - Lightweight Oil (10W)

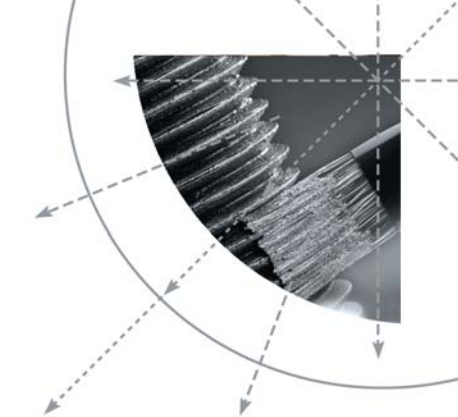
This 10W (ISO 32) oil reduces varnish and deposits, minimizing the need for replacement parts and maintenance. Recommended for use on hydraulic systems, rotary screw compressors, food processing machinery, bearings, chains, and valves. NSF H1 rated for incidental food contact.





Anti-Seize Lubricants

- Protect against rust, corrosion, seizing, and galling
- Provide lubrication in extreme environments



ANTI-SEIZE LUBRICANTS

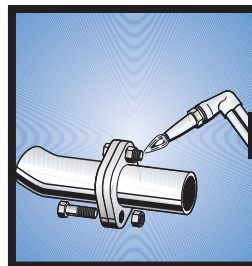
What type of Anti-Seize do you require?

Solution	General Purpose			Stainless Steel and Titanium Applications	Soft Metal Applications	Incidental Food Contact	Water Resistant
	Up to 1600°F (871°C)	Up to 1800°F (982°C)	Up to 2400°F (1315°C)				
	Available in a Paste or Semi-Solid Stick	Available in a Paste or Semi-Solid Stick					
	Loctite® Silver Grade Anti-Seize	Loctite® C5-A® Copper Based Anti-Seize Lubricant	Loctite® Nickel Anti-Seize	Loctite® Heavy Duty Anti-Seize	Loctite® Zinc Anti-Seize	Loctite® Food Grade Anti-Seize	Loctite® Marine Grade Anti-Seize
Color	Silver	Copper	Silver	Black	Grey	White	Black
Solid Lubricating Agent	Graphite/Aluminum	Copper/Graphite	Nickel/Graphite	Graphite/Calcium Fluoride	Zinc	White Lubricating Solids	Calcium Sulfonate
Torque Coefficient*	0.18	0.16	0.13	0.16	0.15	0.13	0.18
Temperature Range	-20°F to 1600°F (-29°C to 870°C)	-20°F to 1800°F (-29°C to 982°C)	-20°F to 2400°F (-29°C to 1315°C)	-20°F to 2400°F (-29°C to 1315°C)	-20°F to 750°F (-29°C to 399°C)	-20°F to 750°F (-29°C to 399°C)	-20°F to 2400°F (-29°C to 1315°C)
Metal-Free	No	No	No	Yes	No	Yes	Yes
Common Sizes / Part Number	8 oz. brushtop - 76732 1 lb. brushtop - 76764 20 g stick - 37230 12 oz. aerosol - 76759	8 oz. brushtop - 51147 1 lb. brushtop - 51007 20 g stick - 37229 12 oz. aerosol - 51003	8 oz. brushtop - 77124 1 lb. brushtop - 77164 12 oz. aerosol - 51286	9 oz. brushtop - 51605 1.2 lb. brushtop - 51606	1 lb. can - 39901	8 oz. brushtop - 51168 1 lb. can - 51170	8 oz. brushtop - 34395 1 lb. brushtop - 34026

* K value on steel nuts and bolts

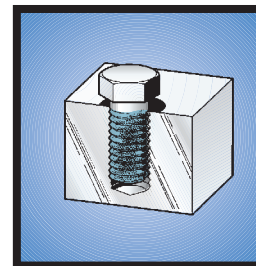
Additional Loctite® brand Anti-Seizes

Name	Max Temp	Features
Loctite® White Hi-Temp Anti-Seize	2000°F (1093°C)	Non-metallic, high temp
Loctite® N-1000™ High Purity Anti-Seize	1800°F (892°C)	Power plant, copper based
Loctite® N-5000™ High Purity Anti-Seize	2400°F (1315°C)	Power plant, nickel based
Loctite® High Performance N-5000™ High Purity Anti-Seize	2400°F (1315°C)	Power plant, nickel based, high lubricity
Loctite® N-7000™ High Purity Anti-Seize	2400°F (1315°C)	Power plant, metal-free
Loctite® Moly-50™ Anti-Seize	750°F (399°C)	Thread lubricant
Loctite® Graphite-50™ Anti-Seize	900°F (482°C)	Electrically conductive nonmetallic
Loctite® Moly Paste	750°F (399°C)	Withstands extreme pressure, heavy loads



Loctite® Silver Grade Anti-Seize

Heavy duty, temperature resistant, petroleum-based lubricant compound fortified with graphite and metallic flake. Inert and will not evaporate or harden in extreme cold or heat. For use in assemblies up to 1600°F (871°C). ABS Approved. Tested to MIL-PRF-907E. CFIA Approved.



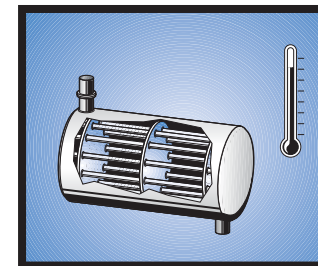
Loctite® C5-A® Copper Based Anti-Seize Lubricant

Exclusive formula suspends copper and graphite in a high quality grease. Protects metal parts from rust, corrosion, galling, and seizing at temperatures to 1800°F (982°C). Tested to MIL-PRF-907E. CFIA Approved.



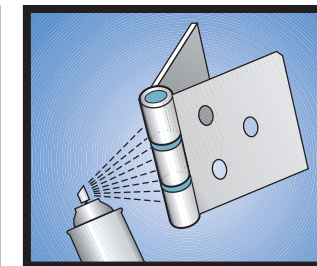
Loctite® Nickel Anti-Seize

Copper-free. Recommended for stainless steel and other metal fittings. For preventing corrosion, seizing, and galling in harsh, chemical environments, and temperatures to 2400°F (1315°C). ABS Approved.



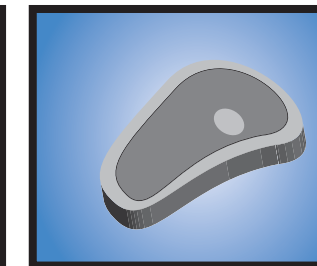
Loctite® Heavy Duty Anti-Seize

Metal-free. Excellent lubricity. Provides outstanding lubrication to all metals including stainless steel, aluminum, and soft metals up to 2400°F (1315°C).



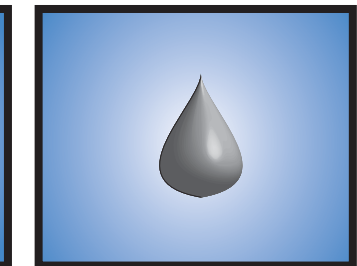
Loctite® Zinc Anti-Seize

Protects aluminum and ferrous surfaces from seizure and corrosion up to 750°F (399°C).



Loctite® Food Grade Anti-Seize

Prevents seizure, galling, and friction in stainless steel and other metal parts up to 750°F (399°C). NSF H1 rated for incidental food contact.



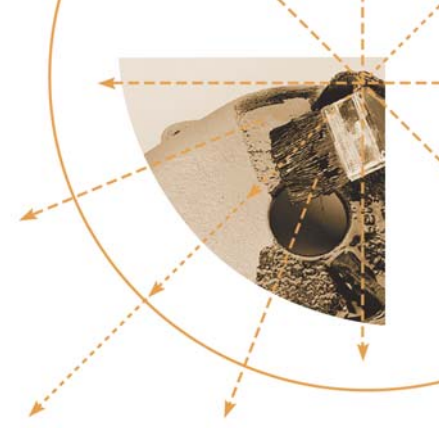
Loctite® Marine Grade Anti-Seize

Formulated to protect assemblies exposed directly or indirectly to fresh and salt water, this anti-seize works especially well in high humidity conditions. It has excellent lubricity, superior water wash-out spray resistance, and prevents galvanic corrosion. ABS Approved.



Surface Protection 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							
					General Purpose							
					Cathodic Protection	Undercoating	Non-Drying	Color Coding				
	Loctite® Belt Dressing & Conditioner		Loctite® Extend® Rust Treatment		Loctite® Cold Galvanizing Compound	Loctite® Heavy-Duty Rubberized Undercoating	Loctite® Maxi-Coat™	Loctite® Color Guard®				
Description	Liquid Spray		Rust Converter		Zinc Spray		Rubberized Spray		Waxy Film		Rubber Coating	
Color	Colorless		Matte black		Grey		Black		Brown		Red, Yellow, Blue, Black	
Temperature Range	Up to 200°F (93°C)		Up to 250°F (121°C)		Up to 400°F (204°C)		Up to 200°F (93°C)		Up to 200°F (93°C)		Up to 200°F (93°C)	
Dry Time	N.A.		30 min.		15 min.		20 min.		N.A.		4 hrs.	
Common Sizes / Part Number	12 oz. aerosol – 30527		10.25 oz. aerosol – 30539 1 qt. bottle – 75430 1 gallon bottle – 75448 5 gallon pail – 75465		15 oz. aerosol – 82039		16 oz. aerosol – 30538		12 oz. aerosol – 51211 1 gallon can – 51213		11 oz. aerosol* 14.5 fl. oz. can* 1 gallon can*	

* Available in Black, Blue, Red and Yellow. See index for Part Numbers.

Additional Products	
Name	Size
Loctite® Primer for Color Guard®	1 gallon pail
Loctite® Thinner for Color Guard®	1 gallon pail
Loctite® Nordbak® Chemical Resistant Coating	12 lb. kit



Loctite® Belt Dressing & Conditioner

Recommended to prevent slipping and increase friction for all types of belts. Extends belt life. Penetrates the cord fibers of "V" belts to restore pliability and flexibility. Eliminates squeaking and glazing.



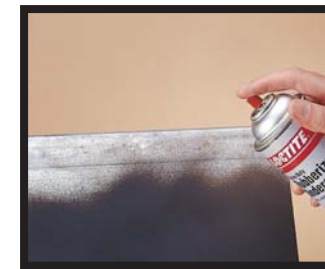
Loctite® Extend® Rust Treatment

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



Loctite® Cold Galvanizing Compound

Sprays on metal surfaces to prevent corrosion even when the surface is scratched. Ideal touch-up for welded seams. Highly resistant to salt corrosion and water. Not resistant to acid or alkaline solutions. Contains no ozone-depleting compounds.



Loctite® Heavy-Duty Rubberized Undercoating

This heavy-duty undercoating seals, protects, and insulates. Rubberized for maximum durability.



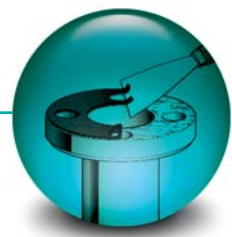
Loctite® Maxi-Coat™, Heavy Duty Rustproofing

Heavy-duty coating provides long-term protection for metal parts, equipment, and machinery. Forms a protective, waxy film which seals out moisture, air, acid, and other corrosive elements. Great for protecting parts in storage. Removable.



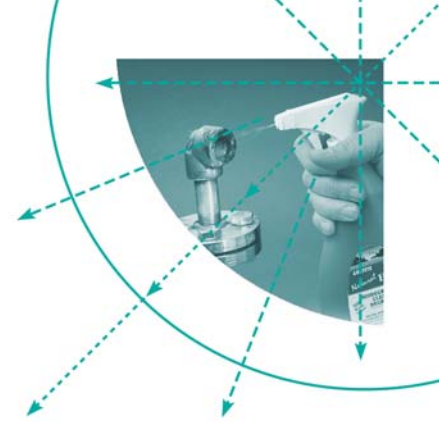
Loctite® Color Guard®, Tough Rubber Coating

Inhibits rust and corrosion. Seals, insulates, and identifies almost any material in minutes. Creates a non-slip gripping surface. Rubber coating won't crack or chip. Acid and alkali resistant. Dip, spray, or brush to apply. Suggested applications: tools, metal, electrical connections, masonry, wood, conveyors, glass, rope, fabric. Now in a toluene-free formulation.

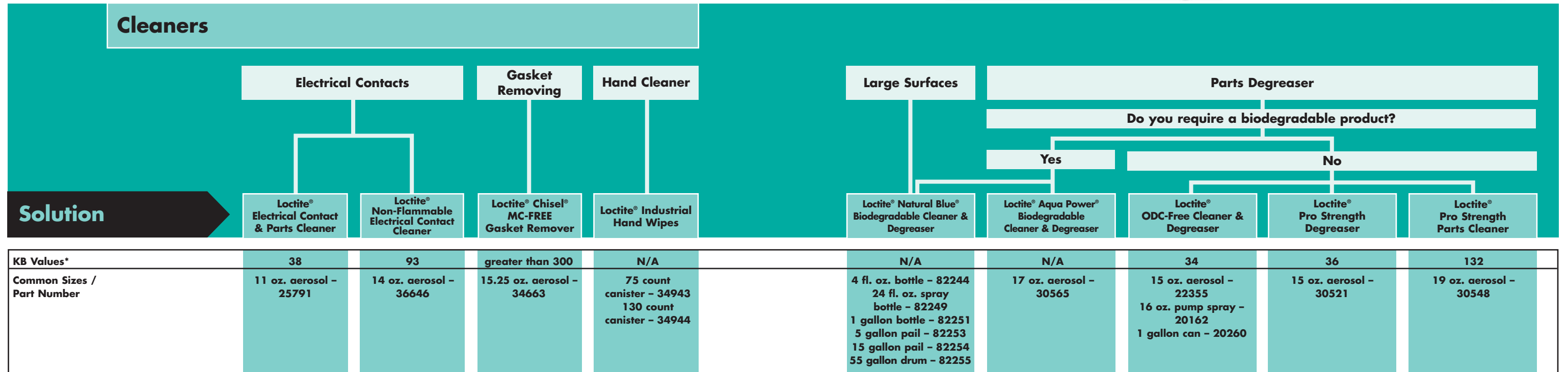


Cleaning

■ Clean and degrease work surfaces, parts, and hands



CLEANING



* Kauri-Butanol Value tested to ASTM D 1133. (This test method covers the determination of the relative solvent power of hydrocarbon solvents.)

Additional Products	
Name	Size
Loctite® Pro Strength Varnish Remover	12 oz. aerosol
Loctite® Multi-Purpose Glass Cleaner	18.75 oz. aerosol
Loctite® Non-Chlorinated Parts Cleaner	14.75 oz. aerosol
Loctite® Chisel® Gasket Remover (Methylene Chloride)	18 oz. aerosol
Loctite® Electrical Contact Cleaner	15 oz. aerosol



Loctite® Electrical Contact & Parts Cleaner

Fast-evaporating cleaner removes grease, oil, and other contaminants from electrical parts and mechanical equipment. Contains no CFCs or HCFCs and is safe on most plastics. Non-conductive and non-corrosive.



Loctite® Non-Flammable Electrical Contact Cleaner

Removes grease, oil, and other contaminants from electrical parts to prevent contact failure. Dries residue-free in seconds. Contains no HCFCs or CFCs.



Loctite® Chisel® MC-FREE Gasket Remover

Free of Methylene Chloride, Loctite® Chisel® MC-FREE has a foaming action that lifts off gaskets from any type of assembly in minutes. Performs better than Methylene Chloride formulations on silicone gaskets and removes most spray paints from steel panels in less than 30 seconds. Suitable for wood and plaster. Not for use on plastics, linoleum, or synthetic fibers.



Loctite® Industrial Hand Wipes

Pre-moistened with a powerful citrus scented formula, each 9.5" x 12" wipe is abrasive enough to scrub off the toughest grease and grime without scratching hands. Quick and easy to use, no rinsing, no drying, no residue left behind. Perfect for industrial and commercial working hands in the painting, printing, maintenance, transportation, and construction industries.



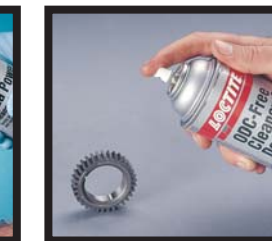
Loctite® Natural Blue® Biodegradable Cleaner & Degreaser

Biodegradable, all-purpose, industrial strength, concentrated cleaner and degreaser. Can be economically diluted with water. Formulated for wipe down, pressure spraying, and immersion cleaning processes at room temperature or heated. Non-flammable and non-toxic. Contains no ODCs. Available in pine scent or unscented formulas.



Loctite® Aqua Power® Biodegradable Cleaner & Degreaser

Penetrates, dissolves, and removes dirt and oil. Fast drying and residue-free. Environmentally friendly product is biodegradable, has low toxicity, no ODCs, and is non-corrosive/non-caustic.



Loctite® ODC-Free Cleaner & Degreaser

A non-aqueous, hydrocarbon-based solvent designed for cleaning and degreasing surfaces to be bonded with adhesives, as well as for general purpose industrial cleaning. Safe on aluminum, rubber, and most plastics, and will not cause flash rusting on water-sensitive parts. Dries residue-free. Contains no ozone-depleting compounds. (Formerly referenced as Loctite® 7070™).



Loctite® Pro Strength Degreaser

Quickly dissolves and removes grease, oil and dirt from iron, steel, aluminum, magnesium, copper, rubber, plastic, and concrete. Rinses off with water.



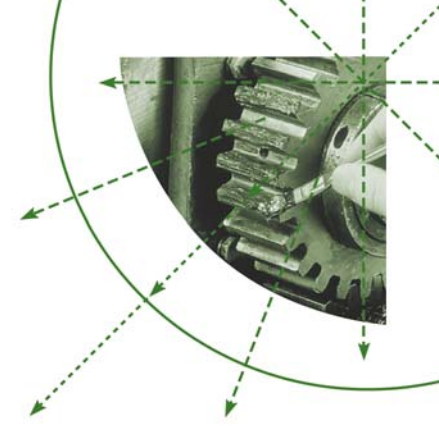
Loctite® Pro Strength Parts Cleaner

Aggressively penetrates, dissolves and removes oil and grease from parts. Dries quickly with no residue. Contains no ODCs.



Machining and Lapping

- Loctite® brand Clover® compounds allow final finishing of metal surfaces not practical with mechanical methods alone
- Available in petroleum-based grease mix or Pat Gel® water-based carrier

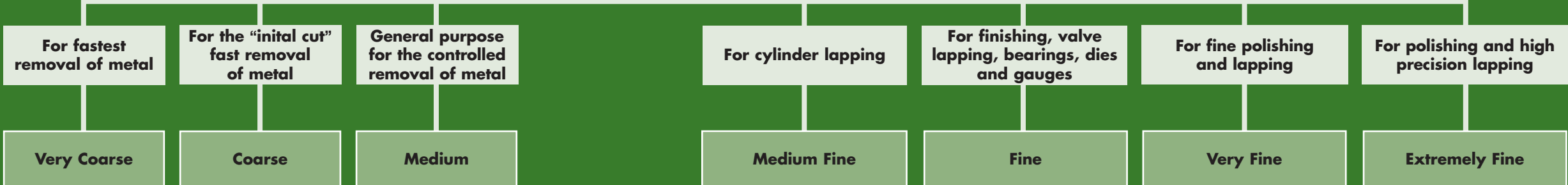


MACHINING AND LAPPING

Machining and Lapping Metals

- Helpful Hints:**
- The more coarse the compound, the faster the metal removal
 - The finer the compound, the smoother the finish will be

What type of metal removal is needed?



Grade	J	G	F	E	NC	D	C	B	A	1A	2A	3A	4A	5A	6A	7A
Grit	54	80	100	120	150	180	220	240	280	320	400	500	600	800	1,000	1,200
Average Particle Size of Abrasive Grains	1/1000 inches	18.00	15.00	6.80	5.60	4.80	2.60	2.48	1.75	1.28	0.90	0.68	0.56	0.38	0.20	0.12
	Microns (0.001 mm)	463	267	173	142	122	66	63	44	33	23	17	14	9	5	3
Loctite® Clover® Silicon Carbide Grease Mix 1 lb. can Part Number*	39483	39473	39463	39452	39499	39439	39426	39413	39401	39510	39523	39536	39549	39561	39574	39587
Loctite® Clover® Silicon Carbide Pat Gel® Water Mix 1 lb. can Part Number†	39488	39478	39468	39457	39504	39444	39431	39418	39406	39515	39528	39541	39554	39566	39579	39592

* Also available in 25 lb. pails and 100 lb. drums.
† Also available in 25 lb. pails.

Loctite® Clover® Silicon Carbide Grease Mix

The standard abrasive paste for fast metal removal. Produces a smooth, flat surface but not a polished one. Leaves a rust-preventing film on lapped surfaces.



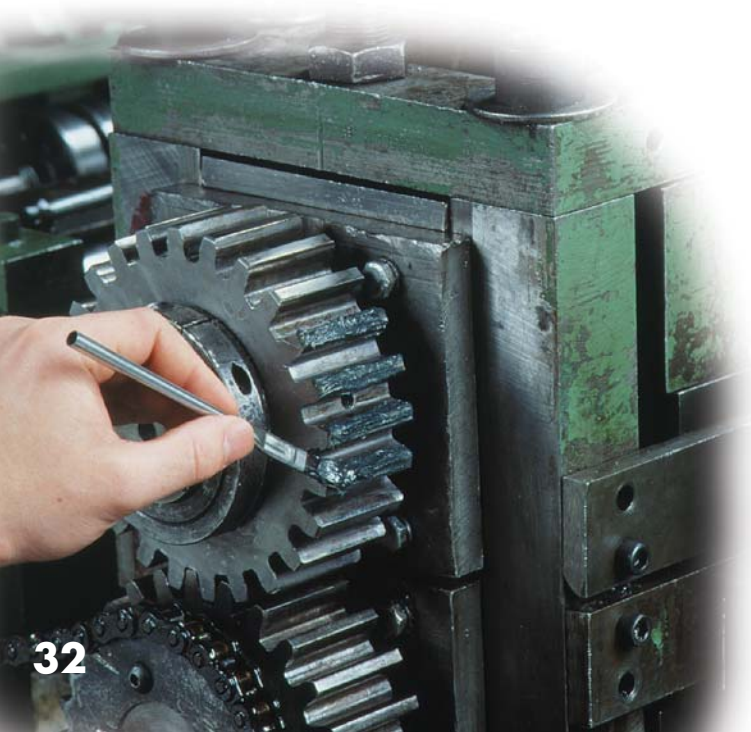
Loctite® Clover® Silicon Carbide Pat Gel® Water Mix

Paste formulation for fast metal removal. Biodegradable, recommended for applications where cleanup with water is required.



Loctite® Clover® Duplex Package

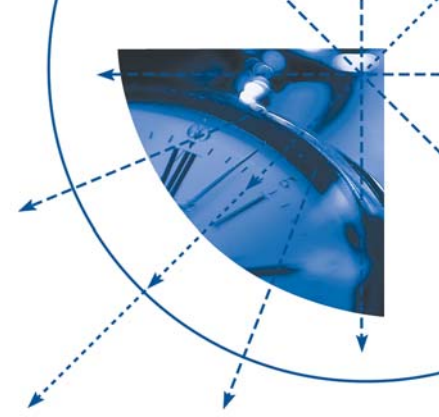
Silicon carbide grease mix in two convenient grit sizes 120 and 280. Contains 2 ounces of each.





Bonding

- Assemble parts quickly and easily
- Repair broken parts
- Bond dissimilar parts



Is your bond filling a void and does it need to be machinable?

Yes

No

Do you need chemical resistance?

What are you bonding?

Yes

No

Rubber

Porous

Metal/Non-Porous

Solution

Loctite® Fixmaster® Fast Cure Epoxy

Loctite® Fixmaster® Poxy Pak™

Loctite® 404™ Quick Set™ Instant Adhesive

Loctite® 380™ Black Max® Instant Adhesive

Loctite® 454™ Prism® Instant Adhesive

Loctite® Quicktite® Instant Adhesive Gel

Loctite® 330™ Depend® Adhesive

Color	Grey	Clear	Clear	Black	Clear	Clear	Amber
Fixture Time	10 min.	4-6 min.	20-40 seconds	90-150 seconds	15-90 seconds	5-30 seconds	1-2 min.
Temperature Resistance	Up to 180°F (82°C)	Up to 300°F (149°C)	Up to 180°F (82°C)	Up to 225°F (107°C)	Up to 180°F (82°C)	Up to 180°F (82°C)	Up to 250°F (121°C)
Common Sizes / Part Number	Can of 10 0.12 fl. oz. cups - 21425 Can of 10 1 oz. cups - 21426 4 pack 0.12 fl. oz. cups - 39088	1 fl. oz. syringe - 81120	1/3 oz. bottle - 46551 4 oz. bottle - 46548	3 g tube - 38004 1 oz. bottle - 38050	3 g tube - 45404 20 g tube - 45440	0.14 oz. bottle - 39202	25 ml syringe kit - 20251 250 ml tube kit - 20252 250 ml tube - 33058 300 ml cartridge - 33064

Additional Products

Product	Features
Loctite® Black Contact Adhesive	Flexible, resists gasoline, waterproof
Loctite® Contact Adhesive	Flexible, withstands freezing temperatures
Loctite® All Purpose Spray Adhesive	Water resistant spray
Loctite® Maximum Strength Headliner Adhesive	Resists extreme weather conditions
Loctite® Fixmaster® 4 Minute Epoxy	Translucent, fast curing
Loctite® Fixmaster® General Purpose Epoxy, Mixing Cups	Single use, bonds porous and non-porous surfaces
Loctite® Fixmaster® High Performance Epoxy	Fiberglass reinforced, shock resistant



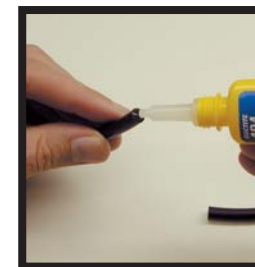
Loctite® Fixmaster® Fast Cure Epoxy – Mixer Cups

Premeasured epoxy mixer cups. Bonds in 5-15 minutes. Excellent chemical resistance. Fills porosities and can be used to build up worn parts. Ideal for bonding glass, hard plastics, rubber, and metal.



Loctite® Fixmaster® Poxy Pak™ – Fast Cure Epoxy

This fast-cure, high-strength, thick liquid reaches handling strength in 4-6 minutes. Bonds virtually any material to repair, fill and seal holes, cracks, and worn surfaces. ABS Approved.



Loctite® 404™ Quick Set™ Instant Adhesive

This general-purpose instant adhesive liquid is the one adhesive everyone needs in their toolbox for general maintenance and repair. It sets instantly. No clamping, no mixing, no waiting. Keep it handy to bond just about anything in an instant. Bonds rubber to rubber, i.e. making o-rings. ABS Approved.



Loctite® 380™ Black Max® Instant Adhesive

For parts that encounter shock, vibration or thermal cycling, Loctite® 380™ Black Max® Instant Adhesive is the instant adhesive choice. This black, toughened cyanoacrylate adhesive uses elastomers to withstand impact and challenging environmental conditions. Seals as well as bonds. Works especially well bonding rubber to metal.



Loctite® 454™ Prism® Instant Adhesive

The ideal adhesive for porous substrates, Loctite® 454™ Prism® Instant Adhesive is a clear gel. As a surface insensitive cyanoacrylate, it is ideal for difficult-to-bond substrates, including rough, porous and acidic surfaces. Need to bond something on a vertical surface? This gel formulation won't run off before you put substrates together. ABS Approved.



Loctite® Quicktite® Instant Adhesive Gel

A general purpose instant adhesive featuring an innovative, precision flow control applicator. This new, patented, "squeeze grip" applicator allows for pinpoint control of the exact amount and placement of the adhesive. It is also designed to be clog-free, so the adhesive is always ready-to-use.



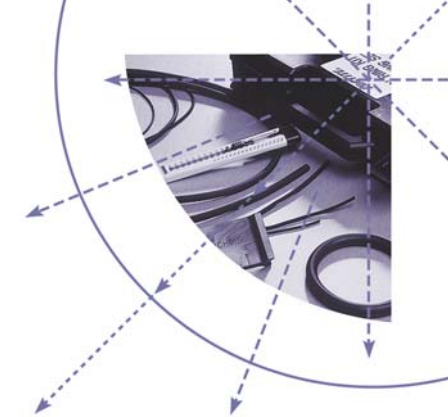
Loctite® 330™ Depend® Adhesive

Loctite® 330™ Depend® Adhesive sets in just minutes to a tough acrylic adhesive with high peel and impact strength. Bonds almost all combinations of materials, including glass. No-mix kit includes activator and adhesive.



Kits, Specialty, and 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



KITS, SPECIALTY AND EMERGENCY REPAIR PRODUCTS

Emergency Repair

Helpful Hints:

- Use Loctite® Fixmaster® Rapid Rubber Repair Dispenser with Loctite® Fixmaster® Rapid Rubber Repair Kit

Tool Kits

Replace or repair o-ring seals

Repair stripped threads

Stop pipe leaks

Fix damaged belts, conveyors, rubber parts

Solution

Loctite® Quick Service Toolkit

Loctite® Toolbox

Loctite® Reliability Tacklebox

Loctite® O-Ring Making Kit

Loctite® Form-A-Thread® Stripped Thread Repair Kit

Loctite® Pipe Repair Kit

Loctite® Rapid Rubber Repair Kit

Part Number	00101	38956	39062	00112	28654	2" x 6' tape - 96321 4" x 12' tape - 96322	96677
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Additional Products

Name	Part No.
Loctite® Maintenance Tacklebox	33486
Loctite® Manufacturing Reliability Toolbox	31362



Loctite® Quick Service Toolkit

This compact kit contains everything needed to solve the most common mechanical failures.

Kit contains: Loctite® 242® Threadlocker – Medium Strength, 10 ml; Loctite® 262™ Threadlocker – High Strength, 10 ml; Loctite® 7649™ Primer N™, 4.5 oz.; Loctite® 454™ Prism® Instant Adhesive, 3 g; Loctite® 660™ Quick Metal® Retaining Compound, 6 ml; Loctite® 565™ Thread Sealant, 50 ml; Loctite® 587™ Blue – High Performance RTV Silicone Gasket Maker, 70 ml; Loctite® 518™ Gasket Eliminator® Flange Sealant, 50 ml.



Loctite® Toolbox

A new product assortment containing more of our newer technologies and formulations.

Kit contains: Loctite® 220™ Threadlocker – Medium Strength/Wicking, 10 ml; Loctite® 222MS™ Threadlocker – Low Strength/Small Screw, 10 ml; Loctite® QuickStix™ 248™ Threadlocker – Medium Strength, 9 g; Loctite® QuickStix™ 268™ Threadlocker – High Strength, 9 g; Loctite® 2440™ Threadlocker – Primerless/Medium Strength, 10 ml; Loctite® 2760™ Threadlocker – Primerless/High Strength, 10 ml; Loctite® 518™ Gasket Eliminator® Flange Sealant, 50 ml; Loctite® 545™ Thread Sealant – Hydraulic/Pneumatic, 10 ml; Loctite® QuickStix™ 561™ PST® Pipe Sealant with PTFE, 19 g; Loctite® 565™ PST® Thread Sealant, 50 ml; Loctite® 587™ Blue – High Performance RTV Silicone, 70 ml; Loctite® 641™ Retaining Compound – Low Strength, 10 ml; Loctite® 660™ Quick Metal® Retaining Compound, 50 ml; Loctite® QuickStix™ C5-A® Copper Anti-Seize, 20 g; Loctite® 7649™ Primer N™, 1.75 oz. aerosol can.



Loctite® Reliability Tacklebox

Designed for the Manufacturing Reliability program.

Box contains: Loctite® 220™ Threadlocker – Medium Strength/Wicking, 10 ml; Loctite® 222MS™ Threadlocker – Low Strength/Small Screw, 10 ml; Loctite® 243™ Threadlocker – Medium Strength/Oil Resistant, 50 ml; Loctite® QuickStix™ 248™ Threadlocker – Medium Strength, 19 g; Loctite® QuickStix™ 268™ Threadlocker – High Strength, 19 g; Loctite® 515™ Gasket Eliminator® Flange Sealant – High Temperature, 50 ml; Loctite® 567™ PST® Thread Sealant, 50 ml; Loctite® 609™ Retaining Compound, 50 ml; Loctite® 660™ Quick Metal® Retaining Compound, 50 ml; Loctite® 7649™ Primer N™, 1.75 oz. aerosol can; Loctite® Instant Gasket, 7 oz. can; Loctite® QuickStix™ Silver Grade Anti-Seize, 20 g.



Loctite® O-Ring Making Kit

Eliminates the need for an inventory of different sized o-rings. Joints resist water and oil and are as strong as the rubber itself. Contains 3 ft. lengths of common diameters of Buna N cord, Loctite® 404™ Quick Set™ Instant Adhesive, o-ring fixture, blade, waterproofing solution, and cleanup solution.



Loctite® Form-A-Thread® Stripped Thread Repair Kit

Permanently repairs stripped threads and fasteners in five minutes (up to SAE Grade 5 English and 8.8 metric). Allows up to 128 lb. in torque and 300°F. Resists most shop fluids.



Loctite® Pipe Repair Kit

No tools required. Cures in 30 minutes. 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 fiberglass tape.



Loctite® Fixmaster® Rapid Rubber Repair Kit

Fast, long-term repairs to conveyor belts. 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 or torn conveyor belts and other rubber equipment.

Henkel Corporation
Industry and Maintenance

1001 Trout Brook Crossing
Rocky Hill, CT 06067
800.562.8483

www.henkel.us • www.loctite.com

Henkel Canada Corporation
Industry and Maintenance

2225 Meadowpine Blvd.
Mississauga, Ontario L5N 7P2
905.814.6511

800.263.5043 (within Canada)

