

LOCTITE[®]

Anti-Seize

Assembly Paste for Tough Environments



Excellence is our Passion



Trusted Partner in Assembly Solutions

At Henkel, we understand the challenges you face in maintaining and repairing industrial equipment. To make sure your operations run smoothly, you need the right people – and the right tools. LOCTITE offers maintenance, repair and overhaul solutions for all bonding, sealing, cleaning and lubricating tasks.

From years of experience we are well aware of your need to ensure high productivity while saving time, cutting costs and preserving your production assets. Whether it be engines, pumps or furnaces, maintenance operatives need to have the right technologies to efficiently repair and overhaul such equipment so as to keep it properly serviceable over its full lifetime.

Benefit from our competencies and improve your maintenance and repair outcomes:

- Increase reliability and avoid downtime
- Reduce maintenance time and frequency
- Improve safety
- Reduce costs

To effectively maintain or repair sophisticated and heavy-duty equipment, you need technologies that:

- Resist the toughest environments
- Comply with key industry standards
- Reliably prevent seizing, galling and cold welding

Find out how LOCTITE Anti-Seize products can make your daily maintenance activities more efficient.





Advanced Solutions

LOCTITE Anti-Seize compounds are premium quality products developed to protect metal parts from corrosion, galling and seizing. Due to their special composition they are suited to static and boundary friction conditions generated by a combination of low speed and high pressure.

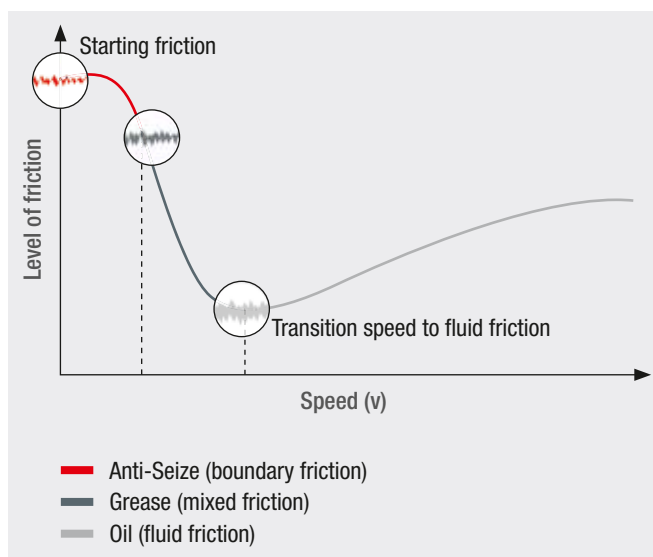
Each product contains a combination of solid lubricating agents resulting in different high temperature limits and lubricities. These are the two major factors in choosing the right Anti-Seize product for your application.

The range consists of standard, high-temperature metal-free grades, plus various options specifically developed for industries such as Food Processing, Marine or even Nuclear Power. All carry relevant approvals.

Our metal-free products utilise nonmetallic fillers that typically provide for a much higher temperature resistance and lubricity than available with metallic fillers.

Main Benefits of LOCTITE Anti-Seize Products

- Ease of assembly and disassembly
- Equipment protection in extreme temperature conditions
- Corrosion protection of mated metal parts
- Extended lifetime of expensive fittings
- Reduced downtime due to seizure
- Product approvals for specific industries (Nuclear, Food, Marine)





Anti-Seize in Your Environment

Taking your daily maintenance and repair tasks as our challenge, we have developed a portfolio to suit almost any application. Based on experience from industrial maintenance and repair tasks we can show you how Anti-Seize compounds are best used alongside other bonding, sealing, cleaning and lubricating products, for example in industrial pumps.

LOCTITE 5188
Sealant



LOCTITE 577
LOCTITE 572
Thread Sealant



LOCTITE 641
LOCTITE 648
Retaining Compounds



LOCTITE 2701
Threadlocking Adhesive



LOCTITE LB 8023 Marine Grade Anti-Seize prevents corrosion and seizure of gland assembly nuts, of the impeller mount on the shaft, of power end bolts, of dowel pins in the bearing frame, and more.

LOCTITE Anti-Seize products are high-value assembly pastes used to ensure that your equipment is protected from fretting, seizing and corrosion.

Our comprehensive device programs for pumps, shafts, centrifuges or gearboxes offer specific application and product solutions for your repair tasks. Find more information on these programs online and/or contact your Henkel Engineer. www.loctite.co.uk/maintenance





Typical Industries and Applications

Your industry's typical maintenance and repair challenges are covered by our industry programs. They include numerous application examples, references and case studies. Learn how your specific repair task has been solved in a comparable situation.

POWER PLANTS

Key challenges:

- High temperatures
- Steam
- Specific approvals for nuclear plants

Application cases:

- Gland studs from reactor top (Nuclear)
- Gasket protection on steam pipes
- Heat recovery boilers, steam turbines

TRANSPORTATION

Key challenges:

- High temperatures
- Outdoor environments
- Overhaul of trains and other industrial vehicles

Application cases:

- Turbo assemblies
- Connecting bolt between bogie and rail car
- Exhaust pipes

MINING AND QUARRYING

Key challenges:

- Wear
- High loads
- Outdoor and tough environments

Application cases:

- Ring and drum connections
- Crusher wear plates
- Drilling hammers

FOOD & BEVERAGE

Key challenges:

- Specific safety obligations
- Corrosive and acidic environments
- Humidity

Application cases:

- Slow-moving conveyor components
- Pumps and gearboxes

Product Selector Chart

PRODUCT	PROPERTIES							
	Package size	General characteristics	Special features	Lubricating solids	Colour	Temperature resistance	K-value	NLGI Class
GENERAL PURPOSE								
LOCTITE LB 8150	200ml tube, 500g, 1kg can	ALUMINUM General purpose aluminum assembly paste	Equipment repair and general maintenance for long-term assemblies	Aluminum, graphite, EP additives	Silver	-30°C to +900°C	0.18	1
LOCTITE LB 8151	400ml aerosol							
LOCTITE LB 8060	20g stick							
LOCTITE LB 8007	400ml aerosol	COPPER General purpose copper assembly paste	Cold weather resistant for year-round maintenance	Copper, graphite	Copper	-30°C to +980°C	0.16	0
LOCTITE LB 8008	113g, 454g brush top can							
LOCTITE LB 8065	20g stick							
HIGH PERFORMANCE								
LOCTITE LB 8009	454g brush top can, 3.6kg can	HEAVY-DUTY For applications requiring a copper- and nickel-free product	Superior protection for stainless steel and titanium	Graphite, calcium fluoride	Black	-30°C to +1,315°C	0.16	1
LOCTITE LB 8023	454g brush top can	MARINE Protection against fresh and salt water, outstanding water-washout resistance	For use in high-humidity conditions	Graphite, calcium, boron nitride, rust inhibitors	Black	-30°C to +1,315°C	0.18	1
LOCTITE LB 8012	454g brush top can	HIGH LOAD Protection of assemblies during running in period	For assemblies under low speed high load and vibrations, allows maximum clamping from available torque	MoS ₂ , rust inhibitors	Black	-30°C to +400°C	0.11	2
SPECIALTY								
LOCTITE LB 8013	454g brush top can	HIGH PURITY Very high purity and excellent lubrication	Especially developed for class 1, 2 and 3 power plant hardware	Graphite, calcium oxide	Grey	-30°C to +1,315°C	0.16	0
LOCTITE LB 8014	907g can	FOOD GRADE Meets NSF™ code H1 standards for incidental food contact	Prevents seizure, galling and friction in stainless steel and other parts	White oil, EP additives	White	-30°C to +400°C	0.13	0

APPLICATION DETAILS								Typical industries / applications
Extreme temperature resistance	Extreme chemical resistance	Low speeds, high loads	Electrically conductive	Metal-free	Aluminium / soft metals	Stainless steel		
			●		●		For industries such as transportation and power generation, petrochemicals and refineries. Including heat exchangers, steam lines, fittings of oil & gas burners and all standard assemblies.	
			●		●		For industries such as transportation and power generation. Including turbo assemblies, exhaust bolts, heat exchangers, steam lines, brake shoes and cams, wheel bolts and nuts and other standard assemblies.	
●	●		●	●	●	●	For industries such as petrochemicals and refineries, and for water treatment plants. Including catalyst beds, gearboxes, dowel pins and threads, alignment pins on centrifuges and all stainless steel applications.	
●				●	●	●	For industries such as water treatment plants, quarries and marine; for pump housings, turbine inlets, crushers, splines, bushings, gears, chains, pins. ABS approved	
		●		●		●	For industries such as mining and transportation. Including heavy train assembly, centrifuge and stainless steel applications, particularly with constant high-load exposure.	
●	●		●	●	●	●	For nuclear and fossil fuel power plants when minimum chlorides and sulfur are needed. Including reactor vessels, steam generators, turbines and boilers. PMUC approved	
				●	●	●	For the food processing industry, packaging plants, breweries and water treatment plants. Including conveyor components, critical pumps and gearboxes. NSF H1 approved	

● Preferred choice

● Good choice

LOCTITE®
BONDERITE®
TECHNOMELT®
TEROSON®
AQUENCE®

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