

LOCTITE PRODUCTS : HIGH PERFORMANCE ADHESIVES AND SEALANTS

Loctite product range offers unchallenged performance and consistency for even the most demanding applications in the automotive, microelectronics, aerospace and medical industries.

i Able Seal & Design is distributor of Loctite® products and will be happy to answer any questions you have.



Loctite Product Lines

Bonding	Cyanoacrylates
Cleaners and Degreasers	Gasketing & Sealing
Anaerobic Gaskets	Silicone Adhesives & Sealants
Lubricants	Anti-Seize
Retaining Compounds	Threadlocking with Loctite
Threadsealing with Loctite	

For successful bonding, knowledge of adhesive methodology is essential. The most frequent causes for adhesive failure do not involve adhesive strength. Rather, they are attributed to inadequate preparation of the substrates and improper adhesive selection.



The most important factor in proper adhesive selection is assessing the environment the adhesive must withstand. Once the environmental factors have been recognized, adhesive selection becomes more easily defined as other factors, such as joint design, substrates, load, stress cycles, etc., can often be varied or altered with minor design changes.

CYANOACRYLATES

Loctite® cleaners and degreasers are highly effective and are available in both aqueous and solvent-based formulations. When choosing a cleaner or degreaser, the major factors to consider are dry time, residue, odor, and substrate compatibility.



CLEANERS AND DEGREASERS

Technology from Henkel Corporation has made the productivity promises of cyanoacrylate adhesives (instant adhesives) a reality with the industry's widest selection of high-performance, application-specific, instant adhesives. Loctite® instant adhesives are available in a variety of viscosities, cure speeds, gap-filling capabilities, and substrate compatibilities.



GASKETING & SEALING

For successful gasketing, the seal must remain intact and leak-free over a prolonged period of time. Therefore, the gasket must resist the fluid and/or gaseous medium being sealed or excluded, and withstand the operating temperatures and pressures to which it is subjected.



ANAEROBIC GASKETS

Anaerobic gasketing technology has revolutionized flange sealing in the automotive industry, the assembly of heavy equipment, and the manufacture of various types of fluid power equipment. Loctite® anaerobic gasketing materials remain liquid when exposed to air, but cure when confined between mating flanges. Anaerobic gasketing products are best suited for small gap applications and rigid metal-to-metal assemblies.



SILICONE ADHESIVES & SEALANTS

Loctite® silicone gasketing materials include unique products with excellent fluid resistance, formulations for high operating temperatures and UV-curing formulations for cure-in-place production requirements. Silicone gasketing products are best suited for large gap applications and stamped metal assemblies where flange flexing occurs.



LUBRICANTS

Lubricants are substances used to reduce friction. Their primary function is to prevent metal-to-metal contact in tooling, dies or finished components. Examples include bearing applications, metal forming or metal removal.

Lubricants can be petroleum-based or water-based. Anti-Seize are substances that provide complete protection against rust, corrosion, seizing and galling as well as lubrication.



ANTI-SEIZE

Loctite® Anti-Seize products provide protection against rust, corrosion, seizing and galling as well as lubrication. Anti-seizes are typically the products of choice for high temperature applications because of their unique ability to provide protection in extreme temperature conditions.



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.

RETAINING COMPOUNDS

Loctite® retaining compounds fill the "inner space" between components and cure to form a strong precision assembly.

Formulated in a variety of viscosities, gap fills, flexibility, and strength characteristics, Loctite® retaining compounds can be applied with automated process equipment or dispensed manually.



THREADLOCKING WITH LOCTITE

Invented by Loctite Corporation, now Henkel Corporation, as a revolutionary method to lock and seal threaded fasteners, Loctite® liquid threadlockers have found wide acceptance in a range of applications - from delicate electronic components to heavy construction equipment.

Loctite® threadlockers are available in varying viscosities and strengths for virtually any application, including exposure to extreme environments. Patented, revolutionary QuickStix semi-solid formulas offer added convenience and portability.



THREADSEALING WITH LOCTITE

Loctite® liquid thread sealants seal and secure metal pipes and fitting, the space between threaded metal parts, and hardening to prevent leakage. Designed for low and high pressure applications, liquid thread sealants seal instantly for low pressure testing. When fully cured, they seal to the burst strength of most piping systems.



The new innovative semi-solid stick formula offers added convenience and portability for general maintenance and hard to reach applications.

Seal & Design Able Division

5533 Steeles Avenue West, Unit 11
Toronto, Ontario M9L 1S7
Ph: (416) 741-0750
Gasket@AbleSealAndDesign.com

Seal & Design Corporate Headquarters

4015 Casilio Parkway
Clarence, NY 14031
Ph: (716) 759-2222
Info@SealAndDesign.com

Seal & Design Higbee Division

6741 Thompson Rd N
Syracuse, NY 13221
Ph: (315) 432-8021
Sales@Higbee-Inc.com

