



LOCTITE EXTREME TEMPERATURE SEALANTS

Liquid gaskets designed to take the heat

LOCTITE® NS 5540 and NS 5550 prevent leaks in the harshest conditions.

LOCTITE® NS 5540 and NS 5550 are thermally activated sealing compounds that are specifically designed for use in high temperature and high-pressure environments. These products cure in the presence of heat to form a mechanical seal on metal-to-metal flanges and fittings, and are designed to allow for disassembly for future maintenance and repairs. Both products can also be used as a gasket dressing to augment traditional gaskets and extend their useful life.

Loctite NS 5540 and NS 5550.

High temperature.
High pressure.
High performance.

From power plants to steel mills to refineries, high temperature sealants from LOCTITE® are built for performance.

LOCTITE® NS 5540 and NS 5550 sealants are suitable for sealing steam, hydrocarbons, gases and other process fluids in high pressure, high temperature environments such as those found in power generation facilities, pulp and paper mills, mines, oil and gas refineries, etc. They're reliable, easy to use and are backed by Henkel's sales and technical support.



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Suitable for high pressure steam applications, LOCTITE® NS 5540 brushable liquid can seal flanges carrying up to 2900 psi (200 bar) steam at temperatures up to 1300°F/700°C.



LOCTITE® NS 5550 is a fibrous paste sealant designed for high temperature (up to 1500°F/815°C) and high pressure applications (up to 5000 psi/340 bar).

BENEFITS

- Seal to extreme temperatures
- High pressure applications, including steam
- Allow for easy disassembly for future service/repairs
- Chemical resistance to solvents, oils, acids, hydrocarbons and steam resistance
- Not affected by thermal cycling

TYPICAL APPLICATIONS

Turbine split casings, pump casings, boilers, steam traps, ductwork, stacks, heat exchangers, exhaust systems

LOCTITE® Extreme Temperature Sealants Properties Chart

Product	Appearance	Viscosity, mPa*	Operating Temperature	Pressure Resistance	Cure Method	Chemical Resistance**	Part No. / Container
NS 5540	Brown Liquid	48,450	100-1300°F / 38-700°F	2900 psi / 200 bar	Heat	Excellent	xxxxxx / 0.473 Liter can xxxxxx / 0.946 Liter can
NS 5550	Brown Paste	1,910,000	500-1500°F / 260-815°C	5000 psi / 340 bar	Heat	Good	xxxxxx / 0.946 Liter can

*Brookfield DV-E **Refer to TDS

Henkel Coporation Engineering Adhesives

