

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 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 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.

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.



Henkel



LOCTITE NS 5540 is suitable for high pressure steam applications, this brushable liquid can seal flanges carrying up to 200 bar (2900 psi) steam at temperatures up to 700°C.



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

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·S*	Operating Temperature	Pressure Resistance	Cure Method	Chemical Resistance**	Container
NS 5540	Brown Liquid	48,450	38 – 700°C	200 bar/ 2900 psi	Heat	Excellent	430g can 850g can
NS 5550	Brown Paste	1,910,000	260 – 815°C	340 bar/ 5000 psi	Heat	Good	1kg can

*Brookfield DV-E **Refer to TDS

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Visit our YouTube channel
to watch our products in action.

The data contained herein are intended as reference only. Please contact Henkel Technical Support Group for assistance and recommendation on specifications for these products.

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