

Anaerobic adhesives for stainless steel

Anaerobic adhesives are liquid resins designed to cure in contact with metal substrate when air is absent. The adhesive, applied on metal, provides even stress distribution on the full joint surface.

Stainless steel is an iron alloy resistant to corrosion. Adhesion on stainless steel is not easy and cure time is longer than with other iron surfaces.

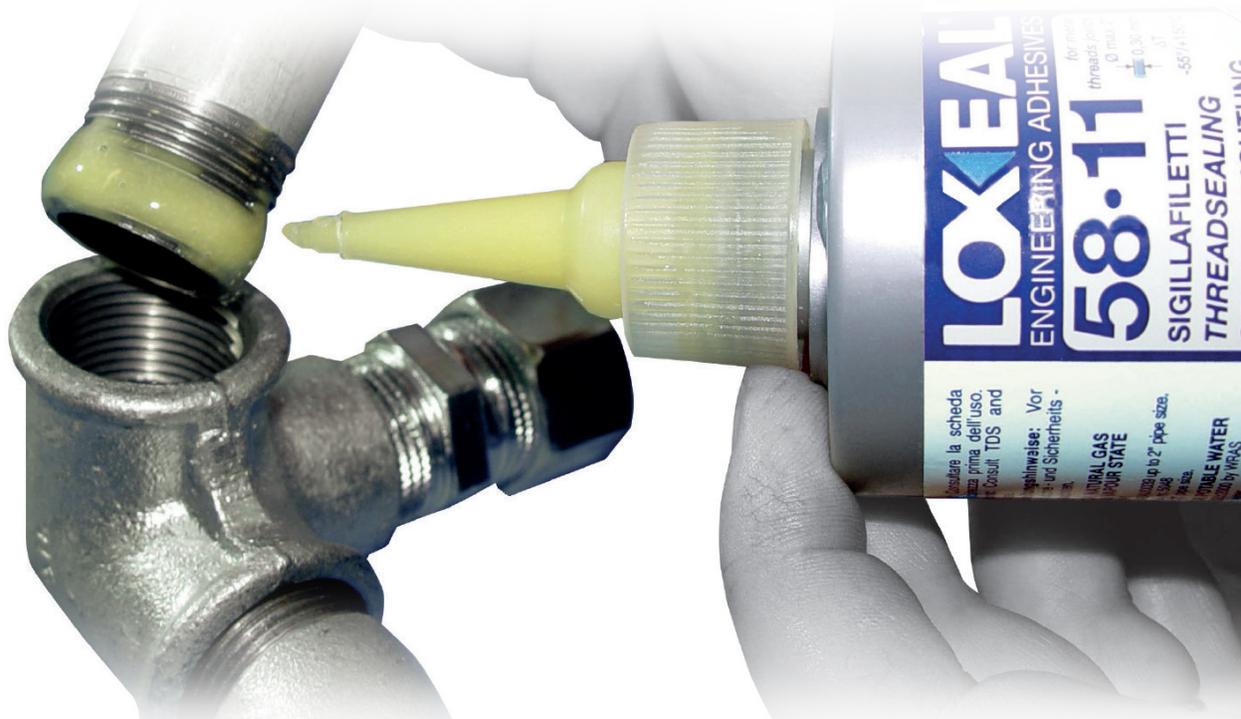
Loxéal offers a wide range of high performing anaerobic adhesives to seal and lock also such substrate.

Benefits

- Sealing and locking threads and cylindrical assemblies and gasketing flat mating surfaces.
- Replacing traditional system as hemp and PTFE tapes, mechanical washers and retainers, welding, paper and plastic gaskets.
- 3 grades of locking strength: (low to dismantle), medium (possible to dismantle), high (permanent locking) and with different cure time.
- Lubricating for easier assembly and preventing fretting corrosion.
- Resistant to pressure, temperature and vibration, to gas, air, oils, hydrocarbons and many chemicals.
- Approved according to various international standards, such as: DVGW, NSF, WRAS, TZW, BAM, GLOBAL MARK.

Applications

- Hydraulic
- MRO
- Mechanics
- Robotics



Choosing Loxéal products means durability, reliability, cost effectiveness and energy efficiency.



Anaerobic adhesives for stainless steel

THREADSEALING

Product	Description	Locking torque (N m)*	Fixture time (minutes)*	Homologation
58-11	Removable sealing paste. Impact, vibrations and thermal shocks resistant.	10	5	Gas DVGW - GPL high pressure AGA oxygen BAM - potable water WRAS food NSF P1
83-05	Fluid, fast curing sealant. High mechanical resistance	35	5	-
83-50	Fast curing sealant. High mechanical resistance	32	5	Gas DVGW potable water WRAS
85-86	High performant sealant. High temperature resistant up to +200°C	34	5	Gas and potable water DVGW-TZW potable water WRAS - oxygen BAM

THREADLOCKING

Product	Description	Locking torque (N m)*	Fixture time (minutes)*	Homologation
55-03	Removable threadlocker. Suitable on oily surfaces, high temperature resistant up to up to +200°C	7	3	Gas and potable water DVGW-TZW

RETAINING

Product	Description	Locking torque (N m)*	Fixture time (minutes)*	Homologation
86-86	High viscosity retainer and sealant for permanent locking, high temperature resistant up to up to +230°C	36	6	GAS DVGW

GASKETING

Product	Description	Locking torque (N m)*	Fixture time (minutes)*	Homologation
58-31	High performance liquid gasket. Shocks, vibrations and oil resistant, keep sealing in a temperature range from -55°C to +180°C.	-	5	-

*Typical curing properties tested at + 25°C on stainless steel nuts and bolts.

