

Anaerobic Adhesives for Stainless Steel

Anaerobic adhesives are liquid resins designed to cure in contact with metal substrates 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.

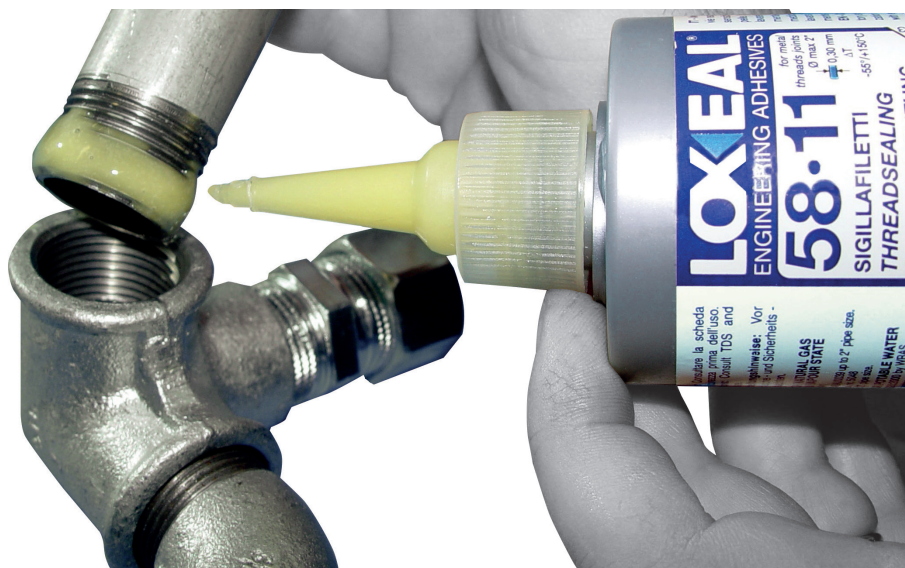
Loxeal offers a wide range of high performing anaerobic adhesives to seal and lock also such substrate.

Key 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 and paper and plastic gaskets
- 3 grades of locking strength: low (easy 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, water, oils, hydrocarbons and many chemicals
- Approved according to various international standards, e.g. DVGW, NSF, WRAS, TZW, BAM, GLOBAL MARK

Main Applications

- Idraulics
- MRO
- Mechanics
- Robotics



**Choosing Loxeal products means durability and reliability,
cost effectiveness and energy efficiency**

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Anaerobic Adhesives for Stainless Steel: Product Selection

THREADSEALING

Grade	Description	Locking torque (N m)*	Fixture time (minutes)*	Approval
58-11	Removable sealing paste. Impacts, 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

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

RETAINING

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

GASKETING

Grade	Description	Locking torque (N m)*	Fixture time (minutes)*	Approval
58-31	High performances 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

Are you looking for specific features? Do you need our technical support?
Contact us! www.loxeal.com - +39 0362 5293.1 - sales@loxeal.com