

LOXEAL®

ENGINEERING ADHESIVES



Selection
Chart

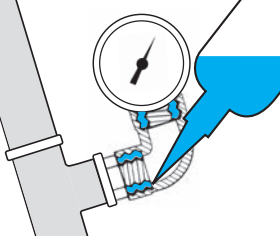


USER FRIENDLY

	55-02	58-12	83-52
	Threadlocker, medium strength	Threadsealant, medium strength	Threadlocker, high strength
Diameter - Maximum gap (mm)	M36 - 0,25	2" - 0,30	M20 - 0,15
Breakaway Torque M10 (N. m)	18 - 25	18 - 24	25 - 35
Temperature Range °C	-55 +150	-55 +150	-55 +150

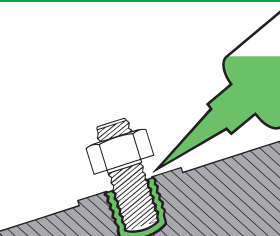
Threadsealing

Anaerobic adhesives to seal and lock threaded pipe joints. Ideal for replacing hemp and PTFE tapes. Highly heat and vibration resistant. Certified and approved by international certification authorities.

	18-10	53-14	55-37	58-11	83-50
	Removable pipe sealant Approved for gas and potable water AGA - DVGW	Suitable for small pneumatic and hydraulic fittings Approved for gas DVGW	Flexible copper and brass fittings Approved for gas DVGW	Semipermanent pipe sealant Approved for gas, oxygen and potable water AGA - BAM DVGW - WRAS - NSF GLOBAL MARK	Permanent High temperature resistant Approved for gas and potable water DVGW - WRAS
Diameter - Maximum gap (mm)	2" - 0,30	3/4" - 0,15	1 1/2" - 0,25	2" - 0,30	3/4" - 0,20
Breakaway Torque M10 (N. m)	6 - 11	12 - 18	15 - 32	18 - 24	25 - 35
Temperature Range °C	-55 +150	-55 +150	-55 +150	-55 +150	-55 +200

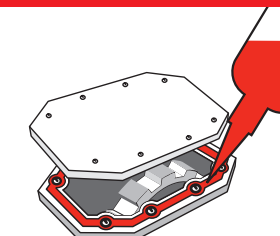
Threadlocking

Anaerobic adhesives to lock studs, nuts, screws and any threaded fasteners. Prevent loosening caused by vibration, mechanical and thermal shocks and prevent thread seizure and galling.

	24-18	55-03	70-14	83-54	86-72
	Removable Vibration and shock resistant	Nut locking Oily surfaces tolerant Approved as sealant for gas and potable water DVGW - TZW	Medium to high strength locking Locks and seals threaded fasteners and close fittings	Permanent Multipurpose Temperature resistant up to 200°C	Very high temperature resistant Approved as sealant for gas DVGW
Diameter - Maximum gap (mm)	M24 - 0,20	M36 - 0,25	M5 - 0,07	M20 - 0,15	M56 - 0,30
Breakaway Torque M10 (N. m)	5 - 8	18 - 23	10 - 25	25 - 35	25 - 35
Temperature Range °C	-55 +150	-55 +200	-55 +150	-55 +200	-55 +230

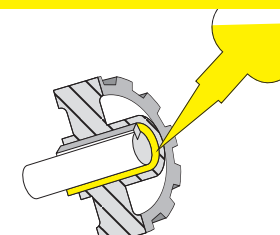
Liquid Gasketing

Anaerobic adhesives to seal flat mating surfaces and join flanges on pumps, gearboxes and housings. Prevent the sealing from creeping or relaxation. Form a flexible gasket resistant to vibration, heat, oil and other industrial liquids.

	28-10	58-14	58-31	59-10	59-30
	Elastic Flexible flanges Controlled gaps	Gear boxes General purpose	Flexible High adhesion High dynamic loads	High temperature Rigid flanges Large gaps	Elastic High temperature RTV Silicone
Diameter - Maximum gap (mm)	0,30	0,50	0,50	0,50	1 - 5
Adhesive Strength (N/mm2)	2 - 4	5 - 8	7 - 10	6 - 8	1 - 2
Temperature Range °C	-55 +150	-55 +150	-55 +180	-55 +200	-60 +250

Retaining

Anaerobic adhesives to lock and fit bushes, bearings, sleeves, pin hubs, pulleys, gears and other cylindrical components. Allow large machine tolerance, reducing manufacturing costs.

	53-11	82-33	83-21	85-21	89-51
	Removable Bearing retainer	Permanent Precise connections Oily surface tolerant	Fast setting High strength Approved for gaseous oxygen BAM	High strength Large gaps Approved for gas GAZ DE FRANCE	High viscosity Repairs worn shaft and damaged threads
Diameter - Maximum gap (mm)	0,12	0,10	0,15	0,20	0,30
Shear Strength (N/mm2)	8 - 12	17 - 22	25 - 35	25 - 35	25 - 30
Temperature Range °C	-55 +150	-55 +150	-55 +175	-55 +150	-55 +150

Instant Adhesives

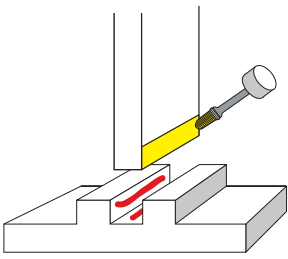
Cyanoacrylate adhesives for structural and instant bonding of flexible or rigid surfaces made from a wide range of materials: rubber, metals, ceramic, leather and many plastics.



	14 Metal-rubber, metal-plastic, ceramics Methyl grade	43S Multipurpose Ethyl grade	47 Gel Non-sag Suitable for use on vertical surfaces Ethyl grade	54 For bonding rubbers, plastics and metals where prolonged heat exposure is required Ethyl grade	63 Low odor Non-blooming Alcoxy grade
Fixture Time (seconds)	4 - 8	2 - 4	10 - 20	5 - 15	8 - 15
Temperature Range °C	-50 +80	-50 +120	-50 +120	-50 +120	-50 +80

Surface Conditioners

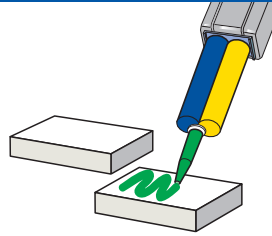
Primer, cleaner and activators to speed up curing of anaerobic and cyanoacrylate adhesives.



	7 Primer For cyanoacrylate bonding of Polyolefins, Silicone and PTFE	9 Activator Instant setting of cyanoacrylate adhesives in difficult conditions	CR1 Remover Solvent for cured cyanoacrylate adhesives	10 Cleaner General purpose cleaner for metals and plastics	11 Activator Sets in seconds anaerobic adhesives
--	---	---	--	--	--

Two-Part Epoxies

Ideal for high-strength structural bonding, suitable for bonding metals, ceramics, wood and some plastics.



	31-40 Multipurpose Pot life 15-20 min. Colorless	31-42 Multipurpose Pot life 5 minutes Colorless	35-44 Flexible tough Clear Pot life time 10-20 min.	36-10 High strength Multipurpose Pot life 90-150 min.	4401 Toughened Semi-flexible High temperature resistant
Shear Strength (N/mm ²)	10 - 12	12 - 14	5 - 9	12 - 18	20 - 30
Temperature Range °C	-40 +80	-40 +80	-40 +80	-40 +80	-40 +120 (+140)

UV Curing Adhesives

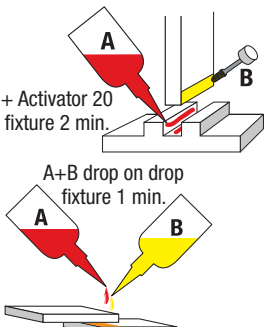
Designed to bond glass, crystal, metals and some plastics, they cure during exposure to ultra violet light in a matter of seconds.



	30-11 For plastics Approved ISO 10993 for medical applications	30-20 Multipurpose Glass and crystal bonding Colorless	30-21 High strength For crystal furniture, glass and metal	30-23 High strength Very low viscosity Ideal for use in glass furniture manufacturing Optically clear	30-60 Gel Non-drip For glass and crystal bonding
--	---	---	--	---	---

Acrylic Adhesives

Two-part adhesives, providing high strength and flexible bonding and curing at room temperature.



	30-55 Adhesion to a wide variety of substrates Fast cure at room temperature To be used with Loxeal Activator	33-47 Two-component adhesive No mix application Versatile performance capabilities	3459 Gel formulation to be used with Loxeal Activator Very rapid fixture time	3460 Two-part adhesive For Polyolefins and other plastics bonding No primer required
--	--	---	---	---

Production Facilities, Branch Offices & Warehouses

Loxéal Italy
20811 Cesano Maderno, MB



Loxéal Italy
20826 Misinto, MB



Loxéal USA
Pottstown, PA



Loxéal China
Shanghai



Loxéal Spain
Madrid

Certifications and Approvals



LOXEAL®
ENGINEERING ADHESIVES

Loxéal Srl

Via Marconato, 2 - 20811 Cesano Maderno MB - Italia

Tel. +39.0362 5293.1 - Fax +39.0362 524225

www.loxeal.com