

LOXEAL[®]

ENGINEERING ADHESIVES

THREADLOCKING

For locking studs, nuts, screws and all threaded fasteners. Loosing from vibration or shock is prevented and thread corrosion is eliminated. They seal against leakage of oils, water, liquid and gas.



PRODUCT	Class of locking	Max. diameter of thread	Max. gap filling	Viscosity 25°C mPa.s (LT - MT - HT)	Color	Curing time		Locking torque N.m		Shear strength N/mm ²	Temperature range (°C)
						handling (minutes)	functional (hours)	breakaway	prevailing		
24-18	1	15/16"	0,20mm-.008"	800-1400 MT	Purple/F*	15-30	1-3	5-8	2-5	3-5	-55+150
54-03	2	15/16"	0,20mm-.008"	900-1500 MT	Blue/F*	10-20	1-3	14-20	4-9	8-12	-55+150
55-03	2	1-13/32"	0,25mm-.010"	1700-9000 MT	Blue/F*	10-20	1-3	18-23	9-16	9-13	-55+200
55-04	2	1-13/32"	0,25mm-.010"	1500-8600 MT	Red/F*	10-15	1-3	20-25	40-50	10-15	-55+150
83-55	3	25/32"	0,15mm-.006"	450-650 LT	Red/F*	10-20	1-3	25-35	50-65	15-20	-55+150

LOXEAL[®] ENGINEERING ADHESIVES **LOCTITE**

PRODUCT	EQUIVALENT	DESCRIPTION	SIZES			
24-18	222	Anti vibration	10 ml	50 ml	250 ml	1 l
54-03	242	General purpose				
55-03	243	High temperature				
55-04	262	Fills large gaps				
83-55	271	For oily surfaces				

THREADSEALING 18-10 - REPLACE P.T.F.E. TAPE AND YARN

For sealing of metal thread pipe joints. Suitable for gas, LP gas, compressed air, gasoline and oil, industrial fluids, CFC, water and several chemicals. Shock and vibration resistant.



PRODUCT	Class of locking	Max. diameter of thread	Max. gap filling	Viscosity 25°C mPa.s (LT - MT - HT)	Color	Curing time		Locking torque N.m		Shear strength N/mm ²	Temperature range (°C)
						handling (minutes)	functional (hours)	breakaway	prevailing		
18-10	1	2"	0,30mm-.012"	17000-70000 HT	White	20-40	1-3	6-11	2-5	4-6	-55+150

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PRODUCT	EQUIVALENT	DESCRIPTION	SIZES	
18-10	565 & 572	High viscosity	50 ml	250 ml

LEGEND

CLASS OF LOCKING:

- 1- Low, easy to dismantle
- 2- Medium, possible to dismantle
- 3- High, permanent locking

VISCOSITY BROOKFIELD:

- HT- High thixotropy
- MT- Medium thixotropy
- LT- Low thixotropy

LOCKING TORQUE:

- Bolt M10 x 20
- Quality 8,8
- Nut = 0,8d

COLOR:

- F* = Fluorescent under blue light

RETAINING 86-86 - APPROVED FOR GAS AND HIGH TEMPERATURE

To fit bearings, bushes, pulleys, gears, keys, splines and other cylindrical components. It strengthens press fitted parts, allow the use of sliding fits in place of interference fits, allow larger machining tolerances, eliminate distortions, fretting corrosion and improve reliability. It seals against liquids leakage.



PRODUCT	Class of locking	Max. diameter of thread	Viscosity 25°C mPa.s (MT - HT)	Color	Curing time		Locking Torque (ISO 10964) N.m		Shear strength ISO 10123 N/mm ²	Temperature range (°C)
					handling (minutes)	functional (hours)	Breakway	Prevaling		
86-86	3	2-3/16"	5000-35000 MT	Green/F*	20-40	3-6	25-30	40-70	10-20	-55+230

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PRODUCT	EQUIVALENT	DESCRIPTION	SIZES	
86-86	620	High temperature	50 ml	250 ml

GASKETING 58-14

For gasketing and sealing of flanges. It replaces solid gaskets and gives flexible cured films. To seal against gases, water, LPG, hydrocarbons, oils and other chemicals. Thixotropic property prevents migration of the sealant before or during curing. Shocks and vibrations resistant.



PRODUCT	Class of locking	Max. gap filling	Viscosity 25°C mPa.s (MT - HT)	Color	Curing time		Adhesive strength			Temperature range (°C)
					handling (minutes)	functional (hours)	shear ISO 10123 N/mm ²	tensile ISO 6922 N/mm ²	impact ASTM D-950 N.mm/mm ²	
58-14	2	0,50mm-.020"	28 000-100 000 HT	Orange/F*	15-30	3-6	5-10	5-8	3-5	-55+150

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PRODUCT	EQUIVALENT	DESCRIPTION	SIZES	
58-14	574	General purpose	75 ml	250 ml

INSTANT CYANOACRYLATE ADHESIVE IST 23

For bonding rubber, metal and plastic parts.

TWO PART EPOXY ADHESIVE 31-42

For structural bonding of many materials: metals, ferrite, ceramic, marble, glass, concrete, wood and some plastics (polyester, ABS, rigid PVC). **NOT** suitable for rubber, soft materials, polyethylene, polypropylene and PTFE. Well resistant to water, gasoline and oils.

GRADE	Chemical composition	Specific gravity	Viscosity (20°C mPa.s)	Gap filling (microns)	Speed of cure*	Tensile strength ISO 6922 N/mm ²	Shear strength ISO 4587 N/mm ²
IST 23	Ethyl	1,06	40-80	10-60	3	12-25	13-18

PRODUCT	Characteristics	Color	Viscosity 25°C Pa.s	Curing time		Adhesive strength	
				Handling time (minutes)	Functional	Shear strength (ASTM D1002) N/mm ²	Peel strength (ISO 4578) N/mm
31-42	Fast curing	Colourless	12-18 15-30	3-8	20-30 min	12-14	4-20



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PRODUCT	EQUIVALENT	DESCRIPTION	SIZES
IST 23	495	General purpose	20 gr



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PRODUCT	EQUIVALENT	DESCRIPTION	SIZES	
31 - 42	3422	Tough, very fast	25 ml	50 ml

