

Liquid seals/adhesives



Loxeal anaerobic adhesives/seals

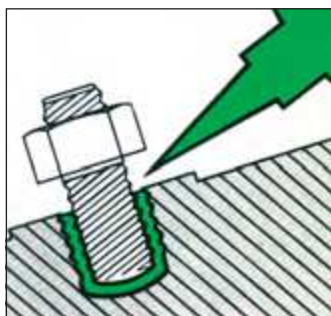
Function: These liquid polymeric materials undergo curing together with metals in a hermetically sealed environment. They find applications in securing, mounting and sealing threaded connections, surface joints and joint connections.
Note: Passive surfaces, such as stainless steel, chrome, nickel, zinc or plastic, should be pre-treated with AKTIVATOR to ensure optimum adhesion.

Loxeal and **LOCTITE** thread seals

Type	Type	Packing	Temperature	Max. gap	Break-out torque	Function
Loxeal	Loctite*	ml	range	mm	Nm	
18-10/50	511/50	50	-55°C to +150°C	0.30	6-11	Tube seal up to 2" with PTFE, approved for gas (DVGW) and drinking water (KTW, WRAS)
18-10/250	511/250	250	-55°C to +150°C	0.30	6-11	
53-14/10	542/10	10	-55°C to +150°C	0.15	12-16	Tube seal up to 3/4" moderately stiff for hydraulic and pneumatic fittings, approved for gas (DVGW)
53-14/50	542/50	50	-55°C to +150°C	0.15	12-16	
53-14/250	542/250	250	-55°C to +150°C	0.15	12-16	
55-37/50	---	50	-55°C to +150°C	0.25	18-22	Flexible seal to 1 1/2", approval for gas (DVGW) and water (KTW)
55-37/250	---	250	-55°C to +150°C	0.25	18-22	
58-11/50	577/50	50	-55°C to +150°C	0.50	18-22	Tube seal up to 3" moderately stiff, approved for gas (DVGW up to 2"), water (WRAS) and oxygen (BAM)
58-11/250	577/250	250	-55°C to +150°C	0.50	18-22	
85-86/50	620/50	50	-55°C to +200°C	0.30	28-36	High-strength sealant up to 2", approved for gas (HSE) and drinking water (KTW), Loctite without approvals
85-86/250	620/250	250	-55°C to +200°C	0.30	28-36	

* Similar properties, see page 555 and on for technical data or request that information from us

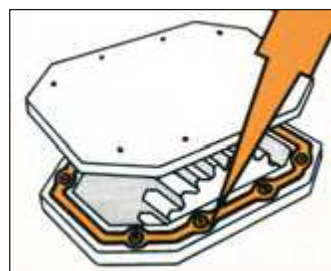
Loxeal and **LOCTITE** screw-type locker



Type	Type	Packing	Temperature	Max. gap	Break-out torque	Function
Loxeal	Loctite*	ml	range	mm	Nm	
24-18/50	222/50	50	-55°C to +150°C	0.20	5-8	Low strength to M 24, vibration resistant
24-18/250	222/250	250	-55°C to +150°C	0.20	5-8	
55-03/10**	243/10	10	-55°C to +150°C	0.25	18-23	Medium strength to M 36, for oily surfaces, approved for gas (DVGW) and water (WRAS)
55-03/50**	243/50	50	-55°C to +150°C	0.25	18-23	
55-03/250**	243/250	250	-55°C to +150°C	0.25	18-23	
83-05/50***	---	50	-55°C to +200°C	0.50	20-30	High-strength up to M56 screw and thread sealant for stainless steel and passive materials without the use of an activator
83-05/250***	---	250	-55°C to +200°C	0.50	20-30	
70-14/50	290/50	50	-55°C to +150°C	0.07	15-25	
70-14/250	290/250	250	-55°C to +150°C	0.07	15-25	
---	2701/10	10	-55°C to +150°C	0.15	25-35	High-strength up to M 20 for mounting bolts, nuts and pins.
---	2701/50	50	-55°C to +150°C	0.15	25-35	
---	2701/250	250	-55°C to +150°C	0.15	25-35	
86-72/50**	272/50	50	-55°C to +230°C	0.30	25-35	High-strength to M 56, high temperature resistant, approved for gas (DVGW)
86-72/250**	272/250	250	-55°C to +230°C	0.30	25-35	

* similar properties, technical data see starting on page 554 or request this from us ** can also be used as thread sealing *** can also be used as joint connection

Loxeal and **LOCTITE** face seals

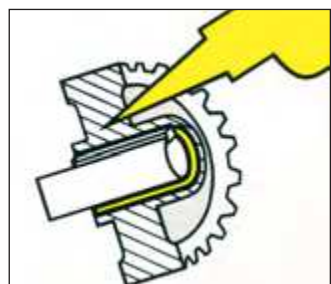


Type	Type	Packing	Temperature	Max. gap	Tensile strength	Function
Loxeal	Loctite*	ml	range	mm	N/mm ²	
28-10/75	573/50 ¹⁾	75	-55°C to +150°C	0.30	2-4	Flexible for precise connections
28-10/250	573/250	250	-55°C to +150°C	0.30	2-4	
58-14/75	574/50 ¹⁾	75	-55°C to +150°C	0.50	5-8	Flexible to fill medium gaps
58-14/250	574/250	250	-55°C to +150°C	0.50	5-8	
58-31/75	518/65 ²⁾	75	-55°C to +180°C	0.50	7-10	Hardens quickly, resistant to strong vibrations
58-31/250	518/300 ³⁾	250	-55°C to +180°C	0.50	7-10	
59-20/310	510/300 ³⁾	310	-55°C to +180°C	3.0	1.8-3	On a silicone basis, oil resistance, for large gap filling

* Similar properties, see page 555 and on for technical data or request that information from us

¹⁾ Packing 50 ml, ²⁾ Packing 65 ml, ³⁾ Packing 300 ml

Loxeal and **LOCTITE** joint connections



Type	Type	Packing	Temperature	Max. gap	Pressure shearing resistance	Function
Loxeal	Loctite*	ml	range	mm	N/mm ²	
53-11/50	641/50	50 ml	-55°C to +150°C	0.12	8-12	removable
82-33/50	603/50	50 ml	-55°C to +150°C	0.10	17-22	For fits with oily surfaces
82-33/250	603/250	250 ml				
83-21/10	648/10	10 ml	-55°C to +175°C	0.12	25-35	High-strength, fast hardening
83-21/50	648/50	50 ml				Approved for oxygen (BAM)
83-21/250	648/250	250 ml				
89-51/75	660/50 ¹⁾	75 ml	-55°C to +150°C	0.50	25-30	Renewal of worn shafts and threads

* Similar properties, see page 556 and on for technical data or request that information from us

¹⁾ Packing 50 ml

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.