

RITE-LOK™

Anaerobic Adhesives

Tighten

Seal &

Secure



Bottles and tubes of productivity for threadlocking, sealing, retaining, and gasketing

When you need secure tight fits and seals to keep production up and running, Rite-Lok™ Anaerobic Adhesives offer a wide selection of properties to help you save the time and cost of disruptive, unscheduled downtime due to leaks and loose fasteners.

For threadlocking, sealing, retaining, and gasketing, application is fast and easy with just a targeted squeeze of a bottle or tube. In the absence of oxygen and in the presence of metal, the anaerobic formulation cures quickly to a tough plastic that fills, seals, and secures.



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Rite-Lok™ Threadlockers



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Apply to nuts, bolts, and screws to prevent loosening from vibration and impact in such applications as gear housings and motor mounts.

- Fill and seal threads completely to help stop corrosion, rust, and leaks
- Securely hold dissimilar metals
- Choice of break and prevailing strengths

Rite-Lok™ Pipe Sealants



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Rite-Lok™ Retaining Compound



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Bond and seal non-threaded, co-axial components such as bearings, gears, shafts, cylinder liners, and rotors.

- Tighten tolerances in worn bearing seats, keys, splines, tapers, shims, gears, and shafts
- Increase load bearing characteristics of cylindrical joints to reduce assembly stresses and cost
- Prevent fretting and corrosion

Rite-Lok™ Gasket Makers



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Fill and seal voids between metal flanges to eliminate pre-cut or compression gaskets.

- Securely seal dissimilar metals without shrinkage
- Allow metal-to-metal clamping without shimming effect or creeping
- Excellent pressure and solvent resistance
- Save time and work of re-torquing

Replace traditional PTFE tapes and dope for instant sealing without shredding, evaporation, or shrinkage; prevents galling.

- Seals and helps prevent the waste and mess of leaking hydraulic fluids, oil, fuel, and lubricants
- Resists pressure, vibration, and temperature cycling
- Apply to any pipe size, reducing the inventory of multiple size, easy-to-damage O-rings

Product Selection

Product	Typical Use	Color	Typical Viscosity (cps)	Temperature Range	Time to Handling	Full Cure (hours)	Size
Threadlocker Anaerobic Adhesives							
TL22	Screwlock – Low removal torque for small fasteners less than a 1/4" (6mm) (HTR ¹)	Purple	1200	-65° to 300°F (-54° to 149°C)	< 20 min.	24	50, 250 ml btl.
TL42	Nutlock – Medium strength, general purpose (HTR ¹)	Blue	1200				1 ml pipette 10, 50, 250 ml btl. 1 liter pipette
TL43	Oil tolerant, medium strength general purpose (HTR ¹)	Blue	3300				10, 50, 250 ml btl.
TL62	Studlock – High strength with controlled torque tension (HHR ²)	Red	1600				10, 50, 250 ml btl. 1, 14 liter btl.
TL71	Permanent studlock for bolts and studs up to 1" (25mm) (HHR ²)		500				1 ml pipette 10, 50, 250 ml btl. 1, 14 liter btl.
TL72	High temperature studlock with gap filling for larger diameter coarse threaded parts (HHR ²)		7000	-65° to 450°F (-54° to 232°C)			10, 50, 250 ml btl. 1 liter btl.
TL77	Heavy duty permanent for fasteners up to 1.5" (38mm) with coarse threads (HHR ²)		7000	-65° to 300°F (-54° to 149°C)	< 60 min.		10, 50, 250 ml btl. 1, 14 liter btl.
TL90	Penetrating adhesive for pre-assembled fasteners and porosity sealing of welds (HHR ²)	Green	20	-65° to 300°F (-54° to 149°C)	< 20 min.		10, 50, 250 ml btl. 1 liter btl.
Product	Typical Use	Color	Typical Viscosity (cps)	Temp Range	Time to Handling	Seal to Operating Pressure (hours)	Size
Pipe Sealant Anaerobic Adhesives							
HP45	High pressure sealant for all hydraulic and pneumatic fittings; will not clog valve or filters	Purple	14,000	-65° to 300°F (-54° to 149°C)	NA	4	1 ml pipette 50, 250 ml btl.
HP54	Refrigerant sealant with excellent chemical resistance	Red	2500				50, 250 ml btl.
HP69	High pressure sealant for all fine threaded hydraulic and pneumatic fittings	Brown	500				50, 250 ml btl.
PS65	General purpose for applications requiring easy disassembly	White	Paste	-65° to 400°F (-54° to 204°C)			50 ml tube 250 ml btl.
PS67	Fast curing paste sealant for inactive surfaces such as stainless steel		Paste				50 ml tube 250 ml btl.
PS92	High temperature for sealing tapered and parallel threaded components		Paste				50 ml tube 250 ml btl.
Product	Typical Use	Color	Typical Viscosity (cps)	Temperature Range	Time to Handling	Full Cure (hours)	Size
Retaining Compound Anaerobic Adhesives							
RT09	For tight tolerances and press fit augmentation	Green	125	-65° to 300°F (-54° to 149°C)	10-30 min.	24	10, 50, 250 ml tube
RT20	For assembly of automotive/marine cylinder liners and heat exchanger tubes		7000	-65° to 450°F (-54° to 232°C)	30-40 min.		10, 50, 250 ml tube
RT35 ³	High strength for slip fits		2000	-65° to 300°F (-54° to 149°C)	10-60 min.		50, 250 ml btl.
RT40 ³	Secures all types and sizes of bearings, shafts and cylindrical parts		600	-65° to 400°F (-54° to 204°C)	10-15 min.		50, 250 ml btl.
RT41	Medium strength for disassembly for service and bearing re-use	Tan	600	-65° to 300°F (-54° to 149°C)	15-20 min.		250 ml tube
RT60	High strength, high viscosity paste	Grey	Paste		10-30 min.		10 ml btl.
RT80	High strength, high viscosity to bond rigid assemblies	Green	1600		5-15 min.		10 ml btl.
RT142	Seal core plugs in engines for assembly or repair of loose fitting parts	Blue	10,000		5-15 min.		250 ml btl.

Note: The technical information and data should be considered representative only and should not be used for specification purposes.

Continued on back.

¹ Hand tool for removal

² Heat and hand tool for removal

³ Made to order

Product Selection (cont.)

Product	Typical Use	Color	Typical Viscosity (cps)	Temperature Range	Cured Speed unprimed (primed)	Cured State	Size
Gasket Maker Anaerobic Adhesives							
GM04	Instant low pressure seal for gaps to .030"	Orange	Paste	-65° to 300°F (-54° to 149°C)	4-24 hours (30 min.-4 hrs)	Rigid	50 ml tube 250 ml tube
GM10	Making or dressing gaskets in rigid assemblies; can be screen printed; high temperature resistance	Red	Paste	-65° to 400° F (-54° to 204°C)	4-24 hours (30 min.-4 hrs)		50 ml tube
GM15	General purpose; flexible to withstand vibration	Purple	Paste	-65° to 300°F (-54° to 149°C)	1-12 hours (15 min.-2 hrs)	Flexible	50, 250 ml tube 300 ml cartridge
GM18	Instant seal without a primer on mating aluminum flanges	Red	Paste		4-24 hours (30 min.-4 hrs)		50 ml tube 300 ml cartridge
Product	Typical use						Size
Anaerobic Adhesives Primers							
AC471	Fast-acting surface cleaner and primer for use with all anaerobic adhesives; seven day part life for pre-application						2 fl. oz. 1 gal. btl.
AC649	Acetone-based green primer for inactive or very cold surfaces; 30 day part life for pre-application						2, 8 fl. oz. 1 gal. btl.

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