



STRENGTH, SPEED, RELIABILITY

RITE-LOK™

Anaerobic Adhesives

RITE-LOK™ anaerobic adhesives are high performance, single component engineering adhesives that cure in the absence of air and in the presence of metal parts. RITE-LOK™ anaerobic adhesives are frequently used in assembly by original equipment manufacturers, maintenance departments, upgrade and overhaul projects and throughout the automotive engineering sector. They are available in a wide range of strengths and viscosities. The RITE-LOK™ Anaerobic range is used for threadlocking, threadsealing, pipe and hydraulic joint sealing, retaining of cylindrical parts and gasketing.

- Wide range of strengths and viscosities available to meet demanding engineering specifications
- Excellent vibration resistance
- Prevent leakage and corrosion
- Excellent fluid resistance
- Can significantly reduce weight/cost when compared with traditional methods of locking/sealing parts
- Excellent durability
- High temperature grades available
- Will not contaminate hydraulic and pneumatic systems
- Can be easily applied by manual or automatic dispensing system

Threadlockers

- Fills gaps between mating metal threads preventing vibration loosening
- Seals against leakage and corrosion
- Replaces traditional mechanical methods such as locking washers, split pins, Nylok nuts and wiring, reducing weight, inventory and cost
- Single part (no mixing)
- Easy to apply

Retaining Compounds

- Used in the assembly components such as bearings, gears, shafts, bushes, pulleys, cylinder liners and rotors
- Increases the load bearing properties of cylindrical joints
- Reduces assembly stresses
- Reduces machining costs
- Can replace traditional and more expensive methods of securing cylindrical assemblies

Gasketmakers

- Eliminates pre-cut gaskets, reducing weight, inventory and cost
- Improves seal and strength
- For use on water, oil and fuel pumps, electric motor end covers, compressors, thermostat housing and most machined metal faces
- Does not shrink or crack
- Does not sag or run
- Fills surface imperfections, reducing machining costs

Pipe Sealants

- Used in thread and pipe sealing
- Replaces PTFE tape and dopes
- Does not shred like tapes during assembly
- Solvent free
- Provides a rapid low pressure seal
- Easy disassembly even after long periods

Product	Product Grade	Appearance	Gap Fill (mm)	Chemical Type	Viscosity cPs	Constant Temperature Range	Typical Fixture Time (Seconds)	Full Cure	
Gasket Makers	GM 510	Red-orange	0,50	Dimethacrylate	425,000	-50°C to +200°C	20 mins	24 hours	
	Typical Applications: RITE-LOK™GM 510 is a form-in-place gasketing product designed for applications on rigid metal flanges and surfaces. Ideal for use in high temperature applications.								
	GM 518	Red	0,50	Dimethacrylate	500,000	-50°C to +150°C	35 mins	24 hours	
	Typical Applications: RITE-LOK™GM 518 is a form-in-place gasketing product designed for use on dissimilar rigid metal flanges and surfaces, e.g. gearbox casings, machinery covers, pump housings, etc.								
Hydraulic Sealant	GM 574	Orange	0,35	Dimethacrylate	80,000	-50°C to +150°C	≥15 mins	24 hours	
	Typical Applications: RITE-LOK™GM 574 is a form-in-place gasketing product designed for multi-purpose applications on dissimilar rigid metal flanges and surfaces, e.g. gearbox casings, machinery covers, pump housings, electric motor end covers, etc.								
Pipe Sealant	HP 542	Brown	0,20	Dimethacrylate	500	-50°C to +150°C	15 mins	24 hours	
	Typical Applications: RITE-LOK™HP 542 is formulated to lock and seal fine to medium pipe threads, particularly for hydraulic and pneumatic pipe systems, up to 15mm pipe diameter. HP42 prevents vibration loosening and leakage through the pipe threads.								
Retaining Compounds	PS 565	White paste	0,50	Dimethacrylate	300,000	-50°C to +150°C	≤120 mins	24 hours	
	Typical Applications: RITE-LOK™PS 565 is formulated to lock and seal medium to coarse straight and tapered pipe threads on pipes of diameter from 15mm to 80mm. PS65 prevents vibration loosening and leakage through the pipe threads. PS65 gives low strength break and prevail torque on assembled joints, thus enabling easier disassembly and servicing, which is further helped by the lubricity of PS65.								
	PS 577	Fluorescent yellow	0,25	Dimethacrylate	48,000	-50°C to +150°C	15 mins	24 hours	
Typical Applications: RITE-LOK™PS 577 is formulated to lock and seal medium to coarse straight and tapered pipe threads on pipes of diameter from 15mm to 80mm. PS77 prevents vibration loosening and leakage through the pipe threads.									
Retaining Compounds	RT 601	Green	0,20	Dimethacrylate	125	-50°C to +150°C	15 mins	24 hours	
	Typical Applications: RITE-LOK™RT 601 is formulated for bonding cylindrical parts, to give high strength bonds. Typical applications includes bonding gears on to shafts. RT01 is designed to augment the strength of interference fit and press fit assemblies. Once applied, parts slip together easily, lubricated by the adhesive.								
	RT 620G	Yellow/ Green	0,40	Dimethacrylate	20,000	-50°C to +230°C	15 mins	24 hours	
	Typical Applications: RITE-LOK™RT 620G is formulated for bonding cylindrical parts, to give high strength bonds. RT20G is designed to augment the strength of slip fit assemblies and for use on loose-fitting or worn parts, where larger gap fill is required. Ideal for high temperature applications.								
	RT 2233	Red	0,25	Dimethacrylate	2,000	-50°C to +150°C	15 mins	24 hours	
	Typical Applications: RITE-LOK™RT 2233 is formulated for bonding cylindrical parts, to give medium-high strength bonds. Typical applications include locking sleeves onto shafts. RT2233 is designed to augment the strength of slip fit assemblies.								
	RT 638	Green	0,25	Dimethacrylate	2,500	-50°C to +150°C	≤15mins	24 hours	
	Typical Applications: RITE-LOK™RT 638 is formulated for bonding cylindrical parts, to give very high strength bonds. Typical applications include locking sleeves onto shafts. RT38 is designed to augment the strength of slip fit assemblies.								
	RT 381	Green	0,30	Dimethacrylate/ Triacrylate	25,000	-50°C to +150°C	≤10 mins	24 hours	
	RITE-LOK™ RT381 is formulated for bonding cylindrical parts, to give high strength bonds. RT381 is designed to be fast curing and, due to its high viscosity, it gives improved sealing performance.								
	RT 641	Yellow/ Brown	0,20	Dimethacrylate	500	-50°C to +150°C	15 mins	24 hours	
	Typical Applications: RITE-LOK™RT 641 is formulated for bonding cylindrical parts, to give medium strength retaining. Typical applications include mounting bearings on shafts and into housings. The controlled medium strength allows disassembly for servicing and bearing replacement.								
	RT 648	Green	0,20	Dimethacrylate/ Triacrylate	600	-50°C to +150°C	10 mins	24 hours	
	Typical Applications: RITE-LOK™ RT 648 is formulated for bonding cylindrical parts, to give high strength bonds. Typical applications include mounting gears and rotors on to shafts. RT48 is designed to augment the strength of press fit assemblies.								
Threadlocking	RT 662	Red	0,50	Dimethacrylate	10,000	-50°C to +150°C	≤25 mins	24 hours	
	Typical Applications: RITE-LOK™RT 662 is designed to augment the strength of slip and press fit assemblies and to prevent vibration loosening and leakage through the bonded parts. RT62 is suitable for bonding engine core plugs, but it can be used for difficult assembly or very long engagement length applications where a slow-curing product is needed.								
	RT 680	Green	0,4	Dimethacrylate	1300 –2000	-50°C to +150°C	≤15mins	24 hours	
	Typical Applications: RITE-LOK™RT 680 locks keys and splines. Eliminates backlash in worm assemblies. Bonds rotors to shafts in fractional and sub fractional horsepower motors. Locks bushing and sleeves in housings and on shafts. Augments press fits. Restores the fit to worn assemblies or out of tolerance parts.								
	TL 2015	Blue	0,20	Dimethacrylate	500	-50°C to +150°C	≤15 mins	24 hours	
	Typical Applications: RITE-LOK™ TL 2015 is formulated to lock metal fasteners and thus prevent vibration loosening and leakage through the threads. TL2015 is of low-medium viscosity and not thixotropic. Once applied, parts can be easily assembled, lubricated by the adhesive.								
	TL 222	Purple	0,25	Dimethacrylate	5,000	-50°C to +150°C	≤15 mins	24 hours	
	Typical Applications: RITE-LOK™TL 222 is formulated to prevent vibration loosening and to seal against leaks through threaded components. The low removal torque makes TL22 especially suitable for use on small threaded parts (<6mm), locking brass or other soft metal fasteners and where regular disassembly is envisaged.								
	TL 242	Blue	0,25	Dimethacrylate	5,000	-50°C to +150°C	≤15 mins	24 hours	
	Typical Applications: RITE-LOK™TL 242 is formulated to lock all metric and imperial nuts and bolts, preventing vibration loosening and leakages through the threads. TL42 is designed for use on parts where disassembly with hand tools for servicing is required.								
	TL 243	Blue	0,30	Dimethacrylate	14,000	-50°C to +150°C	≤15 mins	24 hours	
	Typical Applications: RITE-LOK™TL 243 is formulated to lock all metric and imperial nuts and bolts, preventing vibration loosening and leakages through the threads. TL43 is slightly oil tolerant, so it will bond some 'as received' parts, but best results are obtained with clean substrates.								
	TL 262	Red	0,25	Dimethacrylate	7,000	-50°C to +150°C	≤15 mins	24 hours	
	Typical Applications: RITE-LOK™TL 262 is formulated to lock all metric and imperial nuts and bolts, preventing vibration loosening and leakage through the threads. The thixotropic nature of the product prevents run off, dripping and migration after assembly. TL62 is a lubricating formulation to aid assembly.								
TL 270	Green	0,20	Dimethacrylate	500	-50°C to +150°C	≤15 mins	24 hours		
Typical Applications: RITE-LOK™TL 270 is formulated to lock metal fasteners and thus prevent vibration loosening and leakage through the threads. TL70 is particularly suitable for larger threaded fasteners, e.g. studs and all applications where maximum strength is needed.									
TL 271	Red	0,20	Dimethacrylate	500	-50°C to +150°C	≤15 mins	24 hours		
Typical Applications: RITE-LOK™TL 271 is formulated to lock metal fasteners and thus prevent vibration loosening and leakage through the threads. TL71 is particularly suitable for larger threaded fasteners, e.g. studs and all applications where maximum strength is needed.									
TL 272	Red	0,30	Dimethacrylate	23,000	-50°C to +230°C	≤15 mins	24 hours		
Typical Applications: RITE-LOK™TL 272 is formulated to lock all metric and imperial nuts and bolts, preventing vibration loosening and leakage through the threads. The high viscosity, thixotropic nature of the product prevents run off, dripping and migration after assembly. Ideal for high temperature applications.									
TL 277	Red	0,20	Dimethacrylate	7,000	-50°C to +150°C	≤15 mins	24 hours		
Typical Applications: RITE-LOK™TL 277 is formulated to lock all metric and imperial nuts and bolts, preventing vibration loosening and leakage through the threads. The thixotropic nature of the product prevents run off, dripping and migration after assembly.									
TL 290	Light Green	0,15	Dimethacrylate	10	-50°C to +150°C	≤15 mins	24 hours		
Typical Applications: RITE-LOK™TL 290 is formulated to be a very low viscosity anaerobic thread locker, which means it can be used as a post-assembly adhesive to wick into pre-assembled parts. RITE-LOK™ TL90 is also ideal for curing porosity in cast parts and welded joints. TL90 fluoresces under UV light to assist quality control of the assembled joint.									

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