



ThreadSeal™

LEAD/ZINC-FREE THREAD COMPOUND

ThreadSeal represents the next generation—environmentally responsible, high-performance thread compound—tailored to meet today's demanding oilfield applications. Serving as a superior alternative to API-Modified, ThreadSeal offers robust sealing, anti-seize protection, and long-term corrosion resistance under extreme pressure conditions. This lithium-based thread compound contains copper, graphite, and a blend of nonmetallic, inorganic, extreme-pressure, and antiwear additives. Its high-quality lithium base grease provides a high melting point and excellent water resistance, allowing it to adhere effectively to wet or oily threads.

ThreadSeal seals connections up to 10,000 psi while protecting against rust, corrosion, oxidation, galling, and H₂S attack. It withstands high-pressure, high-temperature environments, and maintains stability and resists chemically aggressive conditions, including sour gas and CO₂. This compound delivers exceptional corrosion protection, outperforming most alternatives in salt water fog spray testing, making it an excellent choice for long-term storage applications.

Brushable across a wide temperature range, ThreadSeal is ideal for use on API and Semi-Premium OCTG connections, flow lines, and subsurface tools.

Conforms to API RP 5A3 Fourth Edition standards and meets or exceeds all key performance requirements, including evaporation, gas evolution, oil separation, water leaching, and copper corrosion.

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APPLICATIONS:

- API and semi-premium OCTG connections - will lubricate, seal, and protect threaded connections on make-up, in service, and in storage

For a metal-free alternative use Jet-Lube® Run-N-Seal® Extreme.

BENEFITS:

- No lead or zinc, eliminating the potential for hydrogen gas evolution.
- Contains additive that protects against rust, corrosion, and oxidation.
- Sticks well to wet or oily thread surfaces.
- H₂S inhibited.
- *Conforms with API 5A3 for use with casing, tubing, and line pipe.*

ASTM	TYPICAL CHARACTERISTICS	
	Thickener	Lithium
	Fluid Type	Petroleum
	Color	Dark Bronze
D-2265	Dropping Point	460°F (238°C)
	Density (lb/gal)	10.4
D-6184	Oil Separation Wt. % Loss @ 212°F (100°C)	>3.0
D-92	Flash Point	> 430°F (221°C)
	NLGI Grade	1.5
D-217	Penetration 77°F (25°C)	295-315
D-4048	Copper Strip Corrosion	1A
	Four-Ball Weld Point, kgf	800
	Friction Factor (Relative to API-MODIFIED)	1.0
B-117	Salt Fog Corrosion Resistance 5% NaCl @ 100°F (38°C)	1200 hrs
	Service Rating	0°F (-18°C) to 500°F (260°C)
	Brushable Temp	10°F (-12°C)

**Next-Gen Performance
Meets Environmental
Responsibility.**

Learn more
[jetlube.com/product/
threadseal-lead-zinc-free-
thread-compound](https://jetlube.com/product/threadseal-lead-zinc-free-thread-compound)



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