



# 550<sup>®</sup> EXTREME<sup>®</sup> ALL WEATHER NONMETALLIC ANTI-SEIZE COMPOUND

## DESCRIPTION

**550 Extreme All Weather** Anti-Seize Compound is an enhanced formulation using a balance of molybdenum disulfide and surface modified synthetic graphite combined to provide protection for a wide variety of applications over a wide temperature range.

**550 Extreme All Weather** is the ideal product for petrochemical plant maintenance needs. Its composition offers maximum protection against seizure and heat freeze. **550 Extreme All-Weather** eases assembling and dismantling saving man hours. It assures protection against rust, oxidation, and corrosion. It will not harden, evaporate, or settle out; and it requires no thinning.

In addition to molybdenum disulfide (MoS<sub>2</sub>), surface modified synthetic graphite, and low friction fillers, **550 Extreme All Weather** utilizes a fully synthetic fluid, complex based grease that is fortified with effective rust and corrosion inhibitors and provides inherent anti-wear properties. Each principal anti-seize, low friction ingredient provides important properties and characteristics to **550 Extreme All Weather**.

As an added benefit, when compared to Anti-Seize compounds containing greater than 40% molybdenum disulfide the coefficient friction of **550 Extreme All Weather** is less sensitive to temperature. High molybdenum products can have substantial friction function drops when hot torqueing bolts between 250-400°F.

- Enhanced rust and corrosion resistance
- Lead free
- Protects against seizure, heat-freeze, galling, rut and corrosion
- Lowers friction, reduces wrench torque
- Provides easy makeup and breakout
- Reduces maintenance costs
- Not affected by contraction, expansion, or vibration
- Exceptional brushability down to -40°F (-40°C)

## APPLICATIONS

Use **550 Extreme All Weather** on:

Alkyl Gaskets, Threads, Flange Faces, Keyways  
Gaskets, Slides Guides, Fittings

Well suited for steel and aluminum. **550<sup>®</sup> Extreme All Weather** works equally well on stainless steel, cast iron, titanium, copper, brass, alloys, plastic, and gasket materials. **550 Extreme All Weather** is an effective anti-seize for use with LPG and other gasses. For sealing applications, use V-2<sup>®</sup>

**NOTE:** Not for use on oxygen lines.

## CERTIFICATIONS

Military Specification - MIL-PRF-907F

## PRODUCT CHARACTERISTICS

Thickener	Complex
Fluid Type	Petroleum
Color/Appearance	Black
Dropping Point (ASTM D-566)	>450°F (232°C)
Specific Gravity	1.22
Density (lbs/gal)	10.2
Oil Separation	<5.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	500°F (260°C)
NLGI Grade	1
Penetration (ASTM D-217)	315-335
K-Factor*	0.17
1" B7 Studs @ 50,000 psi Contact Stress	
Copper Strip Corrosion (ASTM D-4048)	1A
Shell 4-Ball (ASTM D-2596)	
Weld Point, kgf	800
Load Wear Index	100
Salt Fog Resistance	500
20% NaCL @ 100°F	
Hrs. Free of Corrosion (ASTM B-117)	
Service Rating	-65°F to 1200°F (-54°C to 649°C)

\*(T= K x D x F) where:

T = torque, K = nut factor, sometimes called friction factor, D = bolt diameter, and F = bolt tension generated during tightening

**For package types and part numbers contact [sales@jetlube.com](mailto:sales@jetlube.com)**

## LIMITED WARRANTY

For warranty information please visit

[http://www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf)

You can also email us at [sales@jetlube.com](mailto:sales@jetlube.com) or write to the Sales Department at the address below.