

KORR-GUARD™

STORAGE COMPOUND



DESCRIPTION

KORR-GUARD™ is a water displacing, specialized formula utilizing a unique approach to rust and corrosion resistance. Many of the corrosion resistant greases on the market are petroleum base oils thickened with 3% to 9% soap. The soaps are typically lithium, aluminum and anhydrous calcium and the resulting grease is treated with 2-5% rust inhibitor. The rust inhibitor is oil soluble and surface active, wanting to wet out on the steel surface. Over a time, the oil separates and the low additive content depletes. KORR-GUARD actually complexes the rust inhibitor in high quantity as a component in the thickener. The thickener holds the rust inhibitor in place so additive depletion becomes a less significant factor in long term storage.

The chemical complexing of the rust inhibitor into the soap structure also results in a significant yield reduction. Therefore, the soap requirement goes up significantly. The soap content with this system ranges from 25 - 40% depending upon the intricate processing variables involved. In a grease, it is the thickener/soap which adheres to metal, not the oil. Therefore, the greater quantity the soap content, the longer the product will last.

KORR-GUARD is a semifluid product for ease in application onto threads. It easily flows into the thread roots displacing moisture as the product "wets-out" onto the steel surface. KORR-GUARD is an NLGI "0" grade product with a cone penetration range of 355 - 385 mm x 10⁻¹. KORR-GUARD is also slightly over-based to protect against acid fume or oxidation. Petroleum oils oxidize to form carboxylic acids.

APPLICATIONS

A protective grease-like coating to protect equipment and threaded pipe ends against rust and corrosion.

PRODUCT CHARACTERISTICS

Thickener	Calcium Soap
Fluid Type	Petroleum & Synthetic
Color	Pale Olive Green
Dropping Point (ASTM D-566)	≥392°F (200°C)
Specific Gravity	.94
Density (lb/gal)	7.85
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	0
Penetration @77°F (ASTM D-217)	370, typical
Salt Fog/Spray Resistance (ASTM B117)	
20% NaCl, 100°F, hours	>250
Service Temperature	-40°F (-40°C) to 425°F (218°C)

APPLICATION TECHNIQUE

Brush On	0°F(18°C) to 150°F (66°C)
Spray On	50°F(10°C) to 150°F (66°C)

Part No.	Container Size	Container
78816	5 gal / 20 litre	Pail

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

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Phone - 1 300 00 XTEX (9839)
E-Mail - sales@xtex.com.au
Web - www.xtex.com.au

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