



Royal Premium Copper Clad Lubricant

High Temperature Copper Anti-Seize Lubricant

Royal Premium Copper Clad Lubricant is calcium sulfonate complex thickener based high temperature premium quality copper anti-seize and thread lubricant. This premium quality lubricant contains finest quality super fine copper flakes fortified with other synergistic solid lubricants. In this lubricant calcium sulfonate thickener itself acts as anti-rust, corrosion inhibitor and water resistance which stands out this product with other competitor products. This lubricant is also fortified with other performance enhancing additives like anti-oxidants making this product a unique choice for anti-seize and thread tool joint compound.

Product Features:

- It protects threaded fasteners and fitting from very high temperature, freezing, seizure/galling in temperature range - 40 C to 180 C
- Outstanding corrosion resistance and rust protection
- Outstanding anti-oxidation and thermal resistance
- Contains no lead or zinc or other heavy metals

Customer Benefits:

- Lowers friction leading to reduction in wrench torque
- Enable reuse of fittings, bolts, studs, nuts.
- Do not drip, leak or settle down
- Not affected by contraction, expansion, or vibration

Applications:

Recommended for pumps, sensors, valves, nuts and bolts, threaded assemblies, slide fit assemblies, hinges, gears, chains and sprockets, cable and sheaves, lever pivot points, oil-still header bolts, furnace and oven threads, exhaust system bolts and studs, drawing and forming of metals, marine equipment, industrial heavy equipment.

Specifications and Approvals	Royal Premium Copper Clad
Conforms to MIL-PRF-907E	✓



Typical Properties

Product Number	9520JBJRM	Test Method
NLGI grade	1	ASTM D 217
Thickener Type	Over based Calcium Sulfonate complex	-
Color	Blackish Copper	Visual
Specific gravity	1.16	-
Flash Point, °F	+ 450	ASTM D 92
Base Oil Viscosity		
@40°C	465	
@100°C	28.5	
@100°F	2507	ASTM D445
@210°F	140.3	
Drop Point, °F	+550	IP 396
Worked Penetration @ 25°C	310-340	ASTM D 217
Four Ball Weld load, kg	620	ASTM D 2783
Rust protection,	1A	ASTM D 4048
Water Washout, % wt. loss @ 175°F	2.3	ASTM D 1264
Water Spray off, % wt.	< 20	ASTM D 4049

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



16oz. Tub



50 Lb. Pails



140 Lb. Kegs

450 Lb. Drums