

# JET-LUBE® C-PLATE™

## COPPER RICH COATING

### DESCRIPTION

**C-PLATE™** is specifically designed to aid in the break-in process of freshly-cut threads where plating services are not available, nor desired due to the occupational or environmental hazards of those chemicals. It can also be used in conjunction with plated surfaces for additional protection. **C-PLATE** has low VOC's, as exempted ketones are used as the diluent solvents.

**C-PLATE** provides a durable micro-thin coating of copper to machined surfaces, aiding in preventing galling during the break-in process. The micro-sized copper flakes adhere to the steel, utilizing a high-tech resin that air-cures at room temperature in 4 to 6 hours. With the addition of heat, an even stronger, more durable bond may be achieved. Once cured, **C-PLATE** forms a durable, acid-free, corrosion-resistant finish which may then be burnished into the steel surface during the initial work hardening of the threaded connection. The thin copper coating provides a dissimilar metal which acts to prohibit the metal-to-metal contact under bearing loads which may cause galling damage to threaded connections.

- Lead and Zinc free
- Contains no ozone-depleting substances
- Fast evaporating
- Prevents galling during break-in process
- Provides a durable, corrosion-resistant finish on fresh cut threads
- Greaseless, solid-film protective coating
- Acid-free film

### APPLICATIONS

For use on fresh-cut threads, flanges, screws, bolts, bushings, studs, and drill collar and drill pipe connections. Surfaces should be clean and oil-free for best results. Not recommended for aluminum or its alloys.

**C-PLATE** is a major component in a two-phase system to prevent galling in stainless steel and other high nickel and non-mag drilling components when used in conjunction with **NCS-30®**, **EXTREME®**, or **KOPR-KOTE® Drill Collar and Tool Joint Compounds**.

### LIMITED WARRANTY

For warranty information please go to [www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf).

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### PRODUCT CHARACTERISTICS

Color	Copper-colored fluid with characteristic solvent odor
Appearance	Micro-sized copper flakes in suspension
Density (lb/gal)	7.35
Flash Point	-4°F (-20°C)
Typical Coverage	2,400 sq. in. / 12 oz. can 43,500 sq. in. per 1 gal–bulk
Pencil Hardness	
1 to 24 hr. ambient	= 4B minimum
3 weeks @ ambient	= 2B minimum
1 hr. @ 200°F (93°C)	= 3B minimum
24 hr. @ 200°F (93°C)	= 1H minimum

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