

C-PLATE™

COPPER RICH COATING

DESCRIPTION

C-PLATE™ is specifically designed to aid in the break-in process of freshly-cut threads where platings or coatings 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 burished 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.



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 |

***Warning: Flammable diluent solvents used.
Do not apply near ignition sources.**

PACKAGING

| Part No. | Container Size | Container |
|----------|-----------------|-----------|
| 61741 | 355 ml / 500 gm | Aerosol |

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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