

# TECH LINE *Coatings*

26844 ADAMS AVE. ♦ MURRIETA, CA 92562 ♦ USA  
Phone 972-775-6130 ♦ Fax 972-775-8125  
[www.techlinecoatings.com](http://www.techlinecoatings.com)

## C-Lube

### **PRODUCT DESCRIPTION:**

C-lube (CCL) is a thermally cured dry film lubricant. CCL makes use of a unique water based ceramic binding system, to retain high pressure/low coefficient of friction lubricating pigments. The cured material is capable of providing increased lubrication and reduced friction at loads in excess of 350,000 psi. The film thickness as applied ranges from .0003" to .0005" and will burnish to approximately 20 millionths during operation of the coated part. Coating thickness may be reduced prior to assembly by buffing with a suitable material. CCL achieves full cure at 350f. after 1 hour at temperature.

COLOR: Charcoal gray

APPLIED FILM THICKNESS: .0005" to .001"

HRC (Equivalent Rockwell C Scale): 45

ADHESION (Tape Test ASTM D 3330): 4B

PENCIL HARDNESS TEST: 5

IMPACT TEST (ASTM D 2794 2 lb. Weight): OK at 48"

FLEXIBILITY/ BENDING ADHESION: 90 & 180 degrees single O.K. / double failed

THERMAL TEMPERATURE RESISTANCE: Excess of 2000f. degrees base metal

PHYSICAL PERFORMANCE (Wear & Load): Loads in excess of 350,000 PSI

ACCEPTABLE SUBSTRATES FOR APPLICATION: All Metal except Magnesium

**IMPORTANT: The technical information herein is believed to be accurate. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of this product.**

**NO WARRANTY EXPRESS OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY EXCLUDED.**

***READ THE MATERIAL SAFETY DATA SHEET BEFORE USE***