



# Cop Metal

## Anti-seize lubricating paste

### Description

Cop Metal is a lubricating paste with exceptional anti-seize properties developed for mechanical elements under extreme pressures, harsh environments and high temperatures.

It contains fine metallic particles that protect the elements and inhibits the micro-weldings generated on the surface asperities due to extreme pressure and temperature conditions, and corrosive environments.

Cop Metal forms a lubricant film that cannot be incinerated or completely removed by abrasion, neither washed by fresh/salt water.

### Benefits

- Protection against corrosion and rust.
- Extreme temperature resistance.
- Long life lubrication.
- Decreased replacement time of components reduces machine downtime.
- Extends the technical life of ladle brushes and assembly parts significantly.

### Typical Properties

| Norma ASTM |                                     |                                |     |
|------------|-------------------------------------|--------------------------------|-----|
| D-217      | NLGI Grade Consistency              | 1                              | 2   |
|            | Thickener                           | Copper, Graphite and Bentonite |     |
|            | Base Oil                            | Semi-Synthetic                 |     |
| D-445      | Base Oil Viscosity at 40°C, cSt     | 1000                           |     |
| D-217      | Cone Penetration at 25°C, 0.1mm     | 320                            | 280 |
| D-2265     | Dropping Point, °C                  | 304                            | 304 |
| D-217      | Mechanical Stability, %             | 6.3                            | 4.5 |
| D-2509     | Timken Ok Load, lb                  | 45                             | 45  |
| D-2596     | Four Ball Weld Point, kgf           | 315                            | 315 |
| D-1264     | Water Washout Resistance at 80°C, % | 3                              | 3   |
|            | Temperature Range, °C               | -30 to 1200                    |     |

### Applications and use

Cop metal anti-seize paste was developed for the protection of ladle bushings, pivots and assembly parts (Screws, Nuts and Threads) under static or low speed conditions, and high temperatures.

It can be used as a mounting lubricant (as well as a release agent) for shafts, valves, roller bearings, gearboxes and chains among others, offering protection against corrosion, galvanic pitting and electrolysis.

### Appearance

- Color: Brown
- Texture: Soft

### Packages

Pail: 18kg

Drum: 180kg

### Applying Methods

- Manually with brush.
- For bearing lubrication fill up to 12% of available volume.



Antiseize



Oven Chain



Cable



Extreme temperatures



Water Washout



Contamination



Lubrication frequency

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