

UNITED OIL COMPANY

Quality Industrial Lubricants Since 1906

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UNITED COATING OIL CO – 80 G

Product Data Sheet

Product Description:

United Coating Oil CO – 80 G is a medium viscosity rust preventative coating oil designed to be applied to steel strip after pickling, temper rolling, galvanizing, and after processing before storage. **CO- 80 G** is compatible with all temper mill coolants and one-phase oil-based coating oils, and may be applied by spray, felt wiper, or electrostatic oiler. **CO – 80 G** does not contain silicones, lanolin, hardeners, or waxes. It is relatively easily cleaned from the steel surface prior to processing of the strip.

Outstanding Qualities:

1. **CO – 80 G** is balanced between barrier type corrosion protection and additive based corrosion protection. Barrier protection involves simply preventing moisture (water) from reaching the steel surface of the coil. This is provided in **CO – 80 G** by the carrier or base oil and the water displacing additive.
2. Once barrier protection is established, additional protection is also needed for damaged areas of the barrier film e.g. scratches, nicks, uneven application and from stain and oxidation. As such, **CO – 80 G** contains non-staining, acid neutralizing film formers, polar additives, water displacers, and anti-oxidants.

Typical Physical Properties:

Appearance	Amber liquid
Viscosity @ 100o F, SUS:	75-85
Specific Gravity @ 60o F:	0.867
Flash Point, COC:	302o F
Humidity Cabinet(ASTM D1748):	40 days
Electrostatic Oil Application Rating	Good spray with cusping (1-2mm) suitable for all application methods
MIL-C-22235 Type A-Ready Mix	Passes
Section 3.4 (Stack Stain Test 72 hours):	No Stain

<u>Independent Laboratory Test Result</u>	<u>United CO – 80G</u>	<u>Standard RP</u>
ASTM D1748 Humidity Cabinet (Steel)	avg 960 hrs	avg 456 hrs
ASTM D1748 Humidity Cabinet (Galv)	avg 228 hrs	avg 228 hrs
ASTM B117 Salt Spray (Steel)	< 24 hrs	<16 hrs
ASTM B117 Salt Spray (Galv)	< 16 hrs	<16 hrs
Acid Fume (Steel)	2.0 – 2.5 hrs	1 hr
Acid Fume (Galv)	112 hrs	112 hrs

Supplying Quality Industrial Lubricants to the Metals Industry Since 1906