

UNITED OIL COMPANY

Quality Industrial Lubricants Since 1906

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United Roll Oil RM-50

(Semi-Synthetic Non-Ferrous Rolling Oil)

Product Data Sheet

Product Description:

United RM-50 is a high performance, ability to emulsify non-ferrous rolling oils. RM-50 is based on a quality hydro-treated solvent refined mineral oil blended with specially selected additives, which are stable at high rolling temperatures. These products form a milky-white oil-in-water emulsion when mixed with water. The formulations are precisely balanced to provide optimum rolling performance and excellent surface finish while minimizing oil consumption.

Outstanding Qualities:

1. Is highly recommended for hot rolling non-ferrous metals involving breakdown reversible 2-high / 4-high mills, finishing tandem mills and on combination mills
2. Tube mills and continuous casting operations for aluminum wire and strip rolling
3. Emulsion strength varies between 3 to 6% by volume depending on targeted surface finish, rolling speed and reduction severity

Viscosity @100 °F, SUS	300-350
Free Fatty Acid (as Oleic)	2.0-6.0
Saponification Value	50-60
pH 5% DI Water	8.8-9.8
ESI	2.40-3.40
Appearance	Dark Amber Clear Liquid

Application Guidelines:

- Always add the oil concentrate to the water phase and not vice versa
- Oil should be added to suction side of pump to achieve the best emulsion formation
- Demineralized water is recommended for daily top-up for maximum charge life