



Metalworking Fluids

Rust Preventive Selection Chart

Product	Type	Flash Point	Film	Protection	Comments
Wocotec 3005	Solvent	105°F	Dry/Waxy	3–6 Months Indoor	Good, low cost RP. Film is virtually non-detectable. No barium.
Wocotec 3012	Solvent	105°F	Dry/Waxy	9–12 Months Indoor	Excellent long term protection indoor. Dry to touch. Water displacing. No barium.
Wocotec 3205	Solvent	142°F	Dry/Waxy	3–6 Months Indoor	Same as 3005 but higher flash pt. Slightly slower to dry.
Wocotec 3212	Solvent	142°F	Dry/Waxy	9–12 Months Indoor	Same as 3012 but higher flash pt. Slightly slower to dry.
Wocotec 3412	Solvent	142°F	Light Oil	9–12 Months Indoor	Excellent long term indoor protection. Self-healing film. Water displacing. No barium.
Wocotec 4406	Oil	330°F	Oily	3–6 Months Indoor	Good salt spray and humidity performance. No barium. Excellent on highly polished steel surfaces.
Wocotec 4410	Oil	320°F	Oily	9–12 Months Indoor	Excellent in acidic environments. Good salt spray performance. No barium. Good lubricity.
Wocosol 400 RP	Soluble Oil	350°F	Oily	3–6 Months Indoor	Run at 10-25% concentration for good in-process rust control. Residue is similar to a soluble oil coolant.
WS 5010	Synthetic	None	Totally Dry	3 Months Indoor	Full synthetic. Contains no oil or solvent. Good in-process protection. Will wash off with just water.
Penetrating Oil 40	Solvent	105°F	Light Oil	6 Months Indoor	WD-40 type product. Outstanding penetrating and RP performance. Leaves residual lubrication.

Wallover

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Rust Preventives

- Wocotec 3005** Blended with mineral spirits. Excellent water displacing, non-staining rust preventive which will not emulsify in the presence of alkali. Will quickly separate water displaced from metal surface. Film is ultra-thin, non-staining and dry. Film can be removed with mineral spirits, kerosene or alkali wash.
- Wocotec 3012** Excellent long term indoor protection. Water displacing, non-staining rust preventive. Dry to touch. Does not contain barium. Can be removed with mineral spirits, kerosene or alkali cleaner.
- Wocotec 3205** Water displacing, non-staining rust preventive. Will quickly separate water displaced from metal surface. Film is ultra-thin, highly protective and dry. Can be removed with mineral spirits, kerosene or alkali cleaner. No barium.
- Wocotec 3212** Excellent long term indoor protection. Water displacing, non-staining rust preventive. Does not contain barium. Dry to touch. Can be removed with mineral spirits, kerosene or alkali cleaner.
- Wocotec 3412** Outstanding water displacing, non-staining rust preventive. Will quickly separate water displaced from metal surface. Film is self-healing and can be removed with alkali cleaners.
- Wocotec 4406** Leaves a light oil film. Formulated for good resistance to humidity and salt spray. Especially resistant to acid vapors and fumes. Also has good lubricity characteristics.
- Wocotec 4410** Excellent for use in acidic environments. Good protection against humidity and salt spray. Provides long term indoor protection. No barium. Excellent choice for protecting bright, ground or highly polished steel surfaces.
- Wocosol 400 RP** A general purpose soluble oil used for cutting, grinding and rust protection. Run at 10–25% concentration for good in-process rust protection. Leaves a light oily film similar to a soluble oil coolant.
- WS5010** A water based, synthetic rust preventive. Contains no oil or solvent. Typical concentration runs 5–6% for good in-process rust control. Leaves a dry film. Will wash off with just water.
- Penetrating Oil 40** Outstanding water displacing penetrating oil. Will cut through the toughest greases or dirt. Safe to use on all metals and leaves a clean, non-sticky rust inhibiting protective film.