



Metal Guard[®] 180

Metal Guard 180 is a water displacing, non-staining rust preventative that will rapidly separate water displaced from metal surfaces following machining or cleaning operations. This product is designed to apply an ultra-thin highly protective dry-to-touch film on ferrous or non-ferrous metals. This film may be applied to the substrate by dipping, spraying or brushing and prevent atmospheric corrosion even under conditions of high humidity.

Metal Guard 180 is recommended for use as a final dip for black oxide and zinc or manganese phosphate coatings. Parts may be dipped while they are still wet from final rinse stage since the displaced water rapidly settles to the bottom of the dip tank where it is periodically drawn off.

Metal Guard 180 produces protective films of between 0.03 and 0.05 mils thickness when used as is. In applications where minimal protection is required, this product may be diluted with mineral spirits, kerosene or naphthenic oils of very low viscosity.

Features & Benefits

Emulsification resistance	Easily used after black oxide operations
Fast drying	Shorter processing time
Easily diluted	Versatile applications

Physical Data

Flash point	148°F
Specific gravity	0.82
Appearance and odor	Clear amber solution, non-viscous, solvent smell

Typical Applications

- Recommended as a final rust preventative after Black Magic coatings, even while still wet from the final rinse.
- Recommended as a final rust preventative after Hubbard Hall's Mi-Phos zinc phosphate or manganese phosphate coatings.
- Recommended for use after machining or cleaning operations.



Caution

Combustible material. Keep away from open flames. Do not use cutting torch on empty containers.

Harmful or fatal if swallowed. Contains petroleum distillates. Use with adequate ventilation. Avoid prolonged contact with skin. If swallowed do not induce vomiting and call physician immediately.

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Our People. Your Problem Solvers.

For more information on this process,
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