Metal Guard® 510

Metal Guard 510 is designed to be the final finish on an engineered black oxide coating where 100 hours of salt spray resistance is desired yet dimensional change cannot be tolerated. It is a solvent-based, water-displacing rust preventive, which can be applied by dipping, spraying or brushing and will displace moisture on the metal surface, leaving a continuous film of Metal Guard 510 in direct contact with the metal surface.

Metal Guard 510 is also used for protection against rust and corrosion on automobile parts and accessories, sewing machines, firearms, fasteners of all types, small gasoline engines, machine tools, dies, jigs, fixtures and metal stampings.

Metal Guard 510 meets Mil-C-16173 Grade 3 Specifications.

Features & Benefits

Rapid water displacement	Improved corrosion protection
High flashpoint	Improved safety
Used at ambient temperature	Reduced energy cost
Excellent acid fume resistance	Improved corrosion protection in acidic environments

Physical Data

Flash point	149°F
Specific gravity	0.821
Appearance and odor	Clear amber solution, non-viscous, solvent smell
Film Thickness	0.21 mils
Coverage	Approx. 2,400 ft^2/gallon
Water Displacement Test	Mil Spec MIL-C-16173D, Grade 3
Corrosion Test	Mil Spec MIL-C-23411 and MIL-C-81309

Typical Applications

- Final rust preventative after black oxide coatings
- Final rust preventative after machining or cleaning operations

- Final rust preventative after zinc or manganese phosphate coatings specified for many military and automotive applications
- Parts may be dipped while they are still wet from final rinse stage, since the displaced water rapidly settles to the bottom of the tank where it is periodically drawn off

Caution

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

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For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

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