

Metal Guard[®] 480

Metal Guard 480 is a solvent-based, water-displacing rust preventive, which is used as received at room temperature and can be applied by dipping, spraying or brushing. It will displace moisture on the metal surface, leaving a continuous "dry-to-the-touch" film of Metal Guard 480 directly in contact with the metal surface.

Metal Guard 480 meets Mil-C-16173 Grade 3 Specifications.

Metal Guard 480 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.

Features & Benefits

Rapid water displacement	Improved corrosion protection
High flashpoint	Improved safety
Used at ambient temperature	Reduced energy cost
Thin protective "dry-to-touch" final film	Improved packaging appearance

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
- 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



Product Bulletin

Product Name: Metal Guard 480
Product Code: 2504080
Revision Date: June 2, 2025

Physical Data

Flash point	148°F
Specific gravity	0.812
Appearance and odor	Clear amber solution, non0viscous, solvent smell Product will be cloudy and have a milky appearance when stored or used below 40°F.
Film Thickness	0.08 mils
Coverage	approximately 3,400 ft ² /gallon

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.

Metal Guard 480 should be stored at temperatures above 55°F, if the Metal Guard 480 temperature falls below 55°F during storage, it should be allowed to slowly warm above 55°F before use, by storing it in a warm area.

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For more information on this process,
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