

# Metal Guard<sup>®</sup> 950

Metal Guard 950 is a wax emulsion which may be applied by dipping, spraying or brushing to produce a black hard, dry wax coating. It is used at room temperature full strength. However, if desired, it may be diluted with water for thinner films.

Metal Guard 950 can be used as added protection over black oxide finishes and all types of phosphate finishes. Metal Guard 950 also works well over bare metal. Since it is a water emulsion of wax, parts can be processed through it without pre drying. Some care should be exercised, however, to prevent too great a carryover of water which would, in time, dilute the wax emulsion resulting in a thinner deposit with lower protective quality.

Metal Guard 950 coating will air dry in a relatively short time. The drying period can be shortened by force drying with warm air or in heated spin dryers. Since the coatings dry to a hard finish, the processed parts should be racked or centrifuged, if done in baskets, to avoid parts adhering to each other. If it becomes necessary to reprocess the parts, the wax coating may be removed in a hot alkaline cleaner or vapor degreaser.

Metal Guard 950 wax emulsion can be contained in plain or lined steel tanks, stainless steel, Polypropylene, PVC or supported Polyethylene tanks.

## Features & Benefits

Superior black finish	Competitive appearance
Water soluble	Improve cost effectiveness and ease of application
Easily removed with alkaline cleaner	Reversibility

## Physical Data

Specific gravity	~ 1.00 @ 70°F
Vapor pressure	17.5 Mm @ 25°C
Percentage of volatility by volume	None
Vapor density (air =1)	~ 1.0
Evaporation rate (ether=1)	< 1

Solubility in water	100%
Appearance and odor	Opaque black emulsion, mild odor
pH	8.0 – 9.5
Approximate coverage	1,000b – 2,000 ft <sup>2</sup> /Gal
Approximate film thickness (dip)	< 0.50 mil
Flash point	None

## Typical Applications

- Final rust preventative after Black Magic coatings, even while still wet from the final rinse
- Final rust preventative after Hubbard Hall's Mi-Phos zinc phosphate or manganese phosphate coatings
- Final rust preventative after machining or cleaning operations
- Final rust preventative on bare steel

## Caution

Metal Guard 950, being wax emulsion in water, should be kept from freezing since this would destroy the emulsion, making the product non-usable.

**WARRANTY:** HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS CONCERNING OUR PRODUCTS, INCLUDING BUT NOT LIMITED TO, LIMITATIONS AND DISCLAIMERS OF WARRANTIES AND LIABILITIES.

## Our People. Your Problem Solvers.

**For more information on this process,  
 please call us at 203.756.5521 or email: [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)**

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**<sup>136</sup>