

Product Data

Nox-Rust® 8500

Water-Based Acrylic Clear Coat

Description

Nox-Rust 8500 is a fast-drying, water-based coating that leaves a clear layer of protection on metal parts. The safe, non-toxic liquid is designed to preserve the appearance of finished and unfinished metal surfaces against water-spotting, dirt, dust, and damaging effects of acid and solid particle fall-out during in storage and shipment. Removal is not required.

Nox-Rust 8500 protects metal surfaces against normal oxidation and weathering. A thin coat of the opaque, light-colored emulsion dries to a firm, non-tacky film that prevents marring and scratching. It eliminates water spotting (lightened and discolored type) caused by acidic rains or hard water. Nox-Rust 8500 also prevents rust stains caused by flakes of rust or metal falling on surfaces during shipping.

It is ideal for use on aluminum and galvanized surfaces, and in applications where it is important to present a high quality cosmetic appearance.

Features

Proven Daubert Cromwell Corrosion Inhibitor Chemistry

- Hard shell coating dries 30-60 minutes; fully cured in 8 hours.
- Dry, tack-free film will not pick up dust, dirt or lint.
- Clear protective coating is completely indiscernible.
- Odor-free. Safe for use in the workplace.
- Low VOC.
- No mixing or preparation is required.
- Can be applied by spray, dip or brush.

Typical Applications

General Uses

- Stainless steel railings and architectural metals that need to maintain a good visual appearance.
- Applications where it is important to preserve a high quality finish: Automotive parts, engine compartments, vehicle accessories.
- Plant equipment, coils, routine maintenance shop use.
- Aluminum and galvanized surfaces.

Guidelines for Use

- **Surface Preparation:** Metal surface should be clean, dry and free of rust, oil and mill scale. Metal temperature should be 50-95°F (10-35°C) at the time of product application.
- **Application:** Nox-Rust 8500 is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of solvent during use, contact Daubert Cromwell. DO NOT THIN. Incorrect thinning will affect film build, dry time and product performance. DO NOT FREEZE.
- **Removal:** Removal is rarely required, except in some instances when metal is to be painted. Nox-Rust 8500 can be removed with solvent borne thinner (non-aromatic), vapor degreasing, hot alkaline wash, or low-pressure steam.



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Technical Data

Nox-Rust® 8500

Water-Based Coating

Physical Data

Physical Properties	Typical Values
Appearance	Opaque, light-colored emulsion
Viscosity – Brookfield RV Spindle #6 @ 10 rpm	2,000 cps
Specific Gravity @ 60F (15.6C)	1.02
Density, Weight/Gallon @ 77F (25C)	8.5 ± 0.1 lbs./gallon
Recommended Dry Film Thickness over Metal Profile	1 to 2 mils
Theoretical Coverage @ Recommended DFT	425 sq. ft./gallon
Non-Volatile % by Weight	28 ± 1
Non-Volatile % by Volume	26.5 ± 1
Percent by Weight H2O	68.5
Percent by Weight of VOC	3.5
Volatile Organic Content (VOC), Maximum	0.98 Lbs./gal
Approximate Dry to Touch Time @ 77F (25C)	30 to 60 minutes
Cure Time	8 hours
pH	8

Accelerated Corrosion Tests:

5% Salt Spray (Hours)	
ASTM* B-117 @Recommended DFT (2 x 4 x 1/8 in. Polished Steel Panels)	168
100% Relative Humidity (Hours)	
ASTM D-1748 @Recommended DFT (2 x 4 x 1/8 in. Polished Steel Panels)	240

*ASTM (American Society for Testing and Materials)

Storage

Store sealed, in a dry location, out of direct sunlight in temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

Shelf Life

12 months from date of shipping, stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Store unused VCI liquid in a cool, dry place, away from direct sunlight. Storage outside these conditions voids this statement.

Note

Adequate ventilation is required for cure. Refer to SDS for additional handling and first aid information. The addition of any product over or under this coating is not recommended.

Removal

Removal is rarely required, except in some instances when metal is to be painted. Nox-Rust 8500 can be removed with solvent borne thinner (non-aromatic), vapor degreasing, hot alkaline wash, or low-pressure steam.

WARRANTY The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from defects in material and

workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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