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## PRODUCT INFORMATION

### NOX-RUST® X-110

#### Description

NOX-RUST® X-110 is a wax-based, solvent type, cold applied, corrosion preventative designed for use on ferrous and non-ferrous metals when exposed to indoor or outdoor storage conditions. NOX-RUST® X-110 deposits a transparent, firm, wax-like film that is readily

removable by conventionally used solvents or degreasing methods. NOX-RUST® X-110 is formulated to fulfill the requirements of MIL-C-16173E, Class I, Grade #4 Specification.

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#### Physical Properties

Appearance

Product:

Film:

Viscosity, Ford #4 Cup

Percent Non-Volatiles

Specific Gravity

Pounds per Gallon

Flash Point

Low Temperature Flexibility, -10°F, 90° Bend

VOC

#### Typical Values

Amber, low viscosity liquid

Non-tacky, amber, wax-like, transparent film

120-142 Sec. @ 77°F

50% by Weight

0.865

7.21

105°F (Min.)

Pass-no cracking or loss of adhesion.

3.6 lbs./gal.

#### Suggested Uses

- Overseas shipments of unpainted metal parts and engine housings, indoor or outdoor, with or without cover.
- Indoor protection of automotive body panels.
- Long-term, general purpose protection of metal parts, dies, tools, and rolls, where an easy-to-remove film is needed.

#### Protective Properties (Typical Values)

- Outdoor Exposure (Uncovered): 1 Year (Min.)
- Shed Exposure: 5 Years (Min.)
- Salt Spray (ASTM-B-117): 336 Hours (Min.)
- Humidity Cabinets (ASTM-D-1748): 1500 Hours (Min.)

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**SEE REVERSE SIDE FOR WARRANTY AND CAUTION STATEMENT**

## Surface Preparation

The maximum performance of NOX-RUST® X-110 can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Daubert Chemical Company recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

## Application

NOX-RUST® X-110 can be applied by dipping, brushing or spraying. When dipped, the wet applied film thickness ranges from 3.0 to 4.0 and will dry in 1 hour to a film thickness of 1.5 to 2.0 mils. Under these conditions, NOX-RUST® X-110 coverage is 700 sq/ft per gallon. NOX-RUST® X-110 cures by solvents evaporation. Adequate ventilation is required for cure, and also to prevent the formation of an explosive atmosphere. Further information is provided in the MSDS sheet.

## Removal

NOX-RUST® X-110 can be removed by using mineral spirits or kerosene-soaked towels. This product can also be removed by vapor degreasing.

## Storage

Store NOX-RUST® X-110 at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

## Caution

Adequate ventilation is required for cure and to ensure against formation of a combustible liquid. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. Refer to Daubert's Material Safety Data Sheet for additional handling and first aid information.

## Note:

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating as stated in the lab data section. If a product other than Daubert Chemical Company's recommended product is required, written authorization must be obtained from Daubert Chemical Company.

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CAUTION: The data, statements and recommendations set forth in this product information 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. 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 particular use or uses.

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**REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.**

**DAUBERT**  
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