

**PRODUCT
INFORMATION****NOX-RUST® X-128****Description**

NOX-RUST® X-128 is a thixotropic wax-based rustproofing compound designed to provide a long-term protective film for automotive primed or unprimed steel. This rustproofing compound will dry to a black colored, wax-like film that will repel water, self-heal, and remain

flexible at low temperatures. NOX-RUST® X-128 will pass all of the requirements of Military Specifications A-A-59295, Mil-C-62218-A and Mil-C-0083933. These specifications are titled *Corrosion Preventive Compound for New and Fielded Motor Vehicles and Trailers*.

Physical Properties

Odor
Appearance
Film
Specific Gravity
Weight per Gallon
Non-Volatile by Weight
Non-Volatile by Volume
VOC
Viscosity (77°F), Brookfield LV Spindle #3, at 30 RPM
Solvent Type
Flash Point
Dry Time

Typical Values

Mild, Petroleum-Solvent Odor
Black, Thixotropic Liquid
Black-colored, Wax-like Film
0.86
7.2
52%
47%
3.5 lbs/gal
10,000 cps
Mineral Spirits
105°F (min.)
4 Hours till Weatherproof
24 Hours Full Cure

Test Results – All tests in accordance to A-A-59295.

Test Substrate: 4 x 12-Inch Automotive Grade Cold Rolled Steel

Film Thickness: 10-11 Mils wet; 4-5 mils dry. *Dry Time:* 7 Days at 77°F.

3.4.2.1	Creep- Metal to Metal Overlap	Pass – Over 0.25-inch penetration.
3.4.3	Copper Corrosion	Pass – No effect on copper.
3.4.4	Fire Resistance	Pass – Dry film does not support combustion.
3.4.5	Detergent Resistance	Pass – Coating is not removed by carwash detergent.
3.4.6	Chip Resistance	Pass – No loss of adhesion at 0°C.
3.4.7	Solvent Vapor Wash	Pass – Coating does not flow due to solvent evaporation.
3.4.8	Condition to Touch	Pass – Coating dries to touch in 4 hours; thoroughly dry in 24 hours.
3.4.9.1	Low Temperature Stability	Pass – Low temperature is not detrimental to coating.
3.4.9.2	Low Temperature Sprayability	Pass – Coating sprays and forms a film at 40°F.
3.4.9.3	Low Temperature Flexibility	Pass – No cracking or loss of adhesion when bent at -20°F.
3.4.9.4	High Temperature Sprayability	Pass – Coating sprays without sagging at 100°F.
3.4.9.5	High Temperature Flow	Pass – Dry coating does not flow at 300°F.
3.4.9.6.1	Salt Fog 2000 Hours	Pass – Face corrosion less than 1%; scribe corrosion less than 1/8 inch from scribe.
3.4.9.7	Salt Water Immersion	Pass – No loss of adhesion or corrosion after 21 days.
3.4.9.8	Cyclic Environment Conditions	Pass – Less than 3% corrosion on panels after 30 cycles.

Surface Preparation

The maximum performance of NOX-RUST® X-128 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-128 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 Chemical Company. DO NOT THIN NOX-RUST® X-128. Incorrect thinning will affect film build, dry time and product performance. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application. NOX-RUST® X-128 can be spray or dip applied.

Removal

Wet and dried films of NOX-RUST® X-128 can be removed using mineral spirits or kerosene.

Storage

Store NOX-RUST® X-128 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.

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CHEMICAL COMPANY, INC.

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4700 South Central Avenue ■ Chicago, IL 60638 ■ 1-800-688-0459 ■ or 708-496-7350 ■ Fax: 708-496-7367

Visit our web site at www.daubert.com ■ Our e-mail is dauchem@daubert.com

