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

NOX-RUST® X-128 CLEAR 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 tan colored, wax-like film that will repel water, self-heal, and remain flexible at low temperatures. NOX-RUST® X-128 CLEAR 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*. NOX-RUST® X-128 CLEAR will also pass all the requirements of SAEJ 1804 specification titled *Corrosion Preventive Compound, Topside Vehicle Corrosion Protection*.

Physical Properties**Typical Values**

Odor	Mild, Petroleum-Solvent Odor
Appearance	Tan, Thixotropic Liquid
Film	Tan-colored, Wax-like Film
Specific Gravity	0.89
Weight per Gallon	7.4
Non-Volatile by Weight	54%
Non-Volatile by Volume	48%
VOC	3.4 lbs/gal
Viscosity (77°F.), Brookfield LV Spindle #4, at 60 RPM	1500 cps
Solvent Type	Mineral Spirits
Flash Point	105°F. (Min.)
Dry Time	4 Hrs. till Weatherproof 24 Hrs. Full Cure

Test Results

(See Pages 3 and 4)

Surface Preparation

The maximum performance of NOX-RUST® X-128 Clear 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 Clear 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 Clear. 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 Clear can be spray or dip applied.

Removal

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

Storage

Store NOX-RUST® X-128 Clear 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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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

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CHEMICAL COMPANY, INC.

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Test Results

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.

All Tests In Accordance To Mil-C-62218-A

SECTION	TEST	RESULTS
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
3.9.2	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.
Section 3.9.1	Salt Fog 1000 Hrs.	Pass - No evidence of Face corrosion.
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

Test Results

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.

All Tests In Accordance To Sae J1804

SECTION	TEST	RESULTS
3.9.1	Salt Fog 1000 hours	Pass - no evidence of corrosion on panel face.
3.9.2	Detergent Resistance + 1000 hrs. salt spray	1) Pass - Coating is not removed in detergent wash 2) Pass - no evidence of corrosion on panel face
3.9.3	Q.U.V. Thermal aging + 336 hrs. salt spray	1) Pass - no evidence of coating peeling, cracking 2) Pass - no evidence of corrosion on panel face
3.9.4	Reverse Impace (-20°F)	Pass - no loss of adhesion
3.9.5	Wet film high temperature flow 250°F, 20 min.	Pass - no evidence of flow at films to 20 mils wet.
3.9.6	Dry film high temperature flow, 302°F, 20 min.	Pass - no evidence of flow at film to 10 mils dry
3.9.7	Cyclic corrosion scab test <i>Corrosion at scribe</i> <i>Corrosion on panel face</i>	1) Pass - rating of 9 (less that 0.5 mm creepback from scribe) 2) Pass - no evidence of corrosion on panel face.
3.9.10	Solvent wash off	Pass - coating resist washing action of its own solvent in enclosed areas.
3.9.11	Cleveland condensing humidity	Pass - no evidence of corrosion on face of panel, film remains free of cracking, peeling or blistering.

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