

NOX-RUST® X-121**PRODUCT
INFORMATION****Description**

NOX-RUST® X-121 is a thixotropic wax-gel rustproofing compound designed to provide a long-term protective film for automotive primed and unprimed steel. NOX-RUST® X-

121 will dry to a firm wax-like film that will repel water, self-heal, and remain flexible at low temperatures.

Physical Properties

Application
Odor
Appearance
Film
Specific Gravity
Weight per Gallon
Non-Volatile by Weight
Non-Volatile by Volume
VOC
Viscosity @ 77°F (25°C) Spindle #5 @ 10 RPM
Solvent
Weight per Gallon of Solvent
Flash Point
Storage Stability

Typical Values

Low Pressure Airless Equipment
Mild Petroleum Odor
Tan Thixotropic Liquid
Firm, Wax-Like Film
0.89
7.4 Lbs/Gal
57-59%
51-53%
3.2-3.1 Lbs VOC/Gal
5,000-11,000 CPS
Mineral Spirits, Rule 66 Type
6.5 Lbs/Gal
105°F
1 Year Minimum

Performance Properties

Salt Spray (5% ASTM-B-117)
Q.U.V. (ASTM G-53-84)
Humidity (ASTM-D-1748)
Low Temperature Flexibility (Mil-C-0083933-A MR)
High Temperature Flow (Mil-C-0083933-A MR)
Fire Resistance (Mil-C-0083933-A MR)
Water Displacement (Mil-C-0083933-A MR)
GM Corrosion Cycles (FBTM 54-12 #C)

2000 Hours (Min.)
2000 Hours (Min.)
4000 Hours (Min.)
-20°F
350°F
Pass – will not support combustion
Pass – will displace condensed water off steel
Pass – 30 Cycles

Surface Preparation

The maximum performance of NOX-RUST® X-121 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-121 can be easily applied using low pressure airless equipment. For best results, Daubert recommends the following conditions:

Pump:	10:1 to 40:1
Hose:	3/8 ID Minimum
Air Pressure:	500-800 Lbs. At Tip
Tip:	Roto-Clean Type, Tungsten Carbide 3-17 to 3-25
Coverage Rate:	130 to 160 Sq.Ft./Gal.

NOX-RUST® X-121 has a thixotropic wax-gel that requires moderate stirring before use. Continuous agitation and thinning is not generally required. If product thickens due to solvent loss, add aliphatic mineral spirits. The recommended film thickness for NOX-RUST® X-121 is 10-12 mils wet (5-6 mils dry). The coating will dry to touch in four hours and be tack-free overnight.

DO NOT THIN NOX-RUST® X-121. 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-121 can be spray or dip applied.

Removal

NOX-RUST® X-121 can be removed using mineral spirits or kerosene.

Storage

Store NOX-RUST® X-121 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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