
NOX-RUST® 509

**PRODUCT
INFORMATION**

Description

A soft, lubricating grease which is good for the protection of ball and roller bearings. The coating is non-hardening and will give excellent protection under extreme conditions.

It does not become rigid at low temperatures and is stable against oxidation. Meets requirements for MIL-C-11796B, CLASS III, TYPE PRODUCT.

Protective Qualities

Open Shed:
Inside Storage
Corrosion Tests:

Accelerated Tests

Typical Values

Protection for 1 year minimum.
Up to 5 yrs when properly wrapped.
Show no evidence of corrosion on steel, magnesium, zinc, cadmium, aluminum and lead after exposure for 14 days @ 180° F. (82° C).
Protects SAE 1020 steel @ 120° F. (49° C) in 100% humidity for one month.

Nox-Rust® 509 may be used as a pressure-gun lubricant for bearings of machines in use as well as in storage, and it serves equally well as a rust preventive lubricant for axles, differentials, transmission shackle bolts and other similar parts.

Physical Properties

Application:

Removal:

Coverage:

Flash Point:
Setting Time:
Melting Point:
ASTM Penetration:
Oxidation Stability:

Typical Values

Hot dip @ 160-190° F. (71-88° C).
Brushable @ 60° F. (16° C)
Bearings or other precision parts should be absolutely clean and free from fingerprints.
Petroleum solvent, alkali cleaner, vapor degreasing. (Note: Does not need to be removed from bearings or similar parts before installation.)
Approx. 200 sq ft/lb (40.9 sq meters/Kg) at film thickness of .001 inches (0.025mm).
350° F. (177° C) minimum
Immediate
Approx. 160° F. (71° C)
200-325
In Norman Hoffman Bomb Test @ 210° F. (99° C) and 100 lbs (45 Kg) oxygen pressure for 100 hrs, with brass accelerator: maximum absorption 10 lbs (4.5 Kg).

Surface Preparation

The maximum performance of NOX-RUST® 509 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.

Storage

Store NOX-RUST® 509 at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

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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