



Technical Data

12701 S. Ridgeway Ave
Alsip, IL 60803
USA

Toll free: 800-535-3535
888-846-4299
Fax: 708-293-7765

Tel: 708-293-7750
E-mail: info@daubercromwell.com

NOX-RUST® 8500AL (Silver Anti-Corrosive Hard Shell Coating)

Nox-Rust **8500AL** is a water-based anti-corrosive coating designed to protect unfinished metal and industrial finishes against the damaging effects of acid and solid particle fall-out during transit and storage. Nox-Rust **8500AL** deposits a thin, clear film which is dry and tack-free to prevent dust and dirt pick-up.

Nox-Rust **8500** will provide the following to protect industrial finishes:

- Protects against normal oxidation and weathering.
- The firm film will help protect the surface from marring or scratching.
- Eliminates water spotting (lightened and discolored type) caused by acidic rains or hard water.
- Prevents rust stains on paint caused by flakes of rust or metal falling on surfaces during domestic and overseas transit.

TYPICAL PHYSICAL PROPERTIES

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|--|--------------------------|
| Appearance | Opaque, Silver Color |
| Solids by Weight | 28.6% |
| Solids by Volume | 26.3% |
| Weight per Gallon | 8.6 Lbs. |
| Specific Gravity | 1.03 |
| Viscosity - Brookfield RV Spindle #6 at 10 rpm | 2,000 cps |
| Percent by Weight H ² O | 61.9 |
| Percent by Weight of VOC | 2.8 |
| VOC (EPA Standard, EPA-450/3-84-019) | 0.75 Lbs/Gal minus Water |
| pH | 8-9 |

PERFORMANCE PROPERTIES

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|---|------------------------------|--|
| Panels sprayed to 6-8 mils wet resulting in a 1-2 mil dry coating. Substrates used were 3X6 R-type Q panels, 3X6 aluminum Q panels for humidity testing; 4X12 R-type Q panels and 4X12 aluminum Q panels for the rest of the testing. | | |
| Q Panel Cleveland Condensation Cabinet 100 hrs., 40°C | Steel | Adhesion is slightly reduced but coating remains tough. There is no evidence of corrosion under film. Coating returns to clear, glossy state when dry. |
| | Aluminum | Same results as observed for steel. There is no black staining of aluminum. |
| Salt Spray 168 hours | Steel | Adhesion is slightly reduced but coating remains tough. Coating has 5% corrosion, mostly on top and edges. |
| | Aluminum | Adhesion is slightly reduced but coating remains tough. There is no evidence of corrosion on panel. |
| Corrosion Cycles GM, Cycle "G" 10 Cycles | Steel | After removal from salt spray, coating shows no corrosion under film. Adhesion remains excellent. Coating does not yellow nor show any other defects. |
| | Aluminum | Same results as observed for steel. |
| High Temperature 4 hrs. @ 250°F. | Steel | Coating does not flow, sag, yellow, or lose adhesion during test. The clarity and gloss of the film is not affected. Slight tack of the film is noticed. |
| | Aluminum | Same results as observed for steel. There is no staining of the aluminum. |
| | White Automotive Topcoatings | Same results as observed for steel. There is no defect to the engine coating or topcoat. |
| Gravelometer -20°, SAE J-400 | | Pass. Gravelometer rating excellent. |
| Politic-Humidity and Thermal Cycle | | Pass. Coating does not peel, lift, bloom nor show other defects. |
| Detergent Wash Cycle Note #5 | | Pass. Coating is not affected by detergent and shows no surface defects. |
| Tack-free, 38°C, 120°C | | Material is tack-free at 38°C 40 minutes after application. Material shows slight tack at 120°C. If left in the oven overnight, the coating does not show. |
| Removability | | Material can be removed with soap and water up to one hour after application. |

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The data, statements and recommendations 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. Physical properties shown above represent typical values and are not intended for use in writing specifications. 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 use.

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