

AUTOGUARD RUST COATER

TECHNICAL DATA SHEET



AutoGuard



AutoGuard™ Rust Coater is a speciality polymer coating that is designed to coat directly over rust and corrosion on metal surfaces. Autoguard completely encapsulates rust, preventing it from spreading and permeating back through to the surface. It revitalizes existing steel on vehicles, equipment and structures to lengthen useful life and protect assets for several years. It may be used as a stand-alone finish or used as a primer for Autoguard Topcoats.

USES:

- » Agricultural Implements
- » Automotive & Truck
- » Heavy Equipment
- » Structures & Fencing
- » Marine Docks and Boats

ADVANTAGES:

- » Simple 1-step process
- » Fast-drying
- » Excellent adhesion
- » Superior scratch resistance
- » High chemical resistance

SUGGESTED APPLICATION:

AUTOGUARD RUST COATER is engineered to provide a high-performance protective coating that will prevent corrosion from spreading. Autoguard will also protect existing substrates from weathering and further corrosion stemming from exposure to moisture and chemicals such as salts, fertilizers, acids and alkali fumes. It may be used as a primer/ finish coat or as a primer under Autoguard Topcoats or other oil-based steel coatings.

SAFETY PRECAUTIONS:

Autoguard Rust Coater products contain chemicals that are harmful if inhaled, absorbed or swallowed. Please review and observe all cautions regarding for proper use.

- Environment: ONLY USE IN WELL VENTHILATED AREAS
- Eyes: USE PROPER EYE PROTECTION AT ALL TIMES
- Skin: AVOID CONTACT WITH SKIN. WEAR GLOVES, LONG PANTS AND SLEEVES
- Respirator: USE A 3M 6000 SERIES RESPIRATOR WITH SOLVENT RATED FILTER

ENVIRONMENTAL & HEALTH:

HARMFUL and irritating in contact with skin, eyes and by inhalation. Do Not use around fire, sparks or any other sources of combustion. See product label and/or safety data sheet for full safety precautions.

PACKAGING:

- » 1-qt cans
- » 1-gallon pails
- » 5-gallon pails
- » 55-gallon drums

SHELF LIFE & STORAGE:

- » Unopened: 12-months
- » Store in a cool, dry place
- » Remove any excess material from lip of can prior to resealing.

GENERAL PRODUCT INFORMATION

- Colors: Gloss Black (not for use in direct sunlight)
Silver Aluminum
- Solids Volume: 69%
- V.O.C.: 2.50 lbs/gal
- Dry Film Thickness: 2.0 - 3.0 mils max
- Coverage: @ 2 mils DFT = 563 ft²/gal.
Spray: 50-70% of actual coverage
- Drying Time: 72° F @ 50% R.H.
- To touch: 2-3 hours
- To recoat: 1-2 hours
- To topcoat: 3- 12 Hours Max *
- To handle: 3 hours

** If left beyond 6 hours, Autoguard Rust Coater will need to be scuffed and solvent wiped prior to topcoat.*

NOTE: Autoguard Rust Coater will cure faster and harder in higher humidity environments. Because material is moisture sensitive, any exposed and unused material will become unusable in 1-hour.

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULT
Salt Spray	ASTM B 117	3000 hrs
Impact (Dir / Ind)	ASTM D 2794	80 in lbs
Flexibility (mandrell)	ASTM D 522	No cracking 1"
Chemical Attack	MEK 2x Rubs	50+
QUV	ASTM D 4587	5000+ hrs

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TECHINCAL DATA SHEET

SURFACE PREPARATION

RUSTED SURFACES: Remove any loose rust with a wire brush, sandpaper, scotch bright pad or steel wool. Clean off any dust, debris or dirt from surface prior to application.

NEW or UNFINISHED SURFACES: For best performance, application over abrasive blasted surfaces is recommended. Commercial Blast Cleaning (SSPC-SP6) is recommended as the minimum for blast cleaning. Proper blast media and equipment should be used to achieve a minimum blast media depth of 1.5 mils. Do not reuse abrasive media. Remove blasting dust and grit from surfaces prior to painting. Blasted surfaces should be coated within 8 hours after blasting or prior to flash-rusting.

GALVANIZED METAL: Remove oil by pressure washing with a cleaning soap solution or "Brush Blasting" (SSPC-SP7) to create the best profile for maximum adhesion.

ALUMINUM: Etching with a phosphoric acid pretreatment solution is recommended for optimal adhesion. Clean all contaminants by scrubbing with a soap cleaning solution. Rinse clean and allow water to dry.

PREVIOUSLY PAINTED SURFACES: Remove gloss from previous paint by sanding or brush blasting (SSPC-SP7). Remove heavy chalk and loose paint by "Hand or Power Tool Cleaning" (SSPC-SP2 or -SP3). Avoid coating over latex based architectural paints. If doubt exists coating over previous system, apply coating to representative area and allow to cure / age for several weeks. Inspect for failure or adhesion issues, blistering or any other sign of incompatibility prior to proceeding with remainder of project. .

MIXING:

DO NOT SHAKE! Shaking can cause pressure in can to build up. Can should be opened carefully in case of pressure build up. Stir with stick. If entire contents are not to be used then dip out material with a small cup - avoiding any excess material build-up on the lip of the can. Seal any unused portion, taking great care to remove any excess material from the lip of the container. Left unsealed, any unused material will harden and become unusable. If any paint is left in the lip of the can, the lid will seal and become difficult to open.

APPLICATION INSTRUCTIONS:

Mixture: Autoguard is a one-component product. Stir & use.

Conditions: In order to obtain optimal film formation, the temperature should be at least 45°F and the

temperature of the substrate should be at least 15° above the dew-point.

Thinning: No thinning required

POT LIFE: At 68°F (20°C): 8 hours ; exposed material. Pot life and working time will be reduced in warmer, higher humidity environments.

APPLICATION: Product should always be applied outside or in a well ventilated area by brush or roller. The material may be sprayed, however a proper full air supply respirator and other proper safety equipment must be worn. For more information on spray application, please contact us directly at 260-665-8166 or email at info@. agriguardcoatings.com. Always wear gloves, safety glasses, long sleeves and paints to eliminate the potential for any skin contact. Material should be applied at an approximate thickness of 3-4 mils, yielding a dry film thickness of 2.5 mils.

BRUSH APPLICATION: Use a Bristle brush. Be sure not to apply excess paint. Dip brush and remove excess paint. Apply in an even fashion across the surface. Avoid going back and forth over the same area multiple times. If two coats are needed, allow the first coat to dry 1-2 hours before second coat is applied. If cured for more than 4-6 hours, preliminary coat should be scuffed up prior to re-coat.

ROLLER APPLICATION: Use a urethane or phenolic resin core short nap roller (3/16") Do not apply excess paint. Dip roller to clear off any excess paint. Apply with even passes over the surface, taking care not to overroll the material. If two coats are needed, please allow the preliminary coat to dry 1-2 hours prior to applying the second coat.

CLEAN UP: Use Xylene, Toluene or Lacquer Thinner

WARRANTY & DISCLAIMER

The technical data and other information provided within this document are true and accurate to the best of our knowledge. The products are warranted pursuant to acceptance of limited warranty, a copy of which can be acquired by contacting Autoguard coatings directly. The modification of any component or uses not outlined within this document nullifies the warranty unless advanced written confirmation is obtained from Autoguard coating systems. No other warranties expressed or implied shall apply. Autoguard coatings assumes no responsibility for coverage, performance or injuries resulting from use. Any liability shall be for replacement materials only as set forth in the limited warranty.

⚠ WARNING: This product can expose you to chemicals including Cumene which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

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Sustainable Coating Solutions



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