



Application Guideline

COLOR-GARD ROOF RESTORATION SYSTEM OVER METAL

To ensure warranty eligibility, each job must be approved by American WeatherStar before it begins.

PART 1 - GENERAL

1.01 DESCRIPTION

- A. The intention of this guideline is to outline the procedures for the application of American WeatherStar **COLOR-GARD SYSTEM** over **METAL ROOF SURFACES**. The **COLOR-GARD SYSTEM** is designed as a restoration system for architectural style metal roof panels. The benefit of this system is the is **HIGH-GLOSS ACRYLIC 215** that offers a high-gloss finish with color fade protection. The system is NOT a waterproofing system. If waterproofing is required, refer to the **COLOR-GARD + SYSTEM**. These suggested guidelines describe materials, methods, and conditions necessary for the proper application of the American WeatherStar roof coating system. Actual application requirements may vary and are the responsibility of the contractor.
- B. This guideline may not outline all procedures for preparation and finishing of penetrations, drains, flashings, etc. This work should be outlined separately by the contractor before the work commences and shall be performed observing good trade practices.

1.02 APPROVED APPLICATOR

All American WeatherStar products shall be applied by a single, experienced, and competent contractor approved by American WeatherStar.

PART 2 - PRODUCTS

2.01 COATINGS AND RELATED MATERIALS

All materials used shall be manufactured by and or approved by American WeatherStar and shall meet the following specifications:

2.02 ELASTOMERIC COATING SYSTEM

HIGH-GLOSS ACRYLIC 215

Type: Fluoropolymer coating
Viscosity: 100 ± 10 KU
Elongation: 300 ± 50%
Tensile strength: 1000 ± 50 psi
Volume solids: 40 ± 2%
Color: White (Custom Colors Avail.)

COLOR PRIME 915

Type: Rust primer/pre-treatment
Viscosity: 600-800 cps
Elongation: N/A
Tensile strength: N/A
Volume solids: 40% ± 1%
Color: Ivory

ECOCLEANER 925

Type: Surface Cleaner
VOC: 0 grams/liter
Color: Clear

2.03 DELIVERY AND STORAGE

- A. Materials shall be delivered in their original tightly-sealed containers or unopened packages, all clearly labeled with the manufacturer's name, file number, and batch numbers.
- B. Materials shall be stored out of the weather in their original tightly-sealed containers or unopened containers as recommended by the manufacturer.



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2.04 WARRANTY

- A. American WeatherStar warrants that the material supplied will meet or exceed physical properties as published. The contractor guarantees that workmanship will be free of defects in coating application. Since performance of existing roof substrate or previously applied coatings are beyond the control of American WeatherStar or the contractor, requests for additional warranty coverage shall be subject to prior approval by American WeatherStar.
- B. A ten year color fade warranty is available along with American WeatherStar's standard material warranty.
- C. Comply with manufacturer's warranty application procedures. A Pre-Project Inspection Report should be submitted and approved prior to job commencement.

PART 3 - INSTALLATION

3.01 SURFACE PREPARATION

- A. Preparation shall include all requirements specified by American WeatherStar to ensure proper adhesion of the American WeatherStar products to the substrate. (An adhesion test may be necessary.)
- B. New galvanized metal surfaces must be allowed to cure a minimum of 90 days prior to application or treated with surface conditioner approved by American WeatherStar.
- C. Thoroughly inspect roof for signs of rust degradation to include the underside of panels if possible. Hidden rust between panels or on the underside of the roof cannot be mitigated with the installation of a coating system.
- D. Preparation shall include, but not be limited to, the following:
 - 1. All unnecessary and non-functional equipment and debris shall be removed from the roof.
 - 2. Substrate must be pressure-washed (**ECOCLEANER 925** is recommended). A minimum working pressure of 3,000 psi shall be used to remove all dirt, dust, any previous paints or coatings which are delaminating, as well as waste products (oil, oil-based roof cements, solvents, grease, animal fats, etc.).
 - 3. Roto-spray tip is recommended to expedite metal panel cleaning. Power vacuuming, brooming, high-pressure air, hot water washing or any combination that assures a clean surface may be used.
 - 4. HVAC condensate drains shall be properly routed to roof drains or plumbed off the roof.
 - 5. All roof penetrations, curbs, vent stacks, laps, wall flashings, and related roof penetrations are to be flashed in accordance with roof manufacturer's specifications.
 - 6. Contractor shall make every effort to mechanically eliminate all ponding water areas on the roof surface prior to application of any roof-coating product.

3.02 PRIMER APPLICATION

- A. Examine substrate to receive roof coating. Do not proceed with installation of the American WeatherStar roof coating until all problem areas have been corrected in a manner acceptable to the manufacturer.
- B. Treatment of Residual Asphalt: Installer shall make every effort to remove all loosely adhered asphaltic roofing elements. Removal efforts must include the use of pressure-washers, scrapers, wire brushes, wire-wheels, or other similar tools.
- C. Entire roof must be primed with **COLOR-PRIME 915** at an approximate rate of 1 gallon per 100-200 square feet depending on severity of rust (If no rust is present, 1 gallon per 200 square feet is recommended).

Note: It is the applicator's responsibility to ensure proper application and mil thickness to adequately encapsulate remaining rust prior to application of base coat. Application rates above may require multiple passes to achieve adequate coverage. Please contact AWS for technical support with specific conditions.



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3.03 APPLICATION RATES

- A. **10 Year System Requirement (4-5 mil Color-Gard System)** *10-year color fade warranty*
1. **Base Coat:** Apply base coat of **HIGH-GLOSS ACRYLIC 215** roof coating at a rate of .33 gallon per 100 square feet. Ensure that ambient temperature is 60°F or above during application.
 2. **Top Coat:** Apply top coat of **HIGH-GLOSS ACRYLIC 215** roof coating at a rate of .33 gallon per 100 square feet. Ensure that ambient temperature is 50°F or above during application.

Note: Do not install High-Gloss Acrylic 215 above .5 gallons per 100 square feet (8 wet mils) in a single pass as the coating may run and/or crack.

- B. Each coat must be allowed to dry for 24-48 hours depending on humidity and temperature. The roof is to be inspected for defects, flaws or holidays and repaired and/or additional coating applied if necessary.
- C. Each contractor should estimate coating requirements based on actual experience and needs to figure in losses due to applicator experience, surface texture, wind, waste, and other factors that can affect actual gallons required.
- D. It is the applicator's responsibility to verify wet and dry mil thickness during the application process to ensure proper dry mil thickness of the total roofing system.

Note: A stretch factor of 15% should be used as an average to determine actual metal square footage. Please refer to the American WeatherStar Metal Roof Estimating Guide for more details.

3.04 RESTRICTIONS/LIMITATIONS

This system is to be used only in conjunction with commonly accepted roofing standards but not limited to the following:

- A. No application of materials shall commence during inclement weather or when precipitation is imminent.
- B. No materials are to be applied to wet, dirty, or frozen surfaces.
- C. In conjunction with the final inspection, all debris, containers, materials and equipment are to be properly removed from the job site. Grounds are to be cleaned, undamaged, and acceptable to the owner.
- D. Reflectivity of coatings may be reduced if roof surface is not cleaned on a regularly scheduled basis.
- E. Do not apply coating system over fiberglass or other non-weight bearing panels. Doing so may create a fall risk.
- F. **SKYLIGHT PANELS** shall not be coated to obscure visual detection of panels. Panels shall only be coated using **ACRYLIC SKYLIGHT SEALER 230**.

Caution: Do not apply within two hours of sunset, rain, fog or freezing temperatures. The American WeatherStar roof coating system must be completely dry before exposing to water or foot traffic. Keep American WeatherStar containers covered when not in use. Dispose of all containers in accordance with state and local environmental regulations. Keep away from children. If ingested, DO NOT induce vomiting. Call physician immediately.