



Application Guideline

WALL-COAT PREMIUM WALL COATING SYSTEM CONCRETE BLOCK & MASONRY

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 **WALL-COAT PREMIUM WALL COATING SYSTEM** for **CONCRETE BLOCK AND MASONRY**. These suggested specifications describe materials, methods, and conditions necessary for the proper application of American WeatherStar Coatings.
- B. Actual application requirements may vary and are the responsibility of the installer. Painted or treated surfaces must be approved by an American WeatherStar technical representative.
- C. Synthetic Stucco walls must have a recent moisture content report as well as approval by American WeatherStar.

1.02 APPROVED APPLICATOR

All American WeatherStar products shall be applied by a single, experienced, and competent Approved Contractor or applicator 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

ACRYLIC WALL COAT 2000

Type: Single-component water-based elastomeric wall coating
Elongation: $210 \pm 20\%$,
Tensile strength: 260 ± 20 psi
Volume solids: $50 \pm 2\%$
Color: White, Gray, Tan, Custom colors available

HIGH-PERFORMANCE ELASTOMERIC WALL COAT 2100

Type: Solar reflective coating
Elongation: $600 \pm 50\%$
Tensile strength: 500 ± 50 psi
Volume solids: $50 \pm 2\%$
Color: White, Gray, Tan, Custom colors available

ECOCLEANER 925

Type: Cleaner

CLEAR PRIME 9000

Type: Primer
Volume solids: $25\% \pm 2\%$
Color: Clear

ACRYLIC FLASHING-GRADE 222

Type: Flashing grade, brushable caulk
Viscosity: 90,000 cps $\pm 10,000$ cps
Elongation: 500%
Tensile strength: 100 ± 25 psi
Volume solids: $64\% \pm 2\%$
Color: White

TERMINATOR 624XT

Type: High-viscosity caulk grade
Elongation: 500%
Tensile strength: 200 psi
Volume solids: 100%
Color: White or gray



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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.

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 surface 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. 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. Verify that substrate has properly cured for a minimum of 30 days.
- C. Protect adjacent Work areas and finish surfaces from damage during coating system application.
- D. Clean walls using the **ECOCLEANER 925** (diluted 5:1). Apply diluted cleaner at a rate of 150 sq. ft per gallon. After 15 minutes' power wash using sufficient pressure to clean the surface but not so strong as to damage the masonry itself.
- E. Ensure that substrate is sound, clean, dry, and free of dust, dirt, oils, grease, laitance, efflorescence, mildew, fungus, biological residues, chemical contaminants, and other contaminants that could prevent proper adhesion.
- F. See primer instructions in section 3.02. Prime before making necessary repairs.
- G. Fill holes with **ACRYLIC FLASHING GRADE 222** and allow to cure.
- H. For all cracks up to ¼ inch, brush cracks with wire brush then seal with **ACRYLIC FLASHING GRADE 222** or **TERMINATOR 624**.
- I. For all cracks wide than ¼ inch, rout out to allow insertion of backer rod with at least a ¼ inch bead of **TERMINATOR 624** over it.

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.
 - 1. Stir primer thoroughly before application and apply at a rate of 1 gallon per 150 sq. ft..
 - a. Roller and Brush Applied:
 - 1. Apply primer by brush or with 3/4-inch (19 mm) to 1-inch (25 mm) nap roller.



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2. Work material uniformly onto wall, always maintaining wet edge.
3. Apply evenly over entire surface, producing uniform film. Do not overwork the material.
4. Allow primer to completely dry before top coating with selected elastomeric coating.
- b. Spray Applied:
 1. Apply primer with appropriate spray equipment.
 2. Apply in 1 continuous application over entire surface, producing an even, uniform film.
 3. Maintain wet edge during application.
 4. Back roll or back brush after spray application.
2. Curing
 - a. Drying time to touch is 2 to 4 hours at 70 degrees F (21 degrees C) and 50 percent relative humidity.

3.03 APPLICATION RATES

A. 5 Year System Requirement (16 mil System)

1. **Base Coat:** Apply base coat of **ACRYLIC WALL COAT 2000** at a rate 1 gallon per 100 sq. ft.
2. **Top Coat:** Apply top coat of **ACRYLIC WALL COAT 2000** at a rate of 1 gallon per 100 sq. ft.

B. 10 Year System Requirement (20 mil System)

1. **Base Coat:** Apply base coat of **HIGH-PERFORMANCE ELASTOMERIC WALL COAT 2100** at a rate 1.25 gallons per 100 sq. ft.
2. **Top Coat:** Apply top coat of **HIGH-PERFORMANCE ELASTOMERIC WALL COAT 2100** at a rate 1.25 gallons per 100 sq. ft.
- C. Each coat must be allowed to dry for 12-24 hours depending on humidity and temperature. The roof is to be inspected for defects, flaws or holidays and repaired if necessary.
- D. 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 gallons required.
- E. 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.

3.04 RESTRICTIONS/LIMITATIONS

This system is to be used only in conjunction with commonly accepted industry 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.

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



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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.