



Application Guideline WEATHER-GARD DECK COATING SYSTEM OVER CONCRETE & PLYWOOD DECK

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

PART 1 - GENERAL

1.01 DESCRIPTION

The intention of this guideline is to outline the procedures for the application of the American WeatherStar **WEATHER-GARD DECK COATING SYSTEM** for **CONCRETE AND PLYWOOD DECK**. These suggested guidelines describe materials, methods, and conditions necessary for the proper application of the American WeatherStar deck coating system. Actual application requirements may vary and are the responsibility of the contractor.

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

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

2.02 DECK COATING SYSTEM PRODUCTS

TERMINATOR 622

Type: Moisture-cured sealant
Viscosity: 30,000 cps
Elongation: 500% at 73°F ± 20%
Tensile strength: 200 psi at 73°F ± 20 psi
Volume solids: 100%
Color: White or gray

POLYESTER FABRIC

Type: Spunbound polyester
Viscosity: N/A
Tensile strength: 35 psi

ACRYLIC BONDING PRIMER 905

Type: Primer
Volume solids: 38% ± 2%
Color: Black

CLEAR PRIME 9000

Type: Primer
Volume solids: 25% ± 2%
Color: Clear

ECOCLEANER 925

Type: Primer

DECK COAT 2500

Type: Elastomeric coating
Viscosity: 130 ± 10 KU
Elongation: 400 ± 50%
Tensile strength: 600 ± 50 PSI
Volume solids: 50 ± 2%
Color: Dark Taupe, Coral, Light Taupe, Gray, Brick, Mushroom

TEXTURED DECK COAT 2600

Type: Slip-resistant elastomeric coating
Viscosity: 130 ± 10 KU
Elongation: 400 ± 50%
Tensile strength: 600 ± 50 PSI
Volume solids: 50 ± 2%
Color: Dark Taupe, Coral, Light Taupe, Gray, Brick, Mushroom



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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 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. 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. Using a clean stiff-bristled broom, sweep any heavy soiling such as dust, dirt, grease, peeling coating, or other foreign matter.
- B. Apply **ECOCLEANER 925** (diluted 5:1) with a low-pressure sprayer (such as a garden sprayer) at a rate of 1 gallon per 150 feet.
- C. Power wash all surfaces with a minimum of 2000 psi using a wide fax tip. Failure to use a power washer will result in poor coating adhesion. Rinse completely. Water should be clear with no soap bubbles. Surface must be completely dry before application.

3.02 PRIMER APPLICATION

Each surface should be primed to ensure adhesion of the deck coating system. See specifics for each surface in the **PREPARATION FOR COATING (3.03)** section below.

3.03 PREPARATION FOR COATING

A. Concrete

- 1. Deck must be structural concrete. Allow fresh concrete to cure a minimum of 30 days, prime with **CLEAR PRIME 9000** at a rate of 200 square feet per gallon.
- 2. Surface should be free from holes or voids and not shiny.
- 3. If masonry has white powder residue on surface, etch the surface by applying diluted muriatic acid (3 parts water:1-part acid) at a rate of 75 square feet per quart following all directions and safety precautions. After 3 minutes, scrub the surface with a stiff brush and rinse thoroughly until all acid and residue is removed. Allow surface to dry for a minimum of 48 hours.

B. Previously Coated Surfaces

- 1. Clean the surface with **ECOCLEANER 925**. Rinse surface thoroughly to ensure no cleaner residue remains on the surface. Allow surface to dry for at least 48 hours. Surface must be completely dry before application.



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2. Prime surface with **CLEAR PRIME 9000** at a rate of 1 gallon per 200 square feet over entire surface before applying first coat.
3. Glossy surfaces should be lightly sanded to improve primer application.
4. An adhesion test is recommended to ensure adhesion.

C. Plywood

Not recommended for plywood decks if joints and cracks exceed 1/8" wide. Allow surface to dry for at least 48 hours. Surface must be completely dry before primer application. Prime surface with **ACRYLIC BONDING PRIMER 905** at a rate of 1 gallon per 200 square feet over entire surface before applying first coat.

3.04 REPAIRING CRACKS AND SEAMS

- A. Trim **TERMINATOR 622** cartridge nozzle to obtain desired bead diameter and nozzle angle.
- B. Apply **TERMINATOR 622** to all joints, fastener depressions, cracks, as well as all transitions from the flashing to deck. Joint and crack should not exceed 3/8" wide. If width is greater than 3/8", use backer rod. Smooth flush with deck surface using a trowel.
- C. Allow **TERMINATOR 622** to cure, then install 4" **POLYESTER FABRIC**. Utilizing a three-course method, apply **DECK COAT 2500** to all seams, joints, and cracks (16 wet mils).
- D. Lay **POLYESTER FABRIC** into the wet **DECK COAT 2500**.
- E. Apply another layer of **DECK COAT 2500** (24 wet mils) over the **POLYESTER FABRIC**.
- F. Ensure **POLYESTER FABRIC** has no fish mouth cavities, wrinkles, bare spots, or other defects, and repair as needed.

3.05 APPLICATION RATES

- A. **5 Year System Requirement (25 mil Acrylic System)**
 1. **Base Coat:** Apply base coat of **DECK COAT 2500** at a rate of 1 gallon per 100 square feet.
 2. **First Intermediate Coat:** Apply a second coat of **DECK COAT 2500** at a rate of 1 gallon per 100 square feet.
 3. **Second Intermediate Coat:** apply a coat of **TEXTURED DECK COAT 2600** at a rate of 0.75 gallon per 100 square feet.
 4. **Top Coat:** Apply a top coat of **TEXTURED DECK COAT 2600** at a rate of 0.75 gallon per 100 square feet.
- B. Each coat must be allowed to dry for 24-48 hours depending on humidity and temperature. The deck is to be inspected for defects, flaws or holidays and repaired 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 system.

3.06 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.



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- B. No thinning of materials is permitted.
- C. No materials are to be applied to wet, dirty, or frozen surfaces.
- D. 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.

Caution: Do not apply within two hours of sunset, rain, fog or freezing temperatures. The American WeatherStar deck 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.