

## WEATHERLAST ELASTOMERIC ARCHITECTURAL COATINGS AND RESTORATION PRODUCTS

### PART I - GENERAL

#### 1.01 SCOPE

- A. Provide all labor, materials and equipment necessary to apply the Weatherlast products over exterior concrete, stucco, masonry and exterior insulation and finish systems (EIFS).

#### 1.02 RELATED SECTIONS

- A. Unit Masonry - 04 20 00  
B. Concrete - 03 00 00  
C. Joint Protection - 07 90 00  
D. Exterior Insulation and Finish System - 07 24 00

#### 1.03 DESCRIPTION

- A. The Dryvit Weatherlast products include elastomeric coatings and finishes, acrylic coatings and primers, for use over exterior concrete, masonry, stucco and exterior insulation and finish systems (EIFS).

#### 1.04 SUBMITTALS

- A. Samples
1. The applicator shall submit two (2) 2 ft x 4 ft (.61 m x 1.2 m) samples of the proposed finish to the architect and/or owner for approval. **NOTE: Weatherlastic® finish colors appear slightly darker than the same color in a Dryvit DPR finish. Exact color match from batch to batch cannot be guaranteed.**
- B. Mock-up
1. A minimum 8 ft x 8 ft (2.4 m x 2.4 m) area of actual project or mock-up wall shall be coated with the accepted finish to establish a standard of acceptance by the owner, architect or project manager.
- C. Manufacturer's Information
1. Submit manufacturer's product information and specifications.

#### 1.05 QUALITY ASSURANCE

- A. Qualifications
1. System Manufacturer: Shall be Dryvit Systems, Inc. All materials shall be obtained from Dryvit Systems, Inc. or its authorized distributors.
    - a. Materials shall be manufactured at a facility covered by a current ISO 9001:2008 and ISO 14001:2004 certification. Certification of the facility shall be done by a registrar accredited by the American National Standards Institute, Registrar Accreditation Board (ANSI-RAB).
  2. The applicator shall be knowledgeable in the application of exterior acrylic and elastomeric architectural finishes and coatings.
- B. Substrates
1. Application of Weatherlast products shall be applied only to the following substrates when prepared in accordance with this specification.
    - a. Sound unglazed brick, unit masonry or concrete.
    - b. Sound stucco.
    - c. Sound exterior insulation and finish systems (EIFS).
  2. The applicator shall verify that the proposed substrate is acceptable prior to application of Weatherlast products.

#### 1.06 DELIVERY, STORAGE AND HANDLING

- A. All Weatherlast materials shall be delivered to the job site in the original, unopened packages with labels intact.
- B. Upon arrival, materials shall be inspected for physical damage, freezing or overheating. Questionable materials shall not be used.
1. All Weatherlast materials shall be stored at the job site, and at all times, in a cool, dry location, out of direct sunlight, protected from weather and other damage. Minimum storage temperature shall be 45 °F (7 °C) for Weathercoat™ and 40 °F (4 °C) for Weatherlastic finishes, and Weatherprime®.
  2. For all other products, refer to specific product data sheets.
- C. Maximum storage temperature shall not exceed 100 °F (38 °C). **NOTE: Minimize exposure of materials to temperatures over 90 °F (32 °C). Finishes exposed to temperatures over 110 °F (43 °C) for even short periods may exhibit skinning, increased viscosity and should be inspected prior to use.**

**1.07 JOB CONDITIONS**

- A. Existing conditions: The applicator shall have access to electric power, clean water and a clean work area at the location where the Weatherlast materials are to be installed.
- B. Environmental Conditions:
  - 1. The ambient air and wall temperatures shall be from 40 °F (4 °C) minimum to 100 °F (38 °C) maximum for application of Weatherlastic finishes and Weatherprime, and 45 °F (7 °C) minimum to 100 °F (38 °C) maximum for Weathercoat™. The temperature shall remain so for at least 24 hours thereafter, or longer if necessary for the materials to be sufficiently dried.
- C. Protection
  - 1. Adjacent areas/materials shall be protected from damage, drops and spills during the application of Weatherlast materials.
  - 2. The Weatherlast materials shall be protected by permanent or temporary means from weather and other damage, prior to during, and immediately after application. Care must be taken to prevent condensation and/or heat buildup when using tarp or plastic to prevent damage to the Weatherlast materials.
- D. Sequencing and Scheduling:
  - 1. Application of the Weatherlast materials shall be coordinated with other construction trades.
  - 2. Sufficient labor and equipment shall be employed to ensure a continuous operation, free of cold joints, texture variations, scaffold lines, etc.

**1.08 LIMITED MATERIALS WARRANTY**

- A. Dryvit shall offer a written Limited Materials Warranty upon receipt of a properly executed warranty request and completed project form.

**1.09 DESIGN RESPONSIBILITY**

- A. It is the responsibility of the specifier to determine if a product is suitable for its intended use. The specifier selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings, etc. Dryvit has prepared guidelines in the form of specifications, installation details, and product data sheets to facilitate the design process only. Dryvit Systems, Inc. is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings, etc. or for any changes which specifiers or their appointed representatives may make to Dryvit's published comments.

**1.10 MAINTENANCE**

- A. All Dryvit products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit publication DS152 on Cleaning & Recoating.

**PART II - PRODUCTS****2.01 GENERAL**

- A. All Weatherlast products shall be supplied by and obtained from Dryvit or its authorized distributors. Substitutions or addition of other materials will void the warranty.

**2.02 COMPONENTS**

- A. Weatherlastic Elastomeric Finishes and Coatings:
  - 1. Weatherlastic Quarzputz®: A 100% acrylic based finish utilizing an elastomeric binder with a coarse aggregate producing an open textured pattern in a regular or random style.
  - 2. Weatherlastic Sandpebble®: A 100% acrylic based finish utilizing an elastomeric binder with a pebble like texture.
  - 3. Weatherlastic Sandpebble® Fine: A 100% acrylic based finish utilizing an elastomeric binder with a fine, pebble like texture.
  - 4. Weatherlastic Adobe®: A 100% acrylic based finish utilizing an elastomeric binder with a smooth fine sand texture.
  - 5. Weatherlastic Smooth®: A smooth, nontextured 100% acrylic based coating utilizing an elastomeric binder.
- B. Weathercoat Acrylic Coating: A smooth, nontextured 100% acrylic emulsion based exterior coating.
- C. Weatherprime Acrylic Primer: A pigmented, exterior acrylic primer.

**2.03 MATERIALS**

- A. Water: Shall be clean and potable.

## B. Patching Material

1. The following products have been evaluated and found to be compatible with Weatherlast products:
  - a. #5100 Plastiflex<sup>®</sup> Elastomeric Adhesive Caulk (brush grade) - Available from Scott Paint (www.scottpaint.com) (1-800-282-2016)
  - b. #5200 Plastiflex Elastomeric Patching Compound (knife grade) - Available from Scott Paint (www.scottpaint.com) (1-800-282-2016)

**NOTE: Dryvit does not warrant the performance of the Scott Paint products.**

**2.04 EQUIPMENT**

- A. Mixing shall be done with a clean Goldblatt Jiffler Mixer #15311H7 or equivalent powered by a 1/2 in (12.7 mm) drill at 400-500 RPM.
- B. Tools associated with the plastering and painting trades.

**PART III - EXECUTION****3.01 INSPECTION**

- A. Examination of Substrate.
  1. Ensure that the substrate is of a type and condition listed in Section 1.05.B.
- B. Ensure that minimum application temperatures are met per Section 1.07.B.

**3.02 SUBSTRATE PREPARATION FOR WEATHERLASTIC ELASTOMERIC FINISHES**

- A. Coated Substrates
  1. Shall be cleaned to remove all chalk, dirt, dust, loose coatings and other foreign materials.
  2. Loose, delaminated or spalled areas shall be repaired with an appropriate patching compound compatible with the substrate material.
- B. Noncoated Surfaces
  1. Surfaces shall be cleaned and free of dirt, dust, form release agents or other foreign matter which may interfere with the bond of a finish coating.
  2. Loose, delaminated or spalled masonry, stucco or concrete surfaces shall be repaired with an appropriate cementitious patching compound and allowed to cure a minimum of 7 days.
  3. Concrete shall cure for a minimum of 28 days prior to application of the Weatherlast products.
  4. Prime surfaces with Weatherprime acrylic primer.
  5. Terminations and juncture of dissimilar materials:
    - a. Caulk as necessary using compatible sealant.
    - b. Sealant shall be compatible with Dryvit products. Refer to Dryvit Publication DS153 for current listing.
    - c. Weatherlast materials shall be fully dried prior to sealant installation.
- C. New Construction
  1. Stucco
    - a. Stucco shall be dry and fully cured for a minimum of 7 days prior to application of coatings.
    - b. Clean stucco walls to ensure removal of dirt, dust, efflorescence or any other foreign matter which may interfere with bond of a surface coating.
    - c. Prime stucco surface with Weatherprime acrylic primer.
  2. Masonry
    - a. Remove all fins, mortar droppings, etc. and ensure that mortar joints are sound and free of cracks or voids.
    - b. Surface should be clean, dry and free of dust, dirt, or other foreign matter which may interfere with application or bond of a surface coating.
      1. Surface shall be cleaned in accordance with ASTM D 4261 Standard Practice For Surface Cleaning Concrete Unit Masonry For Coating.
    - c. Face of block shall be filled with a block filler or cementitious parge coat and allowed to dry. As an alternate, Dryvit Genesis<sup>®</sup> may be used to skim block.
    - d. Prime surface with Weatherprime acrylic primer.
  3. Concrete; precast, tilt-up, poured-in-place
    - a. Concrete shall be allowed to cure a minimum of 28 days prior to application of surface coatings.
    - b. Surfaces shall be free of dirt, dust, form release agents, efflorescence, curing compounds, etc.
    - c. Very smooth precast or poured-in-place concrete shall be cleaned by appropriate methods to ensure a proper bond of surface coatings. Refer to:
      1. ASTM D 4260: Standard Practice For Acid Etching Concrete.
      2. ASTM D 4258: Standard Practice For Surface Cleaning Concrete For Coating.
      3. ASTM D 4259: Standard Practice For Abrading Concrete.
    - d. Apply Weatherprime acrylic primer to the concrete surface and allow to dry.

- D. Cracks shall be treated as follows:
1. Static cracks up to 1/32 in (.8 mm) can be bridged by Weatherlastic finishes without special treatment.
  2. Static cracks up to 1/8 in (3.2 mm) in width.
    - a. Remove all loose material and clean the crack.
    - b. Apply compatible knife or brush grade patch compound directly over the crack and feather out a minimum of 4 in (102 mm) on each side.
  3. Static cracks 1/8 in to 1/4 in (3.2 mm to 6.4 mm) wide in concrete, CMU or stucco.
    - a. Chip or grind out crack to a minimum 1/4 in (6.4 mm) wide by 1/4 in (6.4 mm) deep groove.
    - b. Clean and remove all loose materials.
    - c. Fill groove with compatible knife grade patch compound.
    - d. Bridge crack with compatible brush grade patch compound. Apply at approximately 1/4 in (6.4 mm) thickness over the crack and feather out a minimum of 4 in (102 mm) on each side.
  4. Static cracks over 1/4 in (6.4 mm) wide in concrete, CMU, or stucco.
    - a. Clean and remove all loose and unsound material from crack.
    - b. Repair crack with non-shrinking cementitious patching mortar or cement plaster mix and allow to cure a minimum of 7 days.
    - c. Coat with Weatherprime and top dress with a compatible brush grade patching material if necessary.
  5. Dynamic cracks 1/16 in to 1/2 in (1.6 mm to 12.7 mm) wide in concrete, CMU, or stucco.
    - a. Chip or grind out the crack so that the width is equal to the depth, but not less than 1/4 in (6.4 mm).
    - b. Clean and remove all loose material from crack.
    - c. Fill the crack with a high grade urethane sealant. Tool into joint and allow to cure minimum 24 hours.
    - d. Apply a coat of compatible brush grade patch compound over the crack and feather out to a minimum of 4 in (102 mm) on each side.
  6. Prime patched surfaces with Weatherprime acrylic primer.
  7. Cracks in EIFS systems shall be repaired using procedures described in Dryvit publication DS498.
  8. EIFS surfaces shall be skimmed out with Dryvit NCB™ or Freestyle® to fill in texture prior to application of textured Weatherlast finishes.

### 3.03 WEATHERLASTIC FINISH APPLICATION

- A. The substrate and substrate preparation shall be inspected by the contractor to ensure it is in compliance with this specification.
- B. Mixing
1. Mix the Weatherlastic finish thoroughly to a uniform homogeneous consistency using a Goldblatt Jiffler Mixer No. 15311H7 powered by a 1/2 in (12.7 mm) drill 400-500 RPM or equivalent. Mix until a uniform workable consistency is attained.
- C. General
1. The Weatherlastic finish can be brush, spray or trowel applied in accordance with specific product instructions.
  2. No additives shall be added under any circumstances.
  3. The finish shall be applied to the entire wall surface in a continuous application to a natural break.
  4. Finish shall be protected from airborne contamination such as dust, soot, etc. and from weather and other damage until fully dried.
- D. Weatherlastic Quarzputz, Sandpebble, Sandpebble Fine
1. A tight coat shall be applied to the prepared substrate. When trowel applied, leveling and texture shall take place in one operation.
  2. The thickness shall be not greater than 1 1/2 times the thickness of the largest aggregate.
- E. Weatherlastic Adobe
1. Using a stainless steel trowel, apply the Adobe finish in two separate passes, each approximately 1/64 in (.4 mm) thick. Allow the first coat to take up sufficiently so that it is not disturbed by the second coat.
  2. Using a stainless steel trowel or pool trowel, smooth the surface of the second coat, applying a water mist by atomizer bottle. Trowel to desired smoothness. This trowel motion and water misting will cause the finish to take on a smooth, mottled color appearance similar to a Southwestern Adobe style.
- F. Weatherlastic Smooth Coating Application
1. Brush application recommended only for cutting in and trim, not for entire wall elevation.
    - a. Nylon bristle brush is recommended.
    - b. For best performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied.
  2. Roller Application
    - a. Minimum 10 in (254 mm) wide roller cover with 1 1/4 in - 1 1/2 in (32 mm – 38 mm) nap is recommended.

- b. Completely saturate the rollcover and keep the roller loaded with coating to avoid foaming. Do not dry-roll or over-roll as this will cause excessive entrapment of air within the coating.
- c. For best performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied. Two coats of approximately 11 wet mils per coat are recommended.

### 3. Spray Application

- a. Application by airless spray equipment or mastic pump and gun allows application of coating at total required application rate with a minimum of stipple or thickness variations.
- b. Equipment should have the capacity to pump minimum of two gallons of coating per minute.
- c. Material hose should be minimum 1/2 in (12.7 mm) I.D. for spraying coating more than a 50 ft (15.2 m) length. Minimum bursting of 800 lbs (360 kg) is recommended.
- d. Tip orifice sizes of .021-.032 will be required depending on equipment used. e. Cross apply coating holding spray gun perpendicular to, and approximately 3 ft (1 m) from the surface. Avoid excessive material build-up by holding spray gun away from the wall when pulling the trigger, then bringing gun across area to be coated. Maintain a wet edge, and avoid starting and stopping in the middle of the wall. Do not attempt to overreach spray pattern as this may result in appearance of irregular spray pattern. Place scaffolding and equipment to facilitate quick application without numerous interruptions.
- f. A 10% loss from overspray should be anticipated.
- g. Backrolling over sprayed areas is recommended to control pinholing on spray applications over textured or porous surfaces.
- h. All sprayed applications must be free of pinholes to insure waterproofing performance.
- i. For best performance, a minimum 11 mils dry film thickness (22 mils wet film thickness), shall be applied.

### G. Weatherprime, Weathercoat

1. Shall be applied to recommended coverage rate by brush, roller or airless spray equipment.
2. A maximum 3/4 in (19 mm) nap polyester or polyester blend with nylon or lamb's wool, beveled ends and phenolic core is recommended.
3. An 18 in (457 mm) wide roller frame with 2 1/4 in (57 mm) inside diameter roller is recommended.
4. Apply in a continuous application, maintaining a wet edge, to a natural break.

### 3.04 FIELD QUALITY CONTROL

- A. Dryvit assumes no responsibility for on-site inspections. Dryvit Systems, Inc. and/or its distributors will provide field service support if reasonably requested by the applicator. The designer, general contractor, or their appointed representative should make periodic on-site inspections to ensure that the Dryvit materials are being installed in strict accordance with Dryvit's specifications. The applicator shall be responsible for the proper application of the Dryvit materials. Dryvit assumes no liability or responsibility for the applicator's workmanship. **NOTE: Weatherlastic finish colors appear darker than the same color in a Dryvit DPR finish. Exact color match from batch to batch cannot be guaranteed.**
- B. If requested, the applicator shall certify in writing the quality of work performed relative to the substrate system, details, installation procedures and workmanship is in accordance with project specifications and manufacturer's instructions.
- C. If requested, the sealant applicator shall certify in writing that the sealant application is in accordance with the sealant manufacturer's and Dryvit's recommendations.

### 3.05 Clean-Up

- A. Materials left over by the applicator at the job site shall be removed by the applicator.
- B. The applicator shall clean adjacent materials and surfaces and the work area of foreign materials resulting from their work

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