



SPECIFICATIONS

07140,09960 ELASTOMERIC WALL COATING
TYPE WALL SURFACE: CONCRETE, MASONRY, STUCCO
TYPE PRODUCTS: ACRYLASTIC 490

PART 1: GENERAL

1.01 Work Included

- A. Work includes application of Davlin Coatings' Acrylastic Elastomeric Wall Coating System over existing concrete, masonry or stucco surface.
- B. All parts of the "Wall Specifications" or "General Requirements" and the manufacturer's installation details are pertinent to this specification.

1.02 Work Not Included

- A. Any modification to building design or wall mounted equipment and/or accessories not found to be part of this specification.

1.03 System Description

- A. A waterborne system comprised of a primer/sealer (Butylseal 572), a high-performance single-component elastomeric coating (Acrylastic 490) and a 100% Acrylic top coat (Sunshield 3800).

1.04 References

- A. American Society for Testing and Materials (ASTM)

1.05 Submittals

- A. Contractor shall furnish the following documents with bid:
 - 1. Proposed start date, number of working days, and schedule of planned process across building.
 - 2. Manufacturer's installation instructions.

1.06 Delivery, Storage, and Handling of Materials

- A. Delivery of materials to the work site in unopened packages bearing the manufacturer's labels.
- B. All materials shall be stored off ground in dry areas which will protect the materials from freezing. Store all materials at room temperature to assure proper application.

1.07 Project Conditions/ Davlin Products

- A. Do not apply over water-saturated surfaces.
- B. Do not apply over surfaces contaminated with materials which can act as release agents.
- C. Do not apply during, or 24 hours preceding, inclement weather including rain, fog, mist, dew, or freezing temperatures.
- D. Do not apply when surface or air temperature is below 45° F.
- E. When surface or air temperature exceeds 110° F. consult Davlin for special application instructions.
- F. Do not apply over old coating which is or may become loose.
- G. Do not apply over surface which contains bacteria, mold or mildew.

1.08 Safety / Coordination

- A. All application, material handling and associated equipment shall conform to and be operated in conformance with OSHA safety requirements.
- B. Davlin's Material Safety Data Sheets (MSDS) shall be read, understood and instructions adhered to.

PART 2: PRODUCTS

2.01 Manufacturer

- A. Product manufactured or accepted by Davlin Coatings, Inc.

2.02 Materials

- A. Primer/Sealer: Davlin Coatings Butylseal 572
- B. Elastomeric Coating: Davlin Coatings Acrylastic 490
 - 1. ASTM D2370 Tensile Strength p.s.i.: 2400
 - 2. ASTM D2370 Tensile Elongation, % at break: 1400
 - 3. ASTM E96 Procedure B, Moisture Transmission - perms: 1.2
- C. Top Coat: Davlin Coatings Sunshield 3800
- D. Caulking: Davlin Coatings Acryflex 1210

PART 3: EXECUTION

3.01 Preparation

- A. All concrete or masonry surfaces shall be clean, free from dirt, release agents, wax, mildew and all other foreign substances. Remove contaminants mechanically or by power washing.
- B. Any current coating lacking excellent adhesion to existing substrate shall be removed.
- C. Any metal surfaces that are not galvanized shall be primed with a suitable metal primer.
- D. Applicator shall protect all property during preparation.
- E. Applicator shall clean up all residues resulting from preparatory work.

3.02 Application

- A. Prime Coat.
 1. Apply Butylseal 572 as the prime coat over all areas to be coated at the approximate rate of 100-300 square feet per gallon. Coverage rate will vary depending on surface irregularities and porosity. Apply liberally to the existing wall coating at the saturation rate.
 2. Use caution when applying Butylseal 572 so as to avoid contact with surfaces not to be coated including windows, caulking, walkways, etc.
 3. Allow to dry before applying first coat of Acrylastic 490. At ambient temperatures this should take 4-8 hours. At temperatures significantly lower and/or when humidity is much above 60% allow a longer time. If in doubt, allow Butylseal 572 to dry overnight.
 4. Dry time is defined as that amount of time required for the coating to form a film to such a degree that when one's thumb is pressed firmly to the coating, none of the coating will adhere to the thumb.
- B. Cracks
 1. Prime all cracks with Butylseal 572. For cracks 1/32 inch or less apply Acrylastic 490 and roll in. On larger cracks not exceeding 3/8 inch, fill with Acryflex 1210. On cracks exceeding 3/8 inch, treat as expansion joint using a polyurethane foam backer rod and an expansion joint compound or repair with a masonry patching compound. Allow to dry.
 2. For structural cracks and expansion joints consult Davlin.
- C. Acrylastic 490
 1. For a 5 or 10 year system, apply the first coat of Acrylastic 490 at the approximate rate of 100 square feet per gallon to all areas (16 wet mils). Use a wet film gauge to check mil thickness periodically. Allow to dry. Dry film thickness should be no less than 8 mils.
 2. For 10 year system apply a second coat of Acrylastic 490 perpendicular to the first at the approximate rate of 100 square feet per gallon (16 wet mils) over all areas to be coated. Use a wet film gauge to check mil thickness periodically. The total DFT of both coats should be no less than 16 mils.. Allow a minimum of 24 hours for this second coat of Acrylastic 490 to dry before applying the Sunshield 3800.
 3. Acrylastic 490 is supplied as a single-component coating. Mix cans thoroughly as needed until homogeneous. Avoid excessive agitation to prevent air entrapment and resultant pinholing in film.
 4. Acrylastic 490 is supplied as ready-mixed. Do not reduce with water or solvents.
 5. Use caution when applying Acrylastic 490 so as to avoid contact with surfaces not to be coated such as windows, sealants and walkways.
- D. Sunshield 3800.
 1. Apply Sunshield 3800 as the topcoat evenly at a rate of between 250 to 300 square feet per gallon in one coat. Provide a minimum DFT of 2 mils.

3.02 Inspection/Quality Control

- A. Certification. The applicator, upon completion of the job, and prior to issuing a warranty by Davlin, shall complete the "Warranty Application" certifying to both building owner representative and Davlin Coatings, Inc. that the Acrylastic 490 coating system (exclusive of Sunshield 3800) has been applied to all surfaces at a minimum combined dry film thickness of 8 mils for a 5 year system or 16 mils for a 10 year system.
- B. Upon completion of job, all equipment, tools, coatings, etc. shall be removed from job site. All spillages shall be removed, all broken property repaired, all disconnected property reconnected.

3.04 Cleaning

- A. Remove trash and debris. Repair damage. Remove stains from walls and walkways caused by work of this section.

END OF SECTION