



# SPECIFICATIONS

## PART 1: GENERAL

**07140 WATERPROOFING URETHANE FOAM**  
**TYPE ROOF MEMBRANE: URETHANE FOAM**  
**TYPE PRODUCTS: ACRYLASTIC 510**

### I.01 Work Included

- A. Work includes application of Davlin Coatings' Acrylastic Elastomeric Waterproof Coating System over existing urethane roofing.
- B. All parts of the "Roofing Specifications" or "General Requirements" and the manufacturer's installation details are pertinent to this specification.
- C. Note: This system is not recommended when foam roof deck is damaged and/or deteriorated.

### I.02 Work Not Included

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

### I.03 System Description

- A. A waterborne system comprised of a high-performance single-component elastomeric waterproof roof coating Acrylastic 510.

### I.04 References

- A. American Society for Testing and Materials (ASTM)
  - 1. ASTM D2370 Tensile Strength p.s.i.: Acrylastic 510 ..... 1400
  - 2. ASTM D2370 Tensile Elongation, % at break: Acrylastic 510 ..... 2100
  - 3. ASTM E96 Procedure B, Moisture Transmission - perms: Acrylastic 510 ..... 1.2
  - 4. ASTM D822 Accelerated Weathering, 5000 hours: Acrylastic 510 ..... no chalking, no sheen loss, no degradation

### I.05 Submittals

- A. Roofing 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.

### I.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 in dry areas in accordance with the instructions of the manufacturer prior to their application or installation.
- C. Do not permit construction materials or equipment to be used or stored in such a manner as to damage decking or completed roofing.

### I.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 to roof on which the foam substrate is damaged or deteriorated.

### I.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.
- C. A sufficient number of filled and operating fire extinguishers meeting current code standards must be on the roof deck at all times during application of roofing materials.

## **PART 2: PRODUCTS**

### **2.01 Manufacturer**

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

### **2.02 Materials**

- A. Davlin Coatings, Inc. Acrylastic 510

## **PART 3: EXECUTION**

### **3.01 Examination**

- A. Verify deck surface is dry, sound, clean and smooth, free of depressions, waves or projections, properly sloped to drains.

### **3.02 Preparation**

- A. All surfaces of decking 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. Applicator shall protect all property during preparation.
- D. Applicator shall clean up all residues resulting from preparatory work.

### **3.03 Application**

- A. Davlin Coatings, Acrylastic 510 (new or uncoated areas of urethane foam roof)
  - 1. Apply a coat of Acrylastic 510 at the rate of 1 gallon per 100 square feet to all areas.
  - 2. Allow to dry before applying second coat of Acrylastic 510. 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 to dry overnight.
  - 3. 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.
  - 4. Apply a second coat of Acrylastic 510 at a right angle to the first coat at a rate of 1 gallon per 100 square feet.
- B. Davlin Coatings, Acrylastic 510 (previously coated areas of urethane foam roof where old coating is still adhering well)
  - 1. Apply 1 coat of Acrylastic 510 at the rate of 1 gallon per 100 square feet to all areas.
- C. Davlin Coatings Cautions
  - 1. Acrylastic 510 is supplied as a single component coating. Mix cans thoroughly until homogenous.
  - 2. Avoid excessive agitation to prevent air entrapment and resultant pinholing in film.
  - 3. Acrylastic 510 is supplied ready mixed. Unless otherwise specified, do not reduce with water or solvents.
  - 4. Store material at room temperature to assure proper application.
  - 5. When spraying Acrylastic 510 be sure equipment is thoroughly purged of solvents and other foreign material. Refer to "Product Data" sheet for application equipment information.

### **3.04 Field Quality Control**

- A. Follow recommendations and specifications of Davlin Coatings, Inc.

### **3.05 Cleaning**

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

### **3.06 Protection**

- A. Protect finished roof areas from damage during construction.

**END OF SECTION**

**DAVLIN Coatings, Inc.**

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