



A United Asphalt Company Brand

## MODIFIED LIQUID RUBBER

**Substrate:** Hypalon, TPO, PVC

**Warranty:** 10 Year Labor & Material

**System:** Partially Reinforced (Fabric)

### 1.0 DESCRIPTION

- 1.1 The Armour Proof Coatings Liquid Membrane Roof System is a **partially reinforced** fluid applied coating system designed for Hypalon, TPO & PVC Roofs. This partially reinforced system uses polyester fabric embedded into the field application coating specifically at the seams. This Modified Liquid Rubber System provides a fully adhered, seamless membrane over the existing roof with superior weather and waterproofing abilities. Excellent tensile strength and puncture resistance.

### 2.0 EXAMINATION OF ROOF

- 2.1 Observe the roof surface and slope. There is to be no single area of standing water on the roof 48 hours after a rain, greater than 100 square feet and more than ½" deep.
- 2.2 An infra-red thermal scan of the roof is required to identify any wet insulation.
- 2.3 Examine the roof substrate, flashings, penetrations, curbs and any adjoining areas under which the coating system is to be applied.
- 2.4 Any defects in the substrate should be noted and work shall NOT proceed until such defects have been corrected.
- 2.5 A roof coating Adhesion Test is a method of ensuring whether the coating system will adhere to the existing roof surface. Adhesion tests must be completed to APC requirements. **This step should be done at this time.**

### 3.0 PREPARATION OF ROOF

- 3.1 Any of the above areas that need to be repaired or replaced should be done at this time. Do not proceed with coating until all defects have been corrected. Any new projections and/or penetrations should also be addressed at this time.
- 3.2 Any ponding areas on the existing roof substrate that maintain water for more than 48 hours should be addressed and/or corrected. (See Section 6.0)
- 3.3 Any wet insulation should be removed and replaced with new. Secure and make watertight.
- 3.4 Apply AP-1200 Rinseable Primer / Cleaner to roof. Pressure wash the roof with a minimum of 2,000 psi. The surface must be free of dirt, debris, loose coatings, oil and other contaminants. Allow roof to dry 48–72 hours.
- 3.5 If Adhesion Test results proved unsatisfactory, an application of AP-1500 Etching Primer at a minimum rate of 0.33 gallons per 100 square feet is required. Allow roof to dry 2–4 hours before proceeding, but the AP-1500 Etching Primer should be top coated within 7 days.

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### **4.0 REINFORCEMENTS REQUIRED – SEAMS, FLASHINGS, PENETRATIONS, PERIMETER**

- 4.1 Make any necessary repairs to the roof substrate using AP-2100 Modified Liquid Rubber Mastic. Allow 24 hours to dry!
- 4.2 Apply one coat of AP-6100 Modified Liquid Rubber Coating to all areas at a minimum rate of 1.25 gallons per 100 square feet. Embed the Polyester Mat Fabric into the wet base coating, removing all wrinkles, air pockets, fish mouths. Saturate the fabric with additional coat of AP-6100 Modified Liquid Rubber Coating to all the areas at a minimum rate of 1.25 gallons per 100 square feet. Allow 24–48 hours to dry!

#### **Estimated Fabric and Coating Coverage Rates (Gallons Per 100 Linear Feet)**

4" Poly ♦ 1.25 Gallons    6" Poly ♦ 1.50 Gallons    12" Poly ♦ 2.75 Gallons    20" Poly ♦ 4.50 Gallons

### **5.0 FIELD APPLICATION OF COATING SYSTEM**

- 5.1 Apply one coat of AP-6100 Modified Liquid Rubber Coating at a minimum rate of 1.50 gallons per 100 square feet. Allow 8–12 hours to dry.
- 5.2 Apply a second coat of AP-6100 Modified Liquid Rubber Coating to all areas at a minimum rate of 1.50 gallons per 100 square feet. Allow 8–12 hours to dry.

### **6.0 PONDING WATER AREAS OF THE ROOF**

- 6.1 If the ponding on the roof can't be corrected and/or altered, the proper Coating for these areas is the AP-6100 Modified Liquid Rubber Coating, applied at 1.25 – 1.50 gallons per 100 square feet. Apply the Polyester Fabric embedded in a wet layer of AP-6100 Modified Liquid Rubber Coating and then apply another coat over the Fabric. All the Base Coating and Finish Coating must be applied around the ponding areas first.

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