

<b>PART 2: PRODUCTS</b>	
<p><b>2.02 Roof Coating System</b></p> <p>A. Approved Manufacturer</p> <p>B. Approved Coating: Uniflex Elastomeric Roof Coating Vehicle Base ..... 100% Acrylic Resin Elongation/Tensile @ 77°F     Initial Elongation ..... 180%     Tensile Strength ..... 240 psi     1000 Hrs. Xenon Arc ..... 130% @ 73°F Solids by weight ..... 67 ± 2% Solids by volume ..... 52 ± 2% Permeance (ASTM D1653) ..... 4 perms Initial Solar Reflectance ..... 0.86 Initial Thermal Emittance ..... 0.91 SRI ..... 108</p>	<p>2. Allow the Wash Primer to stand 10-15 minutes to wet out and react with the EPDM surface.</p> <p>D. High pressure rinse the roof with clean water using a minimum 2,000 psi pressure washer keeping the tip within 12" of the surface. Bond-It Wash Primer, in its diluted form, is safe to rinse down drains. Refer to local regulatory agencies for disposal requirements. A squeegee is recommended to push excess water to the drains and accelerate drying. After cleaning, the roof should be "jet black" in color, indicating proper chemical reaction has occurred. If appearance is dull and weathered, reapply Bond-It Wash Primer. Surfaces must be completely dry before coating application.</p> <p>E. Any repairs to the membrane, flashings, penetrations, etc. as determined through inspection, must be completed before coating is applied. <b>Note: If a structurally sound, well sealed and watertight membrane is not in place, the roof is not acceptable to receive the coating system.</b></p>
<b>PART 3: EXECUTION</b>	
<p><b>3.01 Inspection</b></p> <p>A. The roof surface must be clean, dry, free of ponding water, and structurally sound.</p> <p>B. Any discharge of fumes or possible contaminants must be noted. Contact Uniflex to determine if fumes or matter being exhausted will interfere with adhesion.</p> <p>C. Inspect the membrane surface for cracks, blisters, chalking, crazing, and shrinking.</p> <p>D. Inspect flashing details including penetrations, curbs, expansion and transition joints, wall terminations, and drain details.</p> <p>E. Inspect and probe all field seams and patches.</p> <p>F. Inspect and determine if substrate, insulation or deck is deteriorated and should be replaced.</p> <p>G. Inspect for insulation fastener and/or plates backing out.</p> <p><b>3.02 Surface Preparation</b></p> <p>A. Any necessary repairs or replacement of deck and/or insulation must be completed.</p> <p>B. The membrane must be free of all dirt and debris prior to applying the Bond-It Wash Primer.</p> <p>C. Prepare the membrane and flashings for coating by applying the Uniflex Bond-It Wash Primer.</p> <p>    1. Apply at a rate of 400 - 500 sq. ft./gal. A 2-3 gallon agricultural tank pressure sprayer is recommended to apply the Wash Primer. Adjust the nozzle to achieve a uniform spray pattern with 3-4 foot arc. Conventional airless spray equipment using a .015" - .017" tip may also be used.</p>	<p>1. Tighten or re-secure all terminations and assure all termination bars and reglets are properly caulked using Sherwin-Williams Stamped 1 caulk.</p> <p>2. On mechanically fastened and fully adhered systems, replace backed out fasteners with new stress plates and fasteners. Relocate new fasteners adjacent to original location.</p> <p>3. Repair loose, open seams, holes and splits with Uniflex Seam Tape or Uniflex SPE Gray Acrylic Base Coat and Polyester Fabric.</p> <p>    a. 3-Course method Application Rate:</p> <p>        i. 6" Polyester Fabric – Apply Elastomeric Coating at a total rate of 40 sq.ft./gallon (65 lineal ft./gallon). Be sure to extend coating a minimum 1 ½" beyond the width of the polyester on each side.</p> <p>        ii. 12" Polyester Fabric – Apply Elastomeric Coating at a total rate of 40 sq.ft./gallon (32 lineal ft./gallon). Be sure to extend coating a minimum 1 ½" beyond the width of the polyester on each side.</p> <p>4. To seal and reinforce areas around penetrations including vents, stacks, and fans, as well as curbs and drains, use Uniflex Seam Tape or Uniflex SPE Gray Acrylic Base Coat and Polyester Fabric.</p> <p>5. Perimeter metal drip edges must be secure and reinforced with Uniflex SPE Gray Acrylic Base Coat and Polyester Fabric</p>

<b>PART 3: EXECUTION</b>	
<p>6. In low lying areas, around drains or other areas where potential water accumulation is possible, apply SPE Gray Acrylic Base Coat at the rate of 2 gallons per 100 sq. ft. Embed 40" Polyester Fabric into wet coating and immediately apply a second coat of SPE Gray Acrylic Base Coat on top of the fabric at the rate of 1 gallon per 100 sq. ft. Coating must extend a minimum of 2" beyond the edge of the fabric. If reinforcing wider areas, overlap fabric a minimum of 3".</p> <p>7. Drain detail: Remove strainer and ring. Embed Uniflex Polyester Fabric into SPE Gray Acrylic Base Coat extending a minimum of 12" around perimeter.</p> <p><b>3.03 Coating Application</b></p> <p>A. General</p> <ol style="list-style-type: none"> <li>1. Inspect preliminary work for problem areas to ensure all preparatory work has been properly completed.</li> </ol> <p>B. Application Method</p> <ol style="list-style-type: none"> <li>1. Apply using airless spray equipment (recommended air pressure of 2,800 psi at the tip).             <ol style="list-style-type: none"> <li>a. Spray Tip: Reversible, self-cleaning tip without diffuser pin. Size between .033" with a fan angle of 60° (ex: 633).</li> <li>b. Hose Size: At 300' total hose length, use 250' of ¾" → 50' of ½" → 10' swivel whip end ⅝" hose.</li> <li>c. General: The longer the hose, the smaller the tip orifice size.</li> </ol> </li> <li>2. Allow a minimum of 24 hours between coats to cure prior to recoating.</li> </ol> <p>C. Application Rate</p> <ol style="list-style-type: none"> <li>1. Apply Uniflex SPE Gray Acrylic Base Coat at the rate of 1½ gallons per 100 sq. ft. (24 wet mils).</li> <li>2. Apply Uniflex Elastomeric White Coating at the rate of 1½ gallons per 100 sq. ft. (24 wet mils).</li> <li>3. The total minimum dry film thickness shall be 24 mils.</li> <li>4. Use a wet mil gauge to ensure proper coating requirement.</li> </ol> <p>D. Optional: Walkway/Traffic Areas</p> <ol style="list-style-type: none"> <li>1. Apply Uniflex Gray Elastomeric (41-320) at a rate of 1 gal/100 sq. ft., broadcast granules into wet coating.</li> </ol>	<p><b>3.04 Job Completion</b></p> <ol style="list-style-type: none"> <li>A. Inspect completed application and correct any defects.</li> <li>B. Manufacturer's representative may inspect the completed roofing system and notify the Contractor of any defects in the application.</li> <li>C. Clean up all debris, excess materials, and equipment and remove from site.</li> <li>D. Restrict traffic to only essential personnel. Provide appropriate protection against traffic and construction activities on completed roofs.</li> </ol>