

<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</p> <p>Elongation/Tensile @ 77°F</p> <p>    Initial Elongation ..... 180%</p> <p>    Tensile Strength ..... 240 psi</p> <p>    1000 Hrs. Xenon Arc ..... 130% @ 73°F</p> <p>Solids by weight ..... 67 ± 2%</p> <p>Solids by volume ..... 52 ± 2%</p> <p>Permeance (ASTM D1653) ..... 4 perms</p> <p>Initial Solar Reflectance ..... 0.86</p> <p>Initial Thermal Emittance ..... 0.91</p> <p>SRI ..... 108</p>	<p>C. Replace loose or missing fasteners with oversize “Repair Type” fasteners.</p> <p>D. Repair Options:</p> <p>    1. 3 – Course Method: Acrylic Patch and Polyester Fabric.</p> <p>        a. 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>        b. 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>    2. Install 2”, 4”, 6” or 8” Seam Tape. At time of installation, apply a thin coat of Uniflex Elastomeric to all Seam Tape at a rate of 1 gal/100 sq. ft.</p> <p>E. End laps (horizontal seams) must be sealed with Seam Tape. <b>Note:</b> Install 6” Seam Tape when fasteners are within 1” of end lap. Center tape to include sealing fasteners. Tape can be molded around fastener with fingers or by pushing slightly with a ratchet drive socket or similar tool. When fasteners are a minimum of 1 ½” from end lap, install 4” Seam Tape. Align tape below fastener line – <i>do not</i> seal fasteners.</p> <p>F. Side laps (vertical seams) must be sealed with 2” Seam Tape. Specific circumstances may not require seam tape on vertical seams. Contact your Uniflex Representative for prior approval. <b>Note:</b> It is not necessary to seal vertical seams on standing seam roofs.</p> <p>G. Ridge vents must be sealed with 6” Seam Tape or 3 – Course Method using Uniflex Acrylic Patch embedding Polyester Fabric.</p> <p>H. Formed ridge caps must have seams sealed both horizontally with 4” or 6” Seam Tape and vertically with 2” Seam Tape or 3 – Course Method using Uniflex Acrylic Patch embedding Polyester Fabric.</p> <p>I. Flat ridge caps must have closures in place, or replaced, if originally installed. Open voids can be filled with foam closures, sprayed-in-place polyurethane foam, or other materials to provide a solid backing prior to sealing with 6” Seam Tape or 3 – Course Method using Uniflex Acrylic Patch embedding Polyester Fabric.</p> <p>J. All penetrations including curbs, stacks, vents, and pipes must be sealed with Seam Tape or 3 – Course Method using Uniflex Acrylic Patch embedding Polyester Fabric.</p>
<b>PART 3: EXECUTION</b>	
<p><b>3.01 Inspection</b></p> <p>A. <i>General Requirements:</i> Inspect roof surface prior to application. Surface must be:</p> <p>    1. Clean, dry and structurally sound.</p> <p>    2. Free of ponding water.</p> <p>B. <i>Contaminants</i></p> <p>    1. Any discharge of fumes or possible contaminants must be noted.</p> <p>    2. <b>Contact Uniflex to determine if fumes or matter being exhausted will interfere with adhesion.</b> <b>NOTE:</b> Slope of roof area must <i>not</i> be less than ¼” per foot.</p> <p><b>3.02 Surface Preparation</b></p> <p>A. <b>Note: If a leakproof system is being installed, all of the following procedures are mandatory. Otherwise, as needed.</b> High pressure wash utilizing a 2,000 psi pressure washer to remove all dust, dirt, loose rust and/or coatings, foreign matter, etc. <b>Note:</b> New metal must be allowed to weather a minimum of six (6) months due to residual oils on the surface resulting from the manufacturing process. If necessary to coat sooner, use an industrial cleaner/degreaser such as Simple Green<sup>®</sup> to remove oil residue.</p> <p>B. Prime all rusted areas with Uniflex Rust Inhibitive Metal Primer or Uniflex Acrylic Rust Inhibitive Primer.</p>	

<b>PART 3: EXECUTION</b>	
<p>K. Skylights must be sealed around perimeter with 4" or 6" Seam Tape or 3 – Course Method using Uniflex Acrylic Patch embedding Polyester Fabric.</p> <p>L. Rake flashings must be sealed with 4" or 6" Seam Tape or 3 – Course Method using Uniflex Acrylic Patch embedding Polyester Fabric.</p> <p>M. Wall flashings must be sealed with 4" or 6" Seam Tape or 3 – Course Method using Uniflex Acrylic Patch embedding Polyester Fabric.</p> <p>N. Apply Acrylic Patch Cement to the metal closures on a standing seam roof.</p> <p>O. Tighten or re-secure all terminations and assure all termination bars and reglets are properly caulked using Sherwin-Williams Stampede 1 caulk.</p> <p><b>3.03 Application</b></p> <p>A. General</p> <ol style="list-style-type: none"> <li>1. Inspect preliminary work relating to substrate for problem areas to ensure all preparatory work is completed properly.</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 ⅜" hose.</li> <li>c. General: The longer the hose, the smaller the tip orifice size.</li> </ol> </li> <li>2. Soft brushes or a ¾" nap roller may be used. May require multiple coats to achieve proper coverage rates.</li> <li>3. 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 Gray Elastomeric parallel to the to the ribs at the rate of 1 gallon/100 sq. ft. (16 wet mils). Allow 24 hours prior to application of finish coat.</li> <li>2. Inspect base coat prior to applying finish coat to ensure proper adhesion and that surface is clean. Apply white finish coat parallel to the ribs at a rate of 1.5 gallons/100 sq. ft. (24 wet mils). Allow 24 hours prior to final inspection.</li> <li>3. 15 Year Warranty: Apply a third coat of the Uniflex Premium Elastomeric at a rate of 1 gal/square.</li> </ol> <p><b>*IMPORTANT:</b> Allow for additional surface area by multiplying total square feet by 1.15. This figure factors for corrugated and irregular metal surfaces.</p>	<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>