

<b>PART 1: GENERAL</b>	
<p><b>1.01 Description of Work</b></p> <ul style="list-style-type: none"> <li>A. This specification is for the application of UNIFLEX® products and should be used only as a general guide. Additional details and specific areas of repair are to be selected, modified or added, as necessary.</li> <li>B. The coating system is designed to restore and protect BUR and Modified Bitumen roofs from further degradation and extend the useful life of the roof.</li> <li>C. Adhesion tests required on all APP Modified Bitumen Roofs.</li> <li>D. Is suitable for application over existing Fiberglass Aluminum Coatings.</li> </ul> <p><b>1.02 Quality Assurance</b></p> <ul style="list-style-type: none"> <li>A. <i>Manufacturer Qualifications:</i> Manufacturer shall have been in the roof coating business a minimum of 20 years. Manufacturer must be ISO 9001:2008 Certified.</li> <li>B. <i>Requirements of Regulatory Agencies:</i> Furnish and apply all roofing materials in accordance with all regulatory agencies and approved building codes.</li> <li>C. <i>Contractor Qualifications:</i> <ul style="list-style-type: none"> <li>1. Contractor shall have business stability and own proper equipment to prepare and apply materials as described herein.</li> <li>2. Contractor must provide proof of insurance including liability and workers' compensation certificates.</li> <li>3. Contractor must be an approved UNIFLEX® Applicator for the specific project and Warranty Requirements. Systems warranties available only to UNIFLEX® Authorized Premier or Premier Elite Contractors.</li> </ul> </li> </ul> <p><b>1.03 Conformance Standards</b></p> <ul style="list-style-type: none"> <li>A. Underwriters Laboratory (UL), Class A</li> <li>B. FM Global approved</li> <li>C. Miami-Dade</li> <li>D. FBC – Florida Building Code</li> <li>E. California Title 24</li> <li>F. NSF P151</li> </ul> <p><b>1.04 Product Storage and Handling</b></p> <ul style="list-style-type: none"> <li>A. Deliver materials in manufacturer's original unopened containers bearing manufacturer's original label.</li> <li>B. Store and handle products in a manner ensuring no possibility of contamination.</li> <li>C. Store materials at a minimum of 50°F prior to use.</li> </ul>	<p><b>1.05 Job Conditions</b></p> <ul style="list-style-type: none"> <li>A. Environmental Requirements <ul style="list-style-type: none"> <li>1. Do not begin work if rain is expected within 24 hours of application. Do not apply if weather does not permit 4-6 hours dry time prior to rain, fog or temperatures below 50°F.</li> <li>2. All surfaces to be coated must not pond water. Water that evaporates within 48 hours is not considered a pond.</li> <li>3. All surfaces shall be clean, dry and structurally sound.</li> </ul> </li> <li>B. Protection and Coordination <ul style="list-style-type: none"> <li>1. Owner will occupy the premises during the entire project. Cooperate with Owner during construction operations to promote continued use of the facility.</li> <li>2. Coordinate scheduling with the Owner in order to relocate or protect vehicles, building occupants, and building contents from damage during construction operations.</li> </ul> </li> </ul> <p><b>1.06 Warranty</b></p> <ul style="list-style-type: none"> <li>A. Contact your UNIFLEX® Representative to discuss roof system warranty options.</li> <li>B. Systems Warranties: Reinforcing with Polyester Fabric is required, and not limited to, seams, protrusions and wall transitions.</li> </ul>
<b>PART 2: PRODUCTS</b>	
<p><b>2.01 General</b></p> <ul style="list-style-type: none"> <li>A. All coating systems must be products of UNIFLEX® Fluid Applied Roofing Systems. <ul style="list-style-type: none"> <li>1. UNIFLEX® White Elastomeric is a 100% acrylic elastomeric coating (refer to data sheet 41-300).</li> <li>2. UNIFLEX® Elastomeric MB Base Coat is a 100% acrylic elastomeric coating (refer to data sheet 41-510).</li> </ul> </li> <li>B. Repairs: <ul style="list-style-type: none"> <li>1. UNIFLEX® Acrylic Patching Cement (refer to product data sheet 41-220) reinforced with Polyester Fabric (refer to product data sheet (20-385).</li> <li>2. UNIFLEX® Slope Builder is designed to build up low lying roof areas to eliminate water ponding. (Refer to data sheet OSLPBD)</li> </ul> </li> </ul>	

<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</p> <p>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>F. Repair flashings, blisters, splits and “fishmouths” with Acrylic Patching Cement reinforced with Polyester Fabric.</p> <p>1. 3-Course method Application Rates:</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>G. In low lying areas, around drains or other areas where potential water accumulation is possible, apply MB Basecoat at the rate of 2 gallons per 100 sq. ft. Embed 40” Polyester Fabric into wet coating and immediately apply a second coat of MB Basecoat 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>H. Drain detail: Remove strainer and ring. Embed UNIFLEX® Polyester Fabric into MB Basecoat extending a minimum of 12” around perimeter.</p> <p>I. After all repairs are made, prime the entire surface with Elastomeric MB Acrylic Base Coat.</p> <p><b>NOTE:</b> Irregular or rough surfaces will require additional Base Coat.</p> <p><b>NOTE: When applying coatings to rough and weathered surfaces coverage becomes theoretical. Add additional product when surface roughness exceeds what is considered normal. The surface will dictate your actual coverage.</b></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> <ol style="list-style-type: none"> <li>Clean, dry and structurally sound.</li> <li>Free of ponding water.</li> </ol> <p>B. <i>Contaminants:</i></p> <ol style="list-style-type: none"> <li>Any discharge of fumes or possible contaminants must be noted.</li> <li><b>Contact UNIFLEX® to determine if fumes or matter being exhausted will interfere with adhesion. NOTE:</b> Slope of roof area must not be less than ¼” per foot.</li> </ol> <p><b>3.02 Surface Preparation</b></p> <p>A. High pressure wash utilizing a minimum 2,000 psi pressure washer to remove dust, dirt, loose coatings, foreign matter, etc. Newly installed Asphalt Emulsion must be fully cured and pressure washed prior to installing the UNIFLEX® Elastomeric System.</p> <p>B. Probe roof laps and penetrations to identify points of water entry.</p> <p>C. Where ponded water conditions exist, corrective measures must be taken to eliminate water build up. Apply UNIFLEX® Slope Bulider to build up low lying areas.</p> <p>D. Damaged membrane or saturated insulation must be replaced.</p> <p>E. Tighten or re-secure all terminations and assure all termination bars and reglets are properly sealed using the appropriate UNIFLEX Roofing Sealant.</p>	

<b>PART 3: EXECUTION</b>	
<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 any additional problem areas to ensure all preparatory work is 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 .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 ¾" 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. 10 Year Warranty: Apply the Elastomeric MB Base Coat (product #41-510) at 1½ gallons per 100 square feet (24 wet mils).</li> <li>2. Inspect the roof prior to applying finish coat to ensure roof is clean and dry.</li> <li>3. Apply the Elastomeric White Coating at a rate of 1½ gallons per 100 square feet (24 wet mils).</li> <li>4. 15 Year Warranty: Apply a third coat of the UNIFLEX® Premium Elastomeric at a rate of 1gal/square.</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>	