

PART 1: GENERAL																					
<p>1.01 Description of Work</p> <p>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.</p> <p>1.02 Quality Assurance</p> <p>A. <i>Manufacturer Qualifications:</i> Manufacturer shall have been in the roof coating business a minimum of ten (10) years.</p> <p>B. <i>Requirements of Regulatory Agencies:</i> Furnish and apply all roofing materials in accordance with all regulatory agencies and approved building codes.</p> <p>C. <i>Contractor Qualifications:</i></p> <ol style="list-style-type: none"> Contractor shall have business stability and own proper equipment to prepare and apply materials as described herein. Contractor must provide proof of insurance including liability and workers' compensation certificates. Contractor must be an approved applicator of Uniflex or other approved coatings supplier. <p>1.03 Submittals</p> <p>A. <i>Product Data:</i> Technical product data, literature and sample drawings will be submitted.</p> <p>1.04 Product Storage and Handling</p> <p>A. Deliver materials in manufacturer's original unopened containers bearing manufacturer's original label.</p> <p>B. Store and handle products in a manner ensuring no possibility of contamination.</p> <p>C. Store materials at a minimum of 50°F prior to use.</p> <p>1.05 Job Conditions</p> <p>A. Environmental Requirements</p> <ol style="list-style-type: none"> Do not begin work if rain is expected within 24 hours of application. Do not apply if weather does not permit complete cure prior to rain, fog or temperatures falling below 50°F. All surfaces to be coated must not pond water. Water that evaporates within 48 hours is not considered a pond. All surfaces shall be clean, dry and structurally sound. 	<p>B. Protection and Coordination</p> <ol style="list-style-type: none"> Owner will occupy the premises during the entire project. Cooperate with Owner during construction operations to promote continued use of the facility. Coordinate scheduling with the Owner in order to relocate or protect vehicles, building occupants, and building contents from damage during construction operations. <p>1.06 Warranty</p> <p>A. Contact Uniflex Industrial Roof Coatings for more information.</p>																				
PART 2: PRODUCTS																					
<p>2.01 General</p> <p>A. All coating systems must be products of Uniflex Industrial Roof Coatings.</p> <ol style="list-style-type: none"> Uniflex White Elastomeric is a 100% acrylic elastomeric coating (refer to data sheet 41-300). Uniflex Elastomeric MB Base Coat is a 100% acrylic elastomeric coating (refer to data sheet 41-510). <p>B. Repairs:</p> <ol style="list-style-type: none"> Uniflex Seam Tape is a polyester fabric backed, modified butyl rubber adhesive tape (refer to data sheet 20-806). <p>2.02 Roof Coating System</p> <p>A. Approved Manufacturer</p> <p>B. Approved Coating: Uniflex Elastomeric Roof Coating Vehicle Base 100% Acrylic Resin Elongation/Tensile @ 77°F</p> <table style="margin-left: 20px;"> <tr><td>Initial Elongation</td><td>200%</td></tr> <tr><td>Tensile Strength</td><td>150 psi</td></tr> <tr><td>1000 Hrs. Xenon Arc.....</td><td>130% @ 73°F</td></tr> <tr><td>Solids by weight.....</td><td>67 ± 2%</td></tr> <tr><td>Solids by volume.....</td><td>52 ± 2%</td></tr> <tr><td>Permeance (D1653)</td><td>8 perms</td></tr> </table> <p>C. Approved Base Coat: Uniflex Elastomeric MB Base Coat Vehicle Base 100 % Acrylic Resin Elongation/Tensile @ 77 °F</p> <table style="margin-left: 20px;"> <tr><td>Initial Elongation</td><td>500%</td></tr> <tr><td>Tensile Strength</td><td>1000 Hrs. Accelerated Weathering - No checking or cracking</td></tr> <tr><td>Solids by Volume</td><td>50 ± 2%</td></tr> <tr><td>Solids by Weight.....</td><td>(ASTM 2369) 63 ± 2%</td></tr> </table>		Initial Elongation	200%	Tensile Strength	150 psi	1000 Hrs. Xenon Arc.....	130% @ 73°F	Solids by weight.....	67 ± 2%	Solids by volume.....	52 ± 2%	Permeance (D1653)	8 perms	Initial Elongation	500%	Tensile Strength	1000 Hrs. Accelerated Weathering - No checking or cracking	Solids by Volume	50 ± 2%	Solids by Weight.....	(ASTM 2369) 63 ± 2%
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PART 3: EXECUTION	
<p>3.01 Inspection</p> <p>A. <i>General Requirements:</i> Inspect roof surface prior to application. Surface must be:</p> <ol style="list-style-type: none"> 1. Clean, dry and structurally sound. 2. Free of ponding water. <p>B. <i>Contaminants:</i></p> <ol style="list-style-type: none"> 1. Any discharge of fumes or possible contaminants must be noted. 2. Contact Uniflex to determine if fumes or matter being exhausted will interfere with adhesion. NOTE: Slope of roof area must not be less than ¼" per foot. <p>3.02 Surface Preparation</p> <p>A. High pressure wash utilizing a minimum 2,000 psi pressure washer to remove dust, dirt, loose coatings, foreign matter, etc.</p> <p>B. Probe roof laps and penetrations to identify points of water entry.</p> <p>C. Repair any blisters, open seams, splits, and flashings with Uniflex Seam Tape (refer to data sheet #20-806).</p> <p>D. After all repairs are made, prime the entire surface with Elastomeric MB Acrylic Base Coat. NOTE: Irregular or rough surfaces will require additional Base Coat.</p> <p>3.03 Application</p> <p>A. General</p> <ol style="list-style-type: none"> 1. Inspect preliminary work relating to substrate for any additional problem areas to ensure all preparatory work is completed. <p>B. Application Method</p> <ol style="list-style-type: none"> 1. Apply using airless spray equipment (recommended air pressure of 2,800 psi at the tip). <ol style="list-style-type: none"> a. Spray Tip: Reversible, self-cleaning tip without diffuser pin. Size .033" with a fan angle of 60° (ex: 633). b. Hose Size: At 300' total hose length, use 250' of ¾" 50' of ½" 10' swivel whip end ¾" hose. c. General: The longer the hose, the smaller the tip orifice size. 2. Soft brushes or a ¾" nap roller may be used. May require multiple coats to achieve proper coverage rates. 	<p>C. Application Rate</p> <ol style="list-style-type: none"> 1. Apply the Elastomeric MB Base Coat (product #41-510) at 1½ gallons per 100 square feet (24 wet mils). 2. Inspect the roof prior to applying finish coat to ensure roof is clean and dry. 3. Apply the Elastomeric White Coating at a rate of 1½ gallons per 100 square feet (24 wet mils). <p>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.</p> <p>3.04 Job Completion</p> <ol style="list-style-type: none"> A. Inspect completed application and correct any defects. B. Manufacturer's representative may inspect the completed roofing system and notify the contractor of any defects in the application. C. Clean up all debris, excess materials, and equipment and remove from site. D. Restrict traffic to only essential personnel. Provide appropriate protection against traffic and construction activities on completed roofs.