

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 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 Conformance Standards</p> <p>A. Underwriters Laboratory (UL), Class A</p> <p>B. FM Global approved</p> <p>1.04 Submittals</p> <p>A. <i>Product Data:</i> Technical product data, literature and drawings will be submitted.</p> <p>1.05 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>1.06 Job Condition</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. <p>B. All surfaces to be coated must not pond water (water that evaporates within 48 hours is not considered a pond) and be clean, dry and structurally sound.</p>	<p>1.07 Protection And Coordination</p> <p>A. Owner will occupy the premises during the entire period of the roof retrofit. Cooperate with Owner during construction operations to facilitate continued use of the facility.</p> <p>B. Coordinate scheduling with the Owner in order to relocate or protect vehicles, building occupants and building contents from damage during construction operations.</p> <p>1.08 Warranty</p> <p>A. Contact Uniflex Industrial Roof Coatings for available warranties.</p>																
PART 2: PRODUCTS																	
<p>2.01 General</p> <p>A. All materials must be products of Uniflex Industrial Roof Coatings or approved supplier.</p> <ol style="list-style-type: none"> Sherwin-Williams Loxon Acrylic Primer (refer to data sheet A24W300). Uniflex Elastomeric Coating is a 100% acrylic polymer coating utilizing a light gray base coat and white finish coat (refer to data sheet 41-300). <p>B. Repair Options</p> <ol style="list-style-type: none"> Uniflex Acrylic Patching Cement (refer to data sheet 41-220) reinforced with Polyester Fabric (refer to data sheet 20-385). 	<p>2.02 Roofing Coating System</p> <p>A. Approved Manufacturer</p> <p>B. Approved Coating: Uniflex Elastomeric Roof Coating</p> <table border="0"> <tr> <td>Vehicle Base</td> <td>100% Acrylic Resin</td> </tr> <tr> <td>Elongation/Tensile Strength @ 77°F</td> <td></td> </tr> <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 (ASTM 2369).....</td> <td>67 ± 2%</td> </tr> <tr> <td>Solids by Volume</td> <td>52 ± 2%</td> </tr> <tr> <td>Permeance (ASTM D1653)</td> <td>8 perms</td> </tr> </table>	Vehicle Base	100% Acrylic Resin	Elongation/Tensile Strength @ 77°F		Initial Elongation	200%	Tensile Strength	150 psi	1000 Hrs. Xenon Arc.....	130% @ 73°F	Solids by Weight (ASTM 2369).....	67 ± 2%	Solids by Volume	52 ± 2%	Permeance (ASTM D1653)	8 perms
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PART 3: EXECUTION

3.01 Inspection

- A. *General Requirements:* All new surfaces must cure for at least 7 days. Remove all form release and curing agents. Inspect roof surface prior to application.
1. Roof surface must be clean, dry and structurally sound.
 2. Roof surface must be free from ponding water.
 3. Inspect condition of flashing detail adjacent to protrusions, penetrations, curbs, walls, drains and roof edges to ensure that details are acceptable and will maintain a weathertight installation.
 4. If ventilators exist on the roof surface, determine what (if any) material is being exhausted onto the roof surface prior to coating (contact Uniflex to determine if particles or matter being exhausted will interfere with adhesion).
 5. Surface must be high density, troweled smooth and fully cured.

3.02 Preparation Of Concrete Surface

- A. Repair spalled concrete.
- B. Where ponding water conditions exist, corrective measures must be taken to eliminate water build-up prior to coating.
- C. Power wash at a minimum 2,000 psi to remove all dirt, debris and scaled coatings. Oily and/or grease deposits will require cleaners/degreasers to remove contaminants.
- D. Prime concrete using Sherwin-Williams Loxon Acrylic Primer (refer to data sheet A24W300). Apply at a rate of 200 sq.ft./gallon. Coverage depends on the porosity of the surface. Allow 24 hours to dry prior to patching and coating. Apply Loxon Acrylic Primer using 1/2" to 1 1/2" nap synthetic roller or airless spray equipment.
- E. All cracks exceeding 1/16" wide shall be repaired with Acrylic Patching Cement at a rate of 60 lineal ft./gallon (50 sq. ft./gallon) and feather out the edges. To repair larger cracks and protrusions, embed Polyester Fabric (6") into cement. Completely cover the embedded fabric with a second layer of Acrylic Patching Cement at 60 lineal ft./gallon (50 sq. ft./gallon), extending the cement at least 2" beyond each side of the fabric to achieve a total application rate of 30 lineal ft./gallon (25 sq. ft./gallon).

NOTE: Allow a minimum of 24 hours for all repairs to dry.

3.03 Application

- A. Inspect preliminary work relating to substrate for problem areas to ensure all preparatory work is completed properly.
- B. Application Method
1. Apply using airless spray equipment (recommended air pressure of 2,800 psi at the tip).
 - a. Spray Tip: Reversible, self-cleaning tip without diffuser pin.
 1. Loxon Acrylic Primer: Tip size: .019"
 2. Elastomeric Coating: Tip size: .033" with a fan angle of 60°. (ex: 633)
 - b. Hose Size: at 300' total hose length, use 250' of 3/4" → 50' of 1/2" → 10' swivel whip end 3/8" hose.
 - c. General: The longer the hose, the smaller the tip orifice size.
 2. Roller application:
 - a. Loxon Acrylic Primer: 1/2" to 1 1/2" nap synthetic roller.
 - b. Elastomeric Coating: Soft brushes or a 3/4" nap roller. May require multiple coats to achieve proper coverage rates.
- C. Application Rates
1. Apply light gray base coat at a rate of 2 gallons/100 sq. ft. (32 wet mils). Allow 24 hours prior to application of finish coat.
 2. Inspect base coat prior to applying finish coat to ensure proper adhesion and that surface is clean. Apply white finish coat at a rate of 2 gallons/100 sq. ft. (32 wet mils). Allow 24 hours prior to final inspection.

3.04 Job Completion

- 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 material, and equipment and remove from site.
- D. Restrict traffic to only essential personnel. Provide appropriate protection against traffic and construction activities on completed roofs.