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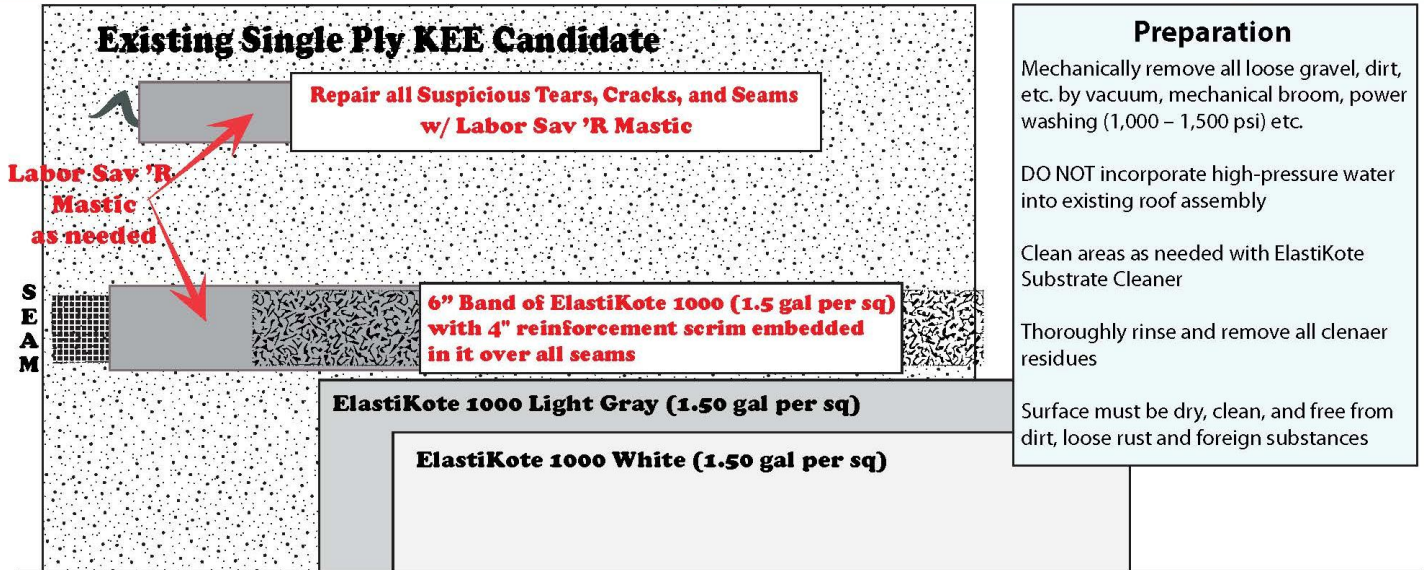
Section 07540

SINGLE PLY ( KEE ) ROOF SPECIFICATION

***ElastiKote® Series 1000 Fluid Applied Membrane***

***Material Only\_10 yr Warranty***

**ELASTIKOTE® RESTORATION PROTOCOL: Single Ply KEE**  
**ElastiKote 1000** **10 Year Warranty**



**Preparation**

Mechanically remove all loose gravel, dirt, etc. by vacuum, mechanical broom, power washing (1,000 – 1,500 psi) etc.

DO NOT incorporate high-pressure water into existing roof assembly

Clean areas as needed with ElastiKote Substrate Cleaner

Thoroughly rinse and remove all clenaer residues

Surface must be dry, clean, and free from dirt, loose rust and foreign substances

**Application**

Complete Preparation Steps (above)

Apply 6" Band of ElastiKot 1000 (1.5 gal per sq) with 4" reinforcement scrim embedded in it over all seams

Repair any surface tears, penetrations, expansion joints, curbs, etc. with Labor Sav'R Mastic (for defect gaps less than 3/16") at a minimum of 3/16" thickness and a minimum 4" wide or SEBS Mastic and reinforcment scrim (for defect gaps greater than 3/6")

Apply 1st coat of ElastiKote 1000 (Light Gray) at 1.5 gal per sq

Apply final wear coat of ElastiKote 1000 (White) at 1.5 gal per sq

**TOTAL COMPLETED MILS\_21 Dry Milis**

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**Environmentally Responsible**

**LIQUID MEMBRANE SYSTEM**

Roof restoration utilizing a high performance fluid-applied SEBS liquid elastomeric non-reinforced membrane system.

**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. This specification is for a high performance two (2) coat non-reinforced fluid applied membrane system applied over approved single ply KEE substrates. The Elastikote® 1000 system is a single component cold-applied liquid SEBS resin. The system is generally not reinforced except for certain critical areas which shall have polyester reinforcement scrim added and/or an Elastikote® Mastic material applied.

**1.02 RELATED WORK SPECIFIED ELSEWHERE**

- A. Section 04200 Masonry
- B. Section 06114 Wood Blocking and Curbing
- C. Section 07600 Sheet Metal
- D. Section 15430 Plumbing Specialties

**1.03 DEFINITIONS**

- A. Roofing Terminology: Refer to the following publications for terms related to roofing work not otherwise defined in this section.
  - 1. ASTM D 1079: Definitions of terms related to roofing, waterproofing, and bituminous materials
  - 2. NRCA Roofing and Waterproofing Manual
  - 3. Roof Consultants Institute Glossary of Terms
  - 4. Factory Mutual Research Corporation
  - 5. Underwriters Laboratories



#### 1.04 SUBMITTALS

- A. Provide four (4) cured samples of the membrane showing the completed thickness and colored finish layer AS APPLICABLE.
- B. Provide samples of the owner's or owner representative's approved color.
- C. Submit four (4) copies of the manufacturer's current published installation instructions, product data sheets and Material Safety Data Sheets.
- D. Certifications:
  - 1. Manufacturer's written certification that installer is approved and licensed to install specified roofing system.
  - 2. Manufacturer's affidavits that materials used in Project contain no asbestos.
  - 3. Installer shall submit resume and project experience list for proposed system for Project Manager and job site superintendent.
  - 4. Installer shall submit list of all subcontractors with evidence of subcontractor's insurance coverage in compliance with contract requirements.
  - 5. Submit certification that the materials to be used meet these specifications and are acceptable for use with the field membrane system and for the surfaces that they are to be applied.
  - 6. Manufacturer's written certification of approval / acceptance of these specifications and details.
  - 7. Warranty: Submit letter from manufacturer signed by agent authorized to do so, stating acceptance of warranty as specified and detailed.
  - 8. Miami-Dade County Florida NOA (in its entirety).
  - 9. Underwriters Laboratory product certification
  - 10. Manufacturer's ISO 9001:2008 certification (letter of ISO compliance is not acceptable)
- E. Shop Drawings:
  - 1. Provide manufacturer's details for the application of the ELASTIKOTE LLC products meeting the requirements of the warranty.
  - 2. Furnish shop drawings for all proposed details different from manufacturers' standard details. Details shall be approved in writing by roofing manufacturer.
  - 3. Furnish detailed project sequencing, staging, material loading, manpower plans, and project construction schedule for approval.
- F. Warranty:
  - 1. Submit four (4) copies of the Manufacturer's standard 10-Year warranty covering only installed materials.
  - 2. Submit four (4) copies of Contractor's Guarantee covering all work for defects in workmanship and labor for a period of 2 years.
  - 3. Maintenance Procedures: Four (4) copies of manufactures' printed instructions for Owner's use regarding care and maintenance of roof.



## 1.05 INSPECTIONS

- A. The Owner's and Manufacturers' representative shall at all times have access to the job site and work area. The contractor shall provide proper and safe facilities for such access and inspection.

**Specification Note: Contractor is required to maintain best roofing practices applicable to roof perimeter safety delineation and warnings apparatus stanchion placement. Contractor is also required to actively enforce and maintain perimeter protection and fall prevention protection as per OSHA requirements at all times.**

### Manufacturer Inspections:

- a. Material manufacturer (manufacturer) shall reserve the right to have an inspection performed by a representative of the manufacturer at any time and at sole discretion of the manufacturer. Such inspections may consist of pre-construction determination of acceptability of substrate for commencement of installation activities, through and including conclusion of installation work, to ensure that said project is properly installed in accordance with the manufacturer's specifications, installation protocol, and illustrated details.
- b. At the conclusion of the project, and prior to the issuance of a warranty, a final inspection shall be conducted by a representative of the material manufacturer to provide assurance that said project is installed in accordance with the manufacturer's specifications and illustrated details and the project is eligible for the issuance of warranty protection to the owner.
- B. Any failure by the Owner's or Manufacturer's Representative to detect, specifically identify, or object to any defect or noncompliance of these specifications of work in progress, or completed work, shall not relieve the contractor, or reduce, or in any way limit, the contractor's responsibility of full performance of work required of the contractor under these specifications.

## 1.06 QUALIFICATIONS

- A. Applicator must be approved by the membrane manufacturer.
- B. Liquid system must qualify for the manufacturer's warranty.

## 1.07 DELIVERY STORAGE AND HANDLING

- A. Deliver all materials and store in their original unopened containers.
- B. Store containers on pallets in a covered or shaded area.
- C. Store all material in a manner, which meets all federal, state and local requirements.
- D. Store in areas where the maximum temperature does not exceed 90° F and at a minimum of 40° F.
- E. Ensure drums are properly covered with a moisture proof covering. Under certain conditions condensation or rain may infiltrate and contaminate the drum contents through the "bung" and ring areas.



- F. KEEP OUT OF THE REACH OF CHILDREN.  
KEEP AWAY FROM HEAT, FLAME OR ANY OTHER SOURCE OF IGNITION.

## 1.08 QUALITY ASSURANCE

- A. Submit certification that the materials to be used meet these specifications and are acceptable for use with the field membrane system and for the surfaces on which they are to be applied.

### Installation:

1. Unless otherwise indicated, the materials to be used in this specification are those specified and denote the type, quality, performance, etc. required. All proposals shall be based upon the use of the specified material.
2. Install materials in accordance with the manufacturer's current published application procedures and the general recommendations of the National Roofing Contractor's Association.
3. It will be the contractor's responsibility to obtain and/or verify any necessary dimensions by visiting the job site, and the contractor shall be responsible for the correctness of same. Any drawings supplied are for reference only.
4. Contractor shall plan and conduct the operations of the work so that each section started on one day is complete, details installed, and thoroughly protected and in watertight condition before the close of work for that day.
5. Materials will be securely fastened in place in a watertight, neat and workmanlike manner. All workmen shall be thoroughly experienced in the particular class of work upon which employed.
6. Work shall be performed in accordance with these specifications and shall meet the approval in the field of the Architect, consultant, or designated owner's representative.
7. All waste materials, rubbish, and debris shall be removed from the Owner's premises as accumulated. All waste materials shall be carefully handled to reduce the spread of dust, and shall be deposited at an approved disposal site.

## 1.09 WARRANTY

- A. Upon completion of work provide a Manufacturer's standard 10-Year warranty covering manufacturer's installed materials. Warranty is to cover materials only for the full liquid system specified including all flashings.
- B. The contractor is responsible to provide diligent vigilance and to take reasonable and prudent preventive action to avoid damages occurring to the building resulting from penetration of water during construction.
- C. The contractor shall guarantee all work against defects in labor and workmanship for a period of two (2) years from the date of final acceptance.

## 1.10 INSTALLATION CONFERENCE

Refer to Section 01110 - Notification of Architect Requirements





### 1.11 SITE PROTECTION

- A. Protect all exposed surfaces and finished walls with a tarp or suitable covering to prevent damage to such areas. The contractor shall assume full responsibility for any damage to finished areas.

### 1.12 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's original unopened packaging with all tags and labels intact and legible. Container labels shall indicate appropriate warnings, storage conditions, lot numbers, and usage instructions. Handle and store materials and equipment in such a manner as to avoid damage. The proper storage of materials is the sole responsibility of the contractor. Materials damaged in shipping or storage shall not be used. Wet or damaged roofing materials shall be discarded, removed from job site, and replaced with new materials prior to application.

## PART 2 - PRODUCTS

### 2.01 GENERAL

- A. Supply ELASTIKOTE LLC's standard 10 -Year warranty covering manufacturer's materials in accordance with all ELASTIKOTE LLC application requirements and details.
- B. ELASTIKOTE LLC  
1480 Englewood Avenue  
Akron, OH 44305  
800-992-1053

### 2.02 FLUID APPLIED MEMBRANE

- A. ElastiKote® 1000
  - 1. Ready to use single component SEBS resin.
- B. For specific product test results refer to the Technical Information section of these Product Data Sheets (See links below: Ctrl + Click to follow link)
  - ElastiKote® 1000 <http://www.elastikote.com/products/base-coats-and-topcoats/9/>
  - ElastiKote Labor Sav'R® Mastic <http://www.elastikote.com/products/mastics/11/>
  - ElastiKote® SEBS Mastic <http://www.elastikote.com/products/mastics/11/>
  - ElastiKote® Substrate Cleaner <http://www.elastikote.com/products/pre-application-products-tools/13/>
- C. Packaging
  - 1. 5 - gallon pails or 55 gallon drums (50 gallons net by weight)
- D. Storage
  - 1. Two ( 2 ) years in original unopened container.



E. Detailed Roofing Application Drawings

1. For Detailed SINGLE PLY drawings refer to <http://www.elastikote.com/rsupport/?type=Single%20Ply>

## 2.03 PRIMER

- A. Not Applicable  
Proper cleaning with ELASTIKOTE® Substrate Cleaner is utilized in lieu of priming.
- B. Always thoroughly rinse and remove all cleaner residues and allow substrate to thoroughly dry prior to application of ElastiKote® 1000 resin.

## 2.04 REINFORCEMENT

- A. Spun-laced high performance polyester reinforcement scrim used at change of plane junctures, penetrations, curbs, projections, repairs, and seams.

## 2.05 TOOLS AND EQUIPMENT

- A. To maintain efficiency, sufficient pail and drum heat bands will be required to keep two or three pails or two drums heating and/or stirring ahead of installation crew. One heat band per 5-gal pail and two per 50-gal drum are required.
- B. For ElastiKote 1000, use a smooth-medium (1/4" – 3/8" nap) roller if rolling. Spray application is the preferred method for all sprayable materials, or a soft brush may be used. For SEBS or Labor Sav'R Mastic, depending on the area to be covered 1–2 & 4–6-inch soft brushes or smooth-medium (1/4" – 3/8" nap) roller may be used. A 2"– 4" square edged trowel may be used for seams. Brushing SEBS or Labor Sav'R mastic is recommended for vertical seams, flashings, and non-typical configurations. A caulking tube assembly may also be used.

**SPECIFICATION NOTE: Prior to application, ALWAYS THOROUGHLY STIR PRODUCT from bottom to top utilizing a paddle type mixer to ensure proper incorporation of product "solids" which will settle to the bottom of the product container during storage and shipping. During stirring procedure, make sure the paddle "sweeps" completely to the bottom. Do NOT use any type of high speed mixing apparatus that can potentially create air bubbles within the product. Do Mix a 50-gallon drum for 20 minutes and a 5-gallon pail for 5 minutes Do NOT over mix or allow cavitation of product or air entrainment will cause pin holes**

- C. When spray applying ElastiKote® 1000 resin, pumps like the Graco 733, Graco 833, Graco King 45:1, Bulldog 30:1, HydraMax or similar will need to be utilized. Product should be sprayed at 2500 – 3000 PSI. Graco recommended tip such as 625 – 633 or 725 – 733 XHD and always spray without utilizing a diffuser or atomizer bar to best ensure proper application millage thickness and performance efficiency. Hold spray wand during application no higher than 12 inches from target substrate with 50% overlap and allow product to "FLOW" AND "SELF-LEVEL". Always spray at a straight "up and down" or 90° angle to enhance performance. Caution should be exercised especially with overspray.





- D. ElastiKote® products must be properly heated for most all installation methods.

### Material Heating Guide

<b>*ElastiKote 1000 application temperature (top)</b>												
<b>**Target substrate temperature (bottom)</b>												
*120	110	100				95		90		85		80
**40	50	60	70	80	90	100	110	120	130	140	150	160

ElastiKote® 1000 is to be heated from 80° to 120° F  
Recommended tip sizes when performing spray type application:  
625 – 633 or 725 – 733 (All sizes typical)  
Always utilize XHD TIPS with NO diffuser or atomizer bar

ElastiKote® SEBS Mastic or Labor Sav' R Mastic products are to be heated  
from 80° to 120° F: Mastic materials to be installed utilizing trowel, roller or brush  
application

Heating of the product to proper temperature range is required during application in both warm weather and cold weather. Never over heat the product during extreme temperature conditions. The heating procedure allows for proper preparation of the product in anticipation of the application process, and to maximize uniform performance coverage. Heating is accomplished with heat bands or a heat exchanger (for spray application) to maintain proper product viscosity and to maximize the efficiency of the installation process. The heating procedure also enables the installer to synchronize the product temperature range with the target substrate temperature. The determination of the exact application temperature per product will vary depending upon several key factors or conditions. The most critical factors that impact the product application temperature are: the existing ambient temperature, the target substrate temperature, spray tip size, application spray equipment type, delivery distance, hose size, and building height.

Always synchronize the heating process of the material to be installed with the target substrate temperature. Never over heat the product during extreme temperature conditions. For proper performance of applied product, when the target KEE deck temperature is equal (very hot during the summer) or in excess of the product application temperature, always adjust the product temperature before application. If the applied product becomes too hot from the combination of preparation heating and the extreme heat of the target substrate, the product will run or "sag" resulting in low and unacceptable millage thickness. Conversely, if the product is not heated enough and is applied at too low of a temperature, the spray pattern will result in the phenomena known as webbing or "fingering" and the product will not self level.

- E. During application in cold weather, always ensure substrate to be totally dry with no ice, frost, snow, or moisture present.
- F. Never apply ElastiKote® 1000 when ambient temperature is below 40° F
- G. Cleaning: Clean tools with mineral spirits.



### 3.01 SURFACE PREPARATION

- A. Surfaces must be structurally sound, dry and clean, free from moisture, dirt, biological growth (mold, mildew, and algae), grease, oil, paint or any other loose or existing waterproof coatings. Remove all previous coatings, fine particulate or any other contamination which may effect the bond of the ElastiKote® 1000 resin. Gravel or debris between the substrate and plies is not acceptable. All work surfaces must be in sound condition. ELASTIKOTE® LLC requires that a moisture test be performed by an ElastiKote certified applicator and/or a moisture scan (by a professional). If a moisture test/scan reveals more than 5% moisture, then steps to eliminate and repair those areas are to be completed and moisture levels rechecked before initiating recoating or another waterproofing option should be considered.
- B. Mechanically remove all loose gravel, dirt, biomass, etc. by vacuum, mechanical broom, power washing, etc. For best results when power washing, spray pressure should be in the range of 1000 – 1500 psi.

**Note: Always carefully inspect substrate for loose seams, tears, punctures, or other areas of vulnerability that could allow high pressure cleaning water to ingress into the substrate. Refrain from high pressure cleaning in these vulnerable areas.**

- C. After initial power washing and debris removal, clean surface area with ElastiKote® Substrate Cleaner consisting of a water based heavy-duty degreaser mixed with water. Prior to applying cleaning agent, surface must be sprinkled with water to dampen the surface. Working in a systematic grid pattern, apply cleaning agent mixed with water using a hand held sprayer at a rate of 200 square feet per gallon. Allow product to rest on surface for approximately 3 - 4 minutes and then using a push broom apparatus, methodically scrub treated surface area. Rinse thoroughly with water to remove all debris and residues.
- D. If any existing coating or prior contaminants cannot be removed, perform an adhesion test prior to the application of ElastiKote® 1000 resin to insure compatibility and proper bonding properties of resin to substrate.
- E. Any deteriorated roofing membrane being coated should first be repaired using like membrane to the existing roof system. All areas displaying membrane open orifices or severe cracking, must be addressed ( filled ) utilizing an ElastiKote® Mastic (i.e., ElastiKote 1000 SEBS Mastic, ElastiKote 1000 Labor Sav 'R Mastic, or ElastiKote 1000 Sprayable Mastic). Any roof system with excess moisture in the insulation must have the wet areas removed and replaced. Consult Manufacturer regarding any moisture issue.
- F. All rust and contaminants need to be removed from metal to be flashed. Clean all metal to bright. Mechanical abrasion (SSPC SP-3 or SSPC SP-10) may be necessary to remove contaminants. Perform an adhesion test in the event potential vulnerability exists in pre-existing substrate conditions. For application to Kynar or metals with similar finishes contact the ELASTIKOTE® LLC Technical Department.
- G. For PVC piping use sandpaper or similar to “rough up” the surface before flashing.

### 3.02 PRIMING

- A. Not Applicable ( Must properly clean surface area with ElastiKote® approved substrate cleaner )



- B. Mechanically remove all loose gravel, dirt, guano, biomass, etc. by vacuum, mechanical broom or power washing. For best results when power washing, spray pressure should be in the range of 1000 – 1500 psi. After initial power washing and debris removal, clean surface area with ElastiKote® Substrate Cleaner consisting of a water based heavy-duty degreaser mixed with water. Prior to applying cleaning agent, surface must be sprinkled with water to dampen the surface. Working in a systematic grid pattern, apply cleaning agent with hand held sprayer at a rate of 200 square feet per gallon. Allow product to rest on surface for approximately 3 minutes and then using a push broom apparatus, methodically scrub treated surface area. Rinse thoroughly with water to remove all debris and residues.
- C. Always thoroughly rinse and remove all cleaner residues and allow substrate to thoroughly dry prior to application of ElastiKote® 1000 resin.

### 3.03 REPAIRS

- A. Before application of the ElastiKote® 1000 fluid applied membrane, perform all repairs using ElastiKote® SEBS or Labor Sav'R Mastic and spun-laced high performance polyester reinforcement scrim. For seams, cracks, and penetrations with separation cracks that are a maximum of 3/16" wide or less, it is acceptable to properly seal such physical details using ElastiKote® Labor Sav'R applied at a minimum thickness of 3/16" and a minimum width of 4" wide.

Prepare and properly seal all penetrations, curbs, drains, skylights, stacks, lightning protection devices, pitch pans, fasteners and plates, smoke hatches, man doors, access hatches, sprinkler devices, stairs and walk supports, penetrating beams, A/C units, communication and satellite dishes, bracing, pipe supports, passive water outlets, and any other physical apparatus to remain within the restoration roof assembly. Seal all above identified physical details using ElastiKote® Labor Sav'R Mastic applied at a minimum thickness of 3/16" and a minimum width of 4" wide.

For repairs of severe surface separation cracks or severely damaged repair areas, utilize ElastiKote® SEBS Mastic and spun-laced high performance polyester reinforcement scrim. Properly place spun-laced high performance polyester reinforcement scrim in wet liquid, remove all wrinkles, "fishmouths", or other membrane surface irregularities in the membrane and then immediately apply a topcoat of ElastiKote® SEBS Mastic wet-on-wet to ensure complete saturation and encapsulation of the scrim.

Inspect and immediately correct and remove all voids, wrinkles, fish-mouths, trapped air, etc.

Base and top spun-laced high performance polyester reinforcement scrim coats must extend a minimum of 2" past the perimeter of the repaired area.

If the repair is to a crack, split or similar, a minimum 4" wide reinforcement scrim must be used.

1. Base Repair Coat: Minimum application rate of 2.0 gal/sq (25 wet mils—verify with *Wet Film Gauge*) depending on surface texture.
2. Top Scrim Coat: Minimum application rate of 2.0 gal/sq (25 wet mils—verify with *Wet Film Gauge*) depending on surface texture.



**For all MASTIC application methods, MASTIC product must be heated. Heat ElastiKote SEBS & Labor Sav 'R Mastics to 80° F - 100° F with heat bands.**

**Material Heating Guide**

<b>*ElastiKote SEBS Mastic application temperature (top)</b>												
<b>**Target substrate temperature (bottom)</b>												
<b>*120</b>			<b>95</b>			<b>90</b>			<b>85</b>			<b>80</b>
<b>**40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>

**3.04 FLASHING APPLICATION**

- A. Prior to final restoration coating process, prepare all flashings and flashing seams using ElastiKote SEBS mastic or ElastiKote *Labor Sav'R* mastic product. Prepare all change of plane flashing areas. For all change of plane flashing areas with separation cracks that are a *maximum* of 3/16" wide or less, it is acceptable to properly seal such physical details using ElastiKote *Labor Sav'R* mastic product applied at a minimum thickness of 3/16" and a minimum width of 4" wide. For all flashings and details that are greater than 3/16" wide, apply an even base scrim coat of ElastiKote® SEBS Mastic with a brush or roller. Embed reinforcement scrim in this layer and immediately apply a top scrim coat of ElastiKote® SEBS or ElastiKote® Labor Sav'R Mastic wet-on-wet. Configure the reinforcement by cutting reinforcement scrim 4" wider than the split, seam or transition in each direction. Ensure that polyester reinforcement is fully saturated and encapsulated within applicable mastic and does not have voids, fish mouths, trapped air, or wrinkles.
  - 1. Base Scrim Coat: Minimum application rate of 2.0 gal/sq (25 wet mils—verify with *Wet Film Gauge*) depending on surface texture.
  - 2. Top Scrim Coat: Minimum application rate of 2.0 gal/sq (25 wet mils—verify with *Wet Film Gauge*) depending on surface texture.
  
- B. All coping materials and/or termination bars incorporated within the roofing assembly must be inspected. All coping material joints (if applicable) must be properly prepared and sealed. All termination bars must be sealed and encapsulated utilizing ElastiKote SEBS Mastic or ElastiKote Labor Sav 'R Mastic. All exposed fasteners and plates must be inspected, replaced if defective, and properly sealed with a "dollop" application of ElastiKote SEBS Mastic prior to restoration coating process.



### 3.05 FIELD APPLICATION

- A. **TWO COATS - EACH APPLIED AT MINIMUM 1.5 GALLONS PER SQUARE RECOMMENDED COVERAGE RATE WITH THE REQUIREMENT THAT SECOND (2<sup>nd</sup>) COAT BE INSTALLED PERPENDICULAR TO THE FIRST (1<sup>st</sup>) TO ENSURE OPTIMUM PERFORMANCE.**

Apply the initial "1<sup>st</sup> Coat" of ( Light Gray Color ) ElastiKote® 1000 resin with a sprayer and/or a roller over the entire roof surface. Allow the ElastiKote® 1000 resin "1<sup>st</sup> Coat" of (Light Gray Color) resin to cure.

Apply the 2<sup>nd</sup> and final "wear" coat following application procedure. The 2<sup>nd</sup> and final "wear" coat to be applied should be the product identified as ElastiKote® 1000 White applied at a minimum rate of 1.5 gallons per square.

**After completion of the final application, which is to serve as the "wear" coat, always wait a minimum of 24 hours before trafficking.**

1. 1<sup>st</sup> Coat: Minimum application rate of 1.50 gallons per square ( ElastiKote® 1000 Light Gray )
2. 2<sup>nd</sup> and final "wear" coat: Minimum application rate of 1.50 gallons per square ( ElastiKote® 1000 White )

It is recommended (not mandatory) to utilize a "bright white" color ElastiKote® 1000 resin for the final Coat (wear) application to maximize reflectivity and energy conservation.

- B. **Cured Final Membrane Thickness: A minimum of 21 dry mils.**

### 3.06 COATING INSTALLATION - GENERAL

- A. Membrane Application: Install roofing in accordance with roofing system manufacturer's current published instructions and the following requirements.

- B. Aesthetic Considerations: The overall aesthetically pleasing appearance of the finished roof is a standard requirement for this Project. Make necessary preparations, utilize recommended application techniques, apply the specified materials and exercise care in ensuring that the finished application is acceptable to the Owner.

- C. General Installation:

1. Contractor shall prevent overspray and be responsible for parking lot areas and/or adjoining areas not part of this contract.
2. Contractor shall be responsible for sealing, as required, all openings that may allow coating migration or dripping, i.e. pitch dams, envelopes, and filler strips.
3. Correct all errors in application the same work day they occur, including bare spots, improper application, physical damage and all work not meeting specifications.



4. Protect adjacent areas and materials from damage by coating operations with tarpaulin or other durable materials.
5. Apply materials in straight, smooth lines without smears, overlaps, or splatter on adjoining materials. Complete roofing operations promptly.

### **3.07 CLEANING**

- A. Remove all used containers and wrappings from the site.
- B. Dispose in approved location and manner.
- C. Remove markings from any finished area.
- D. Repair any finished areas damaged by this application.
- E. All waste materials, rubbish, etc., shall be removed from the Owner's premises as accumulated. Rubbish shall be carefully handled to reduce the spread of dust, and shall be deposited at an approved disposal site. At completion, all work areas shall be left broom clean and all contractor's equipment and materials removed from the site.

### **3.08 COMPLETION**

- A. Upon completion of new installation (including all associated work), institute appropriate procedures for surveillance and protection of finished work during remainder of construction period. Protect all areas where Coating has been installed.
- B. Notify the Owner and the Manufacturer when finished. Coordinate final inspection by Manufacturer. Complete all repairs or requests promptly. Comply with all paperwork and payment requirements necessary to acquire the specified warranty.

END OF SECTION