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Section 07540

BUILT UP ROOF (BUR) SPECIFICATION

ElastiKote® Series 1000 Fluid Applied Membrane

2-Coat Protocol

Material Only_10 yr Warranty

ELASTIKOTE® RESTORATION PROTOCOL: BUILT UP ROOF (BUR)	
ElastiKote 1000	10 Year 2 Coat
<p style="text-align: center;">Existing Built Up Roof (BUR) Candidate</p> <p style="color: red; font-weight: bold;">Labor Sav 'R Mastic as needed</p> <p style="color: red; font-weight: bold;">SEAM</p> <p style="color: red; font-weight: bold; border: 1px solid red; padding: 2px; display: inline-block;">Repair all Suspicious Cracks & Seams w/ Labor Sav 'R Mastic</p> <p style="text-align: center; background-color: #cccccc; padding: 5px;">ElastiKote Preparation Coat or Slurry or Sprayable Mastic (As Needed Only)</p> <p style="text-align: center; background-color: #808080; padding: 5px;">ElastiKote 1000 SB Light Gray (2.0 gal per sq)</p> <p style="text-align: center; background-color: #e0e0e0; padding: 5px;">ElastiKote 1000 XP White (1.50 gal per sq)</p>	<p style="text-align: center;">Preparation</p> <p>Mechanically remove all loose dirt, etc. by vacuum or mechanical broom.</p> <p>DO NOT incorporate high-pressure water into existing roof assembly</p> <p>Clean areas as needed with Elastikote Substrate Cleaner</p> <p>Surface must be dry, clean, and free from dirt, loose rust and foreign substances</p>
<p style="text-align: center;">Application</p> <p>Complete Preparation Steps (above)</p> <p>Apply Elastikote Preparation Coat or "Slurry" (as needed only)</p> <p>Allow to dry at least 48 hours before applying additional applications</p> <p>Inspect all surfaces for suspicious and vulnerable areas to be reinforced with Elastikote 1000 Labor Sav 'R Mastic at a minimum of 3/16" wet thickness</p> <p>Apply Labor Sav 'R Mastic or reinforced SEBS Mastic to penetrations and expansion joints as well as flashings, transitions and curbs with angles 90 degrees or greater. Anything less than 90 degrees can be reinforced with Labor Sav 'R, non-reinforced SEBS Mastic or Sprayable Mastic.</p> <p>Apply 1st coat of Elastikote 1000 SB (Light Gray) at 2.0 gal per sq</p> <p>Apply final wear coat of Elastikote 1000 XP (White) at 1.5 gal per sq</p> <p>TOTAL COMPLETED MILS_23 Dry Mil</p>	

To the best of our knowledge and subject to change without prior notice, the technical values or data contained herein is true and accurate as of the date of issuance. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by our in-house and independent third party labs for the purpose approval and/or classification. Acceptance, purchase and selection of these products are the sole responsibility of the buyer, buyer's agent or buyer's customer. Elastikote, LLC assumes no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER GUARANTY OR WARRANTY OF ANY KIND IS MADE BY ELASTIKOTE, LLC, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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 Built Up Roof (BUR) substrates. The ElastiKote 1000 system for BUR roof systems consists of one coat of ElastiKote 1000 Stain Blocker (SB) and one coat of ElastiKote 1000 Extra Protection (XP). Each is a single component cold-applied liquid SEBS resin. The system is reinforced at the seams and certain critical areas which shall have polyester reinforcement scrim added and/or an ElastiKote 1000 Mastic grade product.
- B. All BUR roofs with existing protective and embedded gravel, which will remain intact within the restored assembly, shall require a supplemental application of SEBS coating or an applicable "slurry" mix as described below in (D.) prior to the application of the system specified in this document. See specification note in Section 3.05.
- C. All BUR roofs with severe existing membrane defects or which display the presence of excessive and/or deep dehydration cracks (alligating) that are to remain within the target substrate, may be subject to the usage of a slurry mix as described below in (D.) or a supplemental coating of SEBS mastic to properly prepare such defective areas prior to commencing with the restoration process. See specification note in Section 3.05.

Alligating of BUR Roof



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- D. In the event an existing BUR restoration candidate roof has remaining protective gravel in the target substrate after undergoing the initial preparation process of washing, sweeping and/or vacuuming as SEBS "slurry" mix may be advisable for proper encapsulation of the remaining embedded gravel preparatory to the restoration process.

the existing BUR restoration candidate roof, the incorporation of a slurry mix or application of SEBS mastic will properly fill and stabilize strategic areas of the substrate prior to commencing with restoration activity. If a slurry mix is necessitated to maximize the effectiveness of the restoration process, contractor shall prepare and install an SEBS "slurry" mix following the specific protocol depicted below utilizing the ElastiKote 1000 product.

1. Properly heat to 110°F (typical - see chart below) a five (5) gallon pail of ElastiKote 1000 SEBS liquid membrane resin and stir for a minimum of five (5) minutes to prepare the liquid membrane to receive an infusion of sand particulate.
2. Separate the heated, stirred, and properly prepared five (5) gallon pail of ElastiKote 1000 into two equal parcels of 2.5 gallons each in separate containers.
3. Immediately after preparing the two (2) containers of ElastiKote 1000, introduce 35 lbs - 40 lbs of dry commercial medium grade sand into each container. Stir thoroughly until sand is totally incorporated throughout the mixture and creates a slurry.
4. Utilizing a smooth squeegee methodology, spread slurry contents of both containers over 100 square feet. This will result in stabilizing the substrate and creation of a smooth, hard substrate surface desirable to maximize the restoration process.
5. Following same protocol, apply 1000 slurry over entire restoration area and allow to properly dry for a minimum of 24 - 48 hours prior to commencing with further restoration activities.

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. Underwriters Laboratory product certification
 - 9. 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 manufacturer's materials installed by contractor.
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 Manufacturers' Representative to detect, pinpoint, 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, his responsibility of full performance of work required of him 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, 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.



1.09 WARRANTY

- A. Upon completion of work provide a Manufacturer's standard 10-Year warranty covering manufacturer's materials installed by contractor. 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 system
 - 1. Ready to use single component high performance SEBS resin.



- B. For specific product test results refer to the *Technical Information* section of these Product Data Sheets.
- ElastiKote® 1000
 - ElastiKote 1000 Labor Sav'R® Mastic
 - ElastiKote® 1000 SEBS Mastic
 - ElastiKote® 1000 Sprayable Mastic
 - ElastiKote® 1000 Stain Blocker (SB)
 - ElastiKote® 1000 Extra Protection (XP)
- 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.

2.03 PRIMER

- A. A primer application is not required unless determined and prescribed by Manufacturer. For primer application, always contact manufacturer for specific need, type and protocol.

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 product or air bubbles may cause pinholes

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 XHD tips such as 625 – 633 or 725 – 733 and always spray without utilizing a diffuser or atomizer bar to best ensure proper application millage 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

*ElastiKote 1000 Stain Blocker temperature (top)													
**Target substrate temperature (bottom)													
*130	125	120	115	110	105	100							
**40	50	60	70	80	90	100	110	120	130	140	150	160	

Material Heating Guide

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

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- **ElastiKote 1000 SB (stain blocker) is to be heated from 100° to 130° F**
Recommended sizes when performing spray type method:
633 – 637 or 733 – 737 (All sizes typical)
Always utilize XHD TIPS with NO diffuser or atomizer bar
- **ElastiKote 1000 XP (extra protection) is to be heated from 80° to 120° F**
Recommended sizes when performing spray type method:
633 – 637 or 733 – 737 (All sizes typical)
Always utilize XHD TIPS with NO diffuser or atomizer bar
- **ElastiKote 1000 SEBS Mastic or Labor Sav' R Mastic products are to be heated from 80° to 120° F (these materials installed with trowel, roller or brush)**
- **ElastiKote 1000 Sprayable Mastic is to be heated from 80° to 130°F** Recommended sizes when performing spray type method:
441 – 447 or 541 – 547 (All sizes typical)
Always utilize XHD TIPS with NO diffuser or atomizer bar

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 method) 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 deck temperature. Never over heat the product during extreme temperature conditions. For proper performance of applied product, when the target 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. The proper product temperature range is especially critical when applying the product identified as ElastiKote 1000 Sprayable Mastic.

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



PART 3 - APPLICATION

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 particles or any other contamination which may affect the bond of the ElastiKote 1000 system. Gravel or debris between the substrate and plies is not acceptable. All work surfaces must be in sound condition. ELASTIKOTE LLC recommends that a moisture scan be performed by an independent source and *requires a scan for a labor and material warranty*. If a moisture scan reveals more than 20% of the roof to be saturated then another waterproofing option should be considered. Core cuts may be prudent as well.
- B. Mechanically remove all loose gravel, dirt, 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 SB 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, severe "alligatoring", or modified bitumen dehydration cracking, must be addressed (filled) utilizing either the ElastiKote 1000 "slurry" mix or 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.
- G. For PVC piping use sandpaper or similar to "rough up" the surface before flashing.

3.02 PRIMING

- A. A primer application is not required unless determined and prescribed by Manufacturer. For primer application, always contact manufacturer for specific need, type and protocol.



3.03 REPAIRS

- A. Before application of the ElastiKote 1000 SB fluid applied membrane, perform all repairs using ElastiKote 1000 Mastic and spun-laced high performance polyester reinforcement scrim. An initial ElastiKote 1000 "slurry" mix preparatory application as depicted in Section 1.01 C may be applicable. 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 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 or ElastiKote 1000 Sprayable Mastic wet-on-wet to ensure complete saturation and encapsulation of the scrim.

Severe surface separation or dehydration cracks (alligatoring) may be prepared by using ElastiKote 1000 Sprayable Mastic or ElastiKote 1000 "slurry" mix mentioned previously. Before application of the ElastiKote 1000 SB membrane, perform all repairs using ElastiKote 1000 Mastic and spun-laced high performance polyester reinforcement scrim. For seams, cracks, and penetrations 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.

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 consumption of 2.0 gal/sq (25 wet mils—verify with *Wet Film Gauge*) depending on surface texture.
2. Top Scrim Coat: Minimum consumption 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 1000 SEBS & Labor Sav'R Mastics to 80°F - 100°F with heat bands. Heat ElastiKote 1000 Sprayable Mastic to 80°F – 130°F with heat bands or heat exchanger to ensure proper viscosity for maximum performance of applied product.

Material Heating Guide

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

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Material Heating Guide

ElastiKote 1000 Sprayable Mastic												
*Application temperature (top)												
**Target substrate temperature (bottom)												
*120	115	110	105	100								
**40	50	60	70	80	90	100	110	120	130	140	150	160

3.04 FLASHING & OTHER DETAIL 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 1000 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 1000 Sprayable 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 consumption of 2.0 gal/sq (25 wet mils—verify with *Wet Film Gauge*) depending on surface texture.
 2. Top Scrim Coat: Minimum consumption 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 fasteners 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

SPECIFICATION NOTE: All modified bitumen roofs with severe defective surface areas located within the target substrate surface, shall require a supplemental preparation coating of ElastiKote 1000 resin or SEBS mastic. Such supplemental coating shall consist of an application rate of 1.5 gallons per 100 square feet minimum or until the remaining defects have been totally encapsulated. In lieu of the supplemental coating or mastic application, if prudent, one may apply a "slurry" mix as described in Section 1.01 C above.



A. SYSTEM APPLICATION (GENERAL APPLICATION)

MANDATORY THREE (2) STEP PRODUCT ASSEMBLY PROCESS UTILIZING ELASTIKOTE SB (STAIN BLOCKER), A COAT OF ELASTIKOTE 1000 XP WHITE.

Apply an initial 1st Coat” of Elastikote 1000 SB Silver (Stain Blocker) resin with a sprayer and/or a roller at a rate of 2.0 gallons per square over the entire roof surface. Allow the Elastikote 1000 SB Silver resin to cure a minimum of a complete twenty-four (24) to forty-eight (48) hour period to prevent chemically reacting compatible oils from migrating through the initial 1st coat to the surface and staining the final wear surface coating.

After installation of 1st coat and waiting for a minimum period of 24 – 48 hours, perform a physical inspection to identify all seams.

Apply the 2nd coat following application procedure. The proper product to utilize for the 2nd coat should be the product identified as Elastikote 1000 XP White at a 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. 1st Coat: Minimum application rate of 1.5 gallons per square (Elastikote 1000 SB Silver)
2. 2nd Coat: Minimum application rate of 1.50 gallons per square (Elastikote 1000 XP White)

B. **Cured Final Membrane Thickness: A minimum of 23 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