



PRODUCT DATA SHEET

ElastiKote® 1000 SEBS Mastic

5-2-2012

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DESCRIPTION

ElastiKote® 1000 SEBS Mastic is a flexible, high performance, watertight, puncture resistant ready-to-use single component fluid-applied styrene ethylene butylene styrene (SEBS) reinforced liquid resin. ElastiKote SEBS Mastic is used in various restoration and waterproofing liquid applied membrane applications. When combined with a spun-laced high performance polyester fleece scrim, SEBS Mastic will form a monolithic, self-flashing and self-adhering reinforced waterproofing membrane for a variety of roofing restoration applications, such as:

EPDM	Granular surfaced SBS modified bitumen	Hypalon®	APP	KEE (Elvaloy®)
PVC	Smooth Surfaced Asphalt BUR	Galvanized metal	Kynar®	Plywood
TPO	Smooth Surfaced Coal Tar Pitch BUR	Spray Polyurethane Foam		Concrete

ElastiKote 1000 SEBS Mastic can be utilized in the following applications where it may or may not be used in concert with polyester reinforcement. Reinforced (R) Non-Reinforced (NR)

- Metal roofs preparation process at horizontal seams (R), vertical seams (NR), penetrations (R), flashings (R), and fastener heads (NR)
- Restoration repair and reinforcement of expansion joints, transitions, and curbs (R)
- Repairs (reinforced as necessary)
- Flashings (R) (use SEBS Mastic for angles less than 90°)
- Seam repair (R)
- Vertical flashing seams (R)

ElastiKote 1000 SEBS Mastic is available in white or silver in 5-gallon re-sealable pails or 50-gallon (net by weight) drums. ElastiKote 1000 SEBS Mastic is manufactured in our ISO 9001:2008 Registered facility located in Smithville, Ohio.

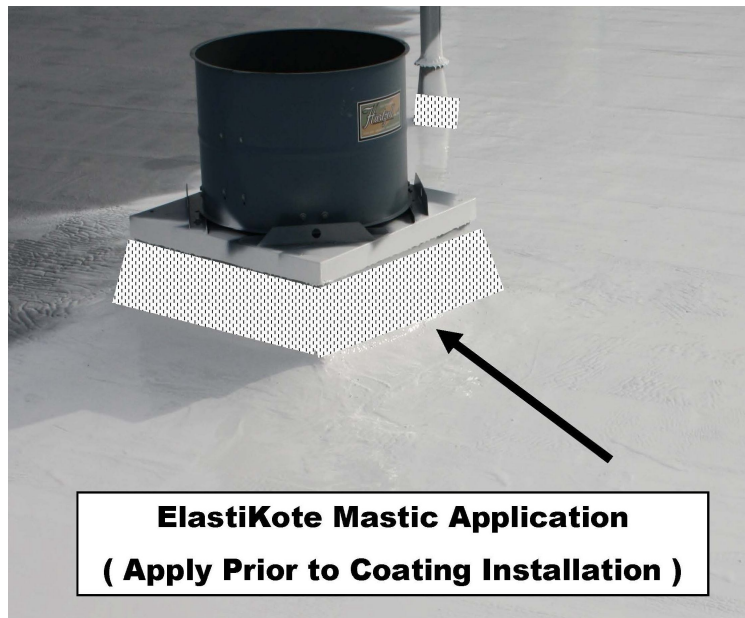
TECHNICAL INFORMATION

Physical Properties

Viscosity (cps).....	300,000 +/- 50,000
Odor.....	Low aromatic (masked)
Density at 77° F.....	7.5 lb/gal +/- 0.5
Application.....	Caulking tube
Coverage	assembly, Brush,
	Roller or Trowel
Approx. 45 – 50 linear	22 – 26 sq ft/ gal
ft/gal of 4" wide BAND by	
3/16" depth depending	
on substrate	

Fastener encapsulation rate at approximately 250 – 260 individual units per gallon with a dollop on each unit

Although ElastiKote 1000 SEBS Mastic contains formulated reinforcement, it is designed to work in concert with reinforcement scrim in all applications except when reinforcing the vertical seams of metal and when "dolloping" metal fasteners.



www.elastikote.com

Toll free (800) 992-1053

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Typical ElastiKote SEBS Mastic Installations

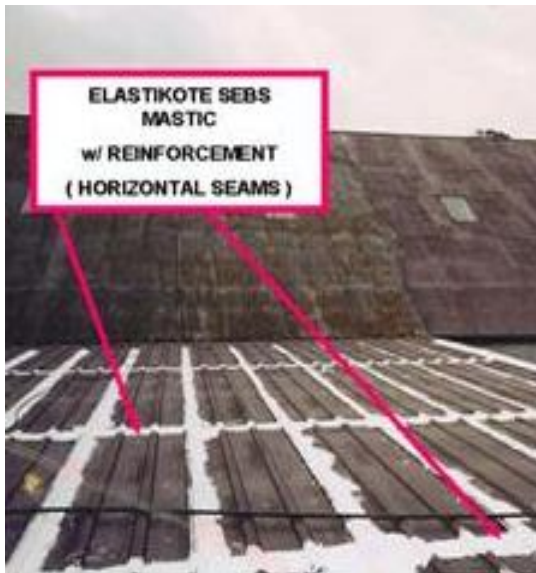
Prepared Single Ply Seams w / SEBS Mastic



Metal Fasteners must be "Dolloped" with SEBS Mastic



Properly Prepared Horizontal Seams w / SEBS Mastic



SEBS Mastic Repair Application with Polyester Reinforcement



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Roof Restoration–Project Overview

For specific detailed information refer to the Elastikote material substrate specification.

Storage and Handling

Maintain materials in their original unopened containers with all labels intact and legible. Shelf life is 2 years in original unopened containers. Storing containers above the recommended temperatures (i.e., exposure to direct sunlight) may reduce the products' shelf life. The resin may polymerize at temperatures above 140°F (60°C). **Store in areas where maximum temperature does not exceed 90°F and at a minimum of 40°F. Never store drums in an open environment without using proper protective moisture proof covering as condensation or rain, under certain conditions may infiltrate and contaminate the drum contents through the "bung" and ring areas. KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM FLAME OR ANY OTHER SOURCE OF IGNITION.** For additional safety & health information, refer to the MSDS for this product.

Roof Inspections

Inspections may include a pre-application technical field evaluation for determination of the acceptability of the substrate. An adhesion test may be required to ensure compatibility with the existing substrate. At the conclusion of the project a final inspection may be conducted.

Contractor Qualification

All contractors installing Elastikote materials are thoroughly trained by the Manufacturer in all aspects of use and application of materials. Certification credentials are issued upon completion of training activities.

Surface Preparation

Surface must be dry, clean, and free from dirt, loose rust and foreign substances. Certain surfaces may require power washing and wire brushing to remove loose mill scale, biomass, expended paint or coatings, corrosion or any other loose or foreign particulate. All termination bars, including fastener heads, must be coated with either Elastikote 1000 SEBS Mastic or 1000 Sprayable Mastic. All batten bar fastener heads must be also treated with mastic prior to any coating application. Spun-laced high performance polyester reinforcement scrim in conjunction with SEBS Mastic is to be used at change of plane junctures, expansion joints, transitions, penetrations, curbs, projections, repairs, and seams greater than 3/16" in width. Labor Sav 'R Mastic may be an acceptable alternative on a case-by-case basis with Manufacturer approval.

Material Heating Guide

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

Application

Prior to application, always ensure substrate is totally dry with no ice, dew, frost or any other type of moisture present. Priming may be needed. Always refer to guidelines in the Elastikote material substrate specification.

ElastiKote 1000 SEBS Mastic must be heated to 80°F – 120°F with heat bands to ensure proper viscosity for maximum performance of applied product in both **warm and cold weather.**

Stir entire heated material container (summer & winter) thoroughly prior to application. Always mix (stir) from bottom to top using a paddle type mixer. Be diligent that paddle sweeps actual bottom of drum.

To best work efficiently, keep two or three 5-gallon pails or two 50-gallon drums heating and/or stirring ahead of crew. Heating a 5-gal pail from 70°F to 100°F with one 4" wide heat band on max (#10 setting) should require approximately 10 minutes plus an additional 5 minutes to mix. Heating a 50-gallon drum from 70°F to 100°F when using a heat exchanger should take between 20 – 30 minutes. Heating a 50-gallon drum from 70°F to 100°F with two 4" wide bands heaters on max (#10 setting) should take approximately 30 – 40 minutes.

Apply product using a smooth-medium nap roller, brush, square edge trowel, or caulking tube assembly at ambient temperatures above 40°F (4°C). Always remix product after any application work stoppage of **20 minutes or more** to ensure critical additive products stay in suspension.

Repairs

For blisters, extreme membrane separation or severley damaged repair areas that are greater than 3/16", utilize Elastikote SEBS Mastic and a high performance polyester fleece scrim. Apply an even base coat of Elastikote SEBS Mastic then place the scrim in wet liquid mastic. Remove all voids, wrinkles, fish-mouths, trapped air, etc. and immediately, while wet, apply a topcoat of Elastikote SEBS Mastic to encapsulate the scrim. When utilizing reinforcement scrim, the mastic should be applied to a 1/8" thickness and extended a minimum of 1" beyond the scrim edge.

To ensure proper reinforcement at flashings and change of plane areas that are less than 90°, utilize either SEBS Mastic or Sprayable Mastic. For 90° angles always use Labor Sav 'R Mastic.

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Tools & Equipment

Follow personal protective equipment requirements as listed on material MSDS. Utilize appropriate OSHA safety equipment. Drum and/or pail 4" heat bands, infrared thermometer, wet mil gauge, and paddle type mixer are required. 1–2 & 4–6-inch soft brushes or smooth-medium roller may be used to apply ElastiKote Mastic products. A 2"–4" square edged trowel may be used for seams, and for integrating with reinforcement scrim (fleece). A brush is also recommended for vertical seams, flashings, and non-typical configurations. A caulking tube assembly may be used for SEBS or Labor Sav 'R Mastic products.

ElastiKote® 1000 SEBS Mastic Part Numbers

10-SEMS-WH-05	White 5.0 gal pail
10-SEMS-WH-50	White 50 gal drum
10-SEMS-SI-05	Silver 5.0 gal pail
10-SEMS-SI-50	Silver 50 gal drum

To minimize ozone and UV radiation degradation, apply a coating of ElastiKote 1000 (or other ElastiKote topcoat product).

Minimum Suggested Coverage Rate

Surface dictates actual rate. Refer to guidelines in the ElastiKote material substrate specification.

A minimum of 22–26 sq ft per gallon for ElastiKote SEBS Mastic.

A maximum of 260 Fastener Head "dollops" per gallon.

Approx. 45 – 50 linear ft/gal of 4" wide BAND by 3/16" depth depending on substrate

Drying Time

Minimum dry time of 4–6 hours (typical) before application of other ElastiKote SEBS topcoat products in optimal weather conditions. Anticipate on a longer drying time in non-optimal weather conditions.

Do not allow any flexing or foot traffic for at least 24 hours or curing mastic may rupture.

Clean-Up

Clean equipment, brushes, rollers, and tools using regular mineral spirits before the product cures (within pot life of product – approximately 15 minutes).