



Elastikote®
 5020 Enterprise Parkway
 Seville, OH 44273
 800-992-1053

Rev. 7-12-17

1 of 3

DESCRIPTION

ElastiKote® 5000 SEBS Mastic is an environmentally responsible low VOC, flexible, high performance, watertight, puncture resistant ready-to-use single component fluid-applied styrene ethylene butylene styrene (SEBS) reinforced liquid resin. ElastiKote 5000 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 5000 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°) (use SEBS Mastic and Reinforcement for 90° angles)
- Seam repair (R)
- Vertical flashing seams (R)

ElastiKote 5000 SEBS Mastic is available in white or silver in 5-gallon re-sealable pails or 50-gallon (net by weight) drums. ElastiKote 5000 SEBS Mastic is manufactured in our ISO 9001:2008 Registered facility located in Seville, Ohio.

TECHNICAL INFORMATION

Physical Properties

Viscosity (cps).....	300,000 +/- 50,000
VOC.....	<50 g/l
Odor.....	Low aromatic (masked)
Density at 77° F.....	7.5 lb/gal +/- 0.5
Application.....	Caulking tube assembly, Brush, Roller or Trowel

Shelf Life.....	22 – 26 sq ft/ gal
Coverage.....	

Approx. 45 – 50 linear 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 5000 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.

SEBS Mastic Repair with Polyester Reinforcement



ElastiKote SEBS Mastic Repair Application
 (Apply Prior to Coating Installation)
 SEBS MASTIC
 Used in Concert w/ Polyester Reinforcement

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/SDS 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.

Applicator Qualifications

All ElastiKote certified applicators 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. Spun-laced high performance polyester reinforcement scrim in conjunction with ElastiKote 5000 SEBS Mastic is to be used in lieu of Labor Sav 'R at all change of plane junctures, expansion joints, penetrations, curbs, projections, repairs, and seams **greater than 3/16” in width**. Certain surfaces may require abrading, scraping, or pickling to ensure proper adhesion. Certain surfaces must be primed and cleaned with a Manufacturer approved product. All fasteners must be checked and tightened (or properly replaced).

Tools & Equipment

Follow personal protective equipment requirements as listed on material MSDS/SDS. Utilize appropriate OSHA safety equipment. Drum and/or pail 4” wide heat bands, wet mil gauge, infrared thermometer, digital moisture meter, and paddle type mixer are required. 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 is recommended for vertical seams, flashings, and non-typical configurations.

Material Preparation

ElastiKote 5000 SEBS Mastic must be heated to 80°F – 120°F with 4” heat bands to ensure proper viscosity for maximum performance of applied product in both **warm and cold weather**.

Material Heating Guide

* EK 5000 SEBS Mastic application temp. (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	

To 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 take approximately 10 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.

Stir entire heated material container (summer & winter) thoroughly prior to application. Always mix (stir) from bottom to top using a paddle type mixer at a minimum of 10 minutes for a 50–gallon drum and 3 minutes for a 5–gallon pail. Be diligent that paddle sweeps actual bottom of container.

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. Apply product using a smooth-medium nap roller, soft bristled 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 severely 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 minimize ozone and UV radiation degradation, apply a coating of ElastiKote 5000 (or other ElastiKote topcoat product).

ElastiKote® 5000 SEBS Mastic

3 of 3

Tools & Equipment-Cont.

A caulking tube assembly may also be used. Use tarpaulins or other durable materials to protect adjacent areas from damage.

Metal Fasteners must be “Dolloped” with SEBS Mastic



Prepared Single Ply Seams w / SEBS Mastic



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 of Elastikote Labor Sav 'R Mastic.

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 recoating in optimal weather conditions. Anticipate 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).