



PRODUCT DATA SHEET

ElastiKote® 1000 Clear

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DESCRIPTION

ElastiKote® 1000 Clear is a flexible, high performance, watertight, puncture resistant ready-to-use single component fluid-applied styrene ethylene butylene styrene (SEBS) liquid resin used in the restoration of fiberglass skylights, top coats over colors, as well as roof substrates such as:

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

To promote long lasting protection, ElastiKote 1000 Clear is formulated to minimize ozone and UV radiation degradation vulnerability. ElastiKote 1000 is available in 5-gallon pails or 50-gallon (net by weight) drums. ElastiKote 1000 is manufactured in our ISO 9001:2008 Registered facility located in Smithville, Ohio.

Skylight coated with ElastiKote 1000 Clear

It is highly recommended that all Skylights be outlined with a 4" band of ElastiKote 1000 "Safety Sparkle" Red to enhance worker safety. The Safety Sparkle Red is also coated with ElastiKote 1000 Clear





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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. Store containers on pallets in a protected area. **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 target 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.

Tools & Equipment

Follow personal protective equipment requirements as listed on material MSDS. Utilize appropriate OSHA safety equipment. Drum and/or pail 4” wide heat bands or heat exchanger, wet mil gauge, infrared thermometer, and paddle type mixer are required. Use a smooth-medium nap roller if rolling. Spray application is the preferred method for all sprayable materials. Use a Graco 733, Graco 833, (3 gpm output & displacement pump of 3500 psi) or similar equipment with appropriate tips. Use tarpaulins or other durable materials to protect adjacent areas from damage.

Material Heating Guide

*ElastiKote 1000 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

Application

Prior to application, always ensure the target 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.

All ElastiKote 1000 topcoats must be properly heated and stirred prior to either spray or roller application methodology. To maximize product performance and ease of application, always heat the product to a temperature range of between 80°F and 120°F with 4” wide heat bands or heat exchanger, it is especially important to heat product to ensure proper viscosity for maximum performance of applied product in both **warm and cold weather**.

Determine “on site” the proper application temperature for efficient and quality assuring best practice product installation. Temperature selection can vary. Selection will be impacted by existing ambient air temperature, target roof substrate temperature, specific roof slope and size, and the type and size of selected spray pump and spray tip to be used. Always synchronize the heating process of the material to be installed with target substrate temperature. When target substrate is equal (very hot during the summer) or in excess of the product application temperature, always adjust the product temperature before application. If applied product becomes too hot from the combination of preparation heating and exposure to extreme heat of target substrate, the product will run or “sag” resulting in low and unacceptable millage thickness. Conversely, if the product is not heated sufficiently and is applied at too low a temperature, the spray pattern will result in the phenomena known as “webbing” or “fingering” and the product will not self-level. If in doubt, always contact Manufacturer.

Stir heated material (summer & winter) thoroughly prior to application. Always mix (stir) from bottom to top using a paddle type mixer at a minimum of 20 minutes for a 50–gallon drum and 5 minutes for a 5–gallon pail. Be diligent that paddle sweeps actual bottom of drum. Do not over mix or allow cavitation of product (make bubbles), as air entrainment will result in pinholes.

Apply product using appropriate spray equipment (preferred method) or product may be rolled with medium nap roller or soft brush at ambient temperatures above 40°F (4°C). Remove all filters from spray unit or spray guns. Use heavy–duty (XHD) tips without an atomizer bar. Tip sizes range from 625 to 633 and 725 to 733. Tips may need to be adjusted depending on slope and product. Hold



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ElastiKote® 1000 Clear Part Numbers

10-RF-CL-05 5.0 gal pail
10-RF-CL-50 50 gal drum

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. Always remix product after any application work stoppage of **20 minutes or more** to ensure critical additive products stay in suspension.

Minimum Suggested Coverage Rate

Target surface dictates actual rate. Refer to guidelines in the Elastikote material substrate specification.

Apply in **two** coats at a minimum of 21 wet mils per coat (*@ 1.5 gallons per 100 sq ft per coat*) for low slope surfaces.

This results in a finished coating @ a minimum of 21 dry mills.

Drying Time

24 hours (typical) for topcoats in optimal weather conditions.

48 hours (typical) for topcoats in non-optimal weather conditions.

Clean-Up

Clean equipment, brushes, rollers, and tools using Regular Mineral Spirits.