



AIR & VAPOR BARRIER

Sure-Seal® Pressure-Sensitive Elastoform

Description

CCW Sure-Seal Pressure-Sensitive Elastoform is a fully-adhered, flexible, synthetic rubber flashing of 0.090 inch (90 mil) thickness consisting of 0.060 inch (60 mil) thickness un-cured EPDM laminated with 0.030 inch (30 mils) of synthetic rubber, pressure-sensitive adhesive. The product is soft and malleable in the package, and it self-cures to a harder, more rubber-like state on exposure to ambient conditions. Product is provided in rolls of various widths, interleaved on both sides with disposable plastic release film.

Elastoform is used as a detail flashing in CCW air barrier and through-wall flashing systems. It is also used for detailing in Sure-Seal EPDM and Sure-Seal Butyl waterproofing systems. The product is easily malleable and highly adaptable to irregular shapes and surfaces.

- Air/Vapor Barrier – Bridging fenestration to the air barrier membrane
- Air/Vapor Barrier – Detail at expansion joints
- Through-Wall Flashing Inside-outside corner details
- Waterproofing – pipe, column and beam penetrations
- Waterproofing – inside-outside corner details



Elastoform in commercial window details.

Features and Benefits

- Conforms to complex shapes and bridges gaps in air barrier systems up to 1 inch, saving time and materials
- Cures in place – forms high-strength, custom-formed flashing
- Simple installation saves time and money
- Covers multi-plane intersections with no cutting or pinholes; no leaks and no callbacks
- High-Temp and UV-resistant and compatible with many materials – versatile use
- Low odor; suitable for use in above-grade wall assemblies
- Integral part of the CCW air barrier and waterproofing systems – warranted, single-source system

Installation

Surfaces shall be sound, dry and free of dust and debris. In above-grade construction, gaps in excess of 1 inch width shall be filled with approved material. In below-grade construction, gaps in excess of ¼ inch shall be filled with approved material.

Clean all smooth, non-porous substrates that will accept product with clean Sure-Seal HP Splice Wipe wet with Sure-Seal Weathered Membrane Cleaner. Allow cleaner to dry, and apply Sure-Seal Primer to all surfaces accepting Elastoform flashing.

Roller-apply the primer to the surface with a short nap length paint roller. The coated area shall be free of globs and puddles. Allow primer to dry until it does not transfer to a dry finger touch. Install Elastoform immediately to minimize potential dust contamination and to promote adhesion in colder weather.

Position Elastoform over the area to be covered. Tuck firmly into corners and angle changes using a plastic putty knife, hammer handle or similar tool. Stretch into place by hand and use a seam roller or similar tool to press in place, especially at corners, laps and terminations. Sequence installation to provide shingle laps. Neighboring pieces shall have minimum 2 inch overlap in above-grade applications or minimum 6 inch overlap in

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below-grade applications. Prepare non-adhesive side of Elastoform with Sure-Seal Primer at laps. Apply Sure-Seal Lap Sealant in water channel of laps and T joints. Apply Sure-Seal Lap Sealant over field-cut edges, surface defects and around penetrations. Installation technique varies by condition. Consult CCW shop drawings for more information.

Acceptable Substrates

Elastomeric Sheet Membranes:

Sure-Seal EPDM, Sure-Seal Butyl, Sure-Weld TPO

Liquid Membranes (cured):

Barritech VP™, Barritech NP, CCW-500, CCW-525 H/V Barriseal®-S, Barriseal-R, Barricoat®-S, Barricoat-R, MiraSEAL™, CCW Polyurethane Deck Coatings

Self-Adhering Sheet Membranes (film side and selvages):

CCW-705, CCW-705 LT, CCW-705 TWF, CCW-705 TWF LT, CCW-705 HT, AlumaGRIP 701, Carlisle 725 TR, Barritape™, MiraDRI®-860, MiraDRI-861, MiraPLY™ V, MiraPLY H

Sealants/Mastics (cured):

CCW-201, LM 800 XL, CCW-703 H & V, CCW LiquiDECK™

Sealants (un-cured):

Sure-Seal Lap Sealant installed in water channel of laps and T joints.

Building Materials:

Structural steel, aluminum, copper, stainless, galvanized steel, painted metal, concrete, brick, concrete masonry unit, plywood, timber, oriented strand board, glass-faced gypsum sheathing

Limitations

Installation when ambient or substrate temperatures are below 40°F requires special procedure. Heat the primed substrate with a hot air gun as the Elastoform is applied and pressed in place.

Due to solvent flash-off, condensation may form on applied Primer when the ambient temperature is near the dew point. If condensation develops, the application of Primer and PS Elastoform Flashing must be discontinued since proper adhesion will not be achieved. Allow the surface to dry and apply Primer to the previously coated surface and apply PS Elastoform Flashing when conditions allow.

Do not install over un-cured sealant except Sure-Seal Lap Sealant.

Do not install over any sealant, coating or membrane (cured or un-cured) unless it has been deemed compatible by CCW.

Do not install Sure-Seal Primers over plastic foam insulation.

Packaging

Sure-Seal Pressure-Sensitive Elastoform Flashing

P/N 310433 6" X 50' roll, 2 per box

P/N 303162 9" x 50' roll, 1 per box

P/N 305723 12" X 50' roll, 1 per box

Other CCW Products:

Sure-Seal P/S Inside/Outside Corners

P/N 300199 7" X 9" die-cut pieces of Elastoform with rounded corners, 20 count per box

Sure Seal Primers:

Sure-Seal HP-250 Primer

P/N 302071 2½ gal Pail

Sure-Seal Low-VOC EPDM Primer

Solvent-based contact adhesive packaged in 1-gal cans and 5-gal pails

Sure-Seal EP-95 Splicing Cement

P/N 302342 1-gal cans, 6 per carton

Sure-Seal Lap Sealant

P/N 30217410.3 fl-oz tubes, 25 per carton

Sure-Seal HP Splice Wipes

P/N 300583 13½ X 24" wipes, 150 count per box

Sure-Seal Weathered Membrane Cleaner

P/N 304066 2½ gal pail

P/N 302074 5-gal pail

Warnings and Hazards

ElastoFORM and Inside/Outside Corners:

Avoid prolonged contact with skin. In case of contact with skin, thoroughly wash affected area with soap and water.

Sure-Seal Primers, Lap Sealant and Weathered Membrane Cleaner:

This product is FLAMMABLE. Precautions must be taken to keep the primer away from heat, flame and sparks during storage and use.

Keep container closed when not in use. Use with adequate ventilation. Avoid breathing vapors. Avoid contact with eyes and skin.

Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately. During application, efforts must be made to prevent fumes from entering the building via air ventilation ducts. Do not place open containers or mix adhesive near fresh intake units. When possible, shut down or seal off the closest units.

If swallowed, DO NOT INDUCE VOMITING. Call a physician immediately.

Chemically-resistant gloves must be worn with HP-250 Primer to protect hands from staining and irritation ingredients. Hycron® gloves are designed for this purpose.

Storage

Shelf life is 9 months in original, unopened packaging, stored in a protected area below 80°F.

Material stored in excessive heat (>90°F) or aged beyond shelf life will begin to cure, compromising the product's malleable application characteristics.

Condition product to 60°F or higher before use. Product stored in the cold, not warmed up before use, will have compromised adhesive tack.

Typical Properties

| Property | Typical Value |
|---|--|
| Color | Black |
| Base | Membrane - EPDM Adhesive - Synthetic Rubber |
| Ozone Resistance Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C). Specimen under 50% strain. | No Cracks |
| Service Temperature | -49°F to 240°F (-45° to 115°C) |
| Nominal Thickness | 90 mil (2.2 mm) |
| Water Vapor Permeance (ASTM E96 B) | 0.06 Perm |

Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

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