

Sure-Seal® EPDM

Pressure-Sensitive SecurTAPE™



Overview

Carlisle's Sure-Seal Pressure-Sensitive (PS) 3"- or 6"-wide SecurTAPE offers uniform width and adhesive thickness and features a clear poly film for ease of application. SecurTAPE delivers 30% greater peel strength and 32% greater shear strength than other tapes on the market.

Designed for use with Carlisle's fully adhered, metal retrofit, ballasted, and mechanically fastened roofing systems, SecurTAPE is used in conjunction with Carlisle's HP-250 or Low-VOC Primers to bond EPDM membranes together in the field, providing long-term splice strength.

Features and Benefits

- » Available in 3" x 100' and 6" x 100' rolls
- » Manufactured using a clear poly film
- » Provides excellent long-term splice strength
- » Offers greater peel and shear strength than other tapes available in today's marketplace

Installation

1. Overlap the EPDM membranes a minimum 3" or 6" (75 or 150mm) to coincide with the SecurTAPE width. Stagger factory seams on dusted EPDM to avoid a double thickness of membrane.
2. The entire membrane surface where SecurTAPE will be applied must be clean and free of any residual mica dust or dirt. SecurTAPE will not adhere to dusted or dirty surfaces.
 - a. Remove loose mica dust by brooming or wiping with a clean, dry rag or HP Splice Wipe.
 - b. **The use of Weathered Membrane Cleaner is recommended** to allow for roller application of the primer and to enhance adhesion. This process is required on membrane that has been exposed for a number of weeks. Permeation-resistant gloves meeting ANSI/ISEA 105-2005 are required for hand protection when cleaners or primers are being used.
 - c. Allow the Weathered Membrane Cleaner to flash-off before applying primer.
3. Mark the bottom sheet with a crayon approximately ¼" (6 mm) beyond the edge of the top sheet as a guide to install the SecurTAPE.
4. Application of HP-250 or Low-VOC Primer
 - a. Dusted Membrane – After removing the loose mica as noted above, scrub the primer onto the membrane with a clean HP Splice Wipe in a circular motion achieving a thin and even coat that is uniform in color and free of streaks or heavy spots. **Change Splice Wipes often.**
 - b. Pre-Kleened™ Membrane or membrane cleaned with Weathered Membrane Cleaner - Roller-apply the primer to the membrane with a ¾" (9mm) medium nap paint roller achieving a thin and even coat that is uniform in color and free of streaks or heavy spots.
 - c. Allow the primer to flash-off until it does not transfer to a dry finger touch. Do not allow the primer to over dry.
 - d. **Install SecurTAPE shortly after the primer flashes off** to maximize bond strength and minimize potential dust contamination.
5. Unroll 3' (1 m) of SecurTAPE aligning the tape with the set marks. Use firm and even hand pressure to press the tape down to bottom sheet along the length of the splice. Overlap tape roll ends 1" (25 mm). A continuous piece of SecurTAPE must be used at all factory seams and field splice intersections.

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6. Rolling the SecurTAPE with a 2"-wide hand roller after application to the primed substrate will reduce the frequency of air blisters in the completed field seam.
7. Allow the top sheet to fall freely onto the poly backing. Ensure that a minimum of 1/8" (3 mm) to a maximum of 1/2" (12 mm) of tape extends beyond the top membrane edge. Trim membrane if necessary.
8. Pull the poly backing off at a 45 degree angle and use firm hand pressure across the splice towards the outside splice edge mating the top sheet onto the SecurTAPE.
9. Immediately roll across the splice with a 2"-wide roller applying positive pressure.
10. Lap Seal at cut edges of reinforced membrane and splice tape overlaps. Lap Sealant may be applied immediately following the completion of a SecurTAPE splice.
11. Cold weather installation requirements when temperatures fall below 40°F (5°C):
 - a. Heat the primed area of the bottom membrane as the SecurTAPE is applied and pressed into place.
 - b. The tape must be rolled with a 2"-wide hand roller prior to removal of the release liner when temperatures fall below 20°F (-7°C).
 - c. Prior to rolling the splice area with a 2"-wide hand roller, apply heat to the topside of the membrane with a hot-air gun. The heated surface should be hot to the touch.
12. Techniques when using large sheets with factory seam step-offs.
 - a. Remove excess mica dust from the factory seam step-off using extra care and utilize extra scrubbing of the primer into the step-off.
 - b. Crease the SecurTAPE into the factory seam step-off with the edge of the hand roller and then crease the top membrane into the step-off after setting the top membrane.

Review Carlisle specifications and details for complete installation information.

Precautions

- » Avoid prolonged contact with skin. In case of contact with skin, thoroughly wash affected area with soap and water.
- » Prolonged jobsite storage temperatures in excess of 90°F (32°C) will diminish the product's shelf life.
- » In warm, sunny weather, keep SecurTAPE rolls in their box, in a shaded area, until ready to use.
- » Storage and use of SecurTAPE at temperatures below 40°F (4°C) will result in a loss of tape tack and, in extreme cases, will result in no bond to the substrate. Overnight storage must be available to keep the temperature of the SecurTAPE at a minimum of 60°F (15°C). Hot boxes for jobsite storage must be provided to maintain a minimum tape temperature of 40°F (4°C).
- » SecurTAPE must be stored in a dry area.
- » Due to solvent flash-off, condensation may form on freshly applied primer when the ambient temperature is near the dew point. If condensation develops, the application of primer and SecurTAPE must be discontinued, as proper adhesion will not be achieved. Allow the surface to dry and apply a thin freshener coat of primer to the previously coated surface and apply SecurTAPE when conditions allow.
- » KEEP OUT OF THE REACH OF CHILDREN.

Typical Properties and Characteristics

	3" SecurTAPE (75 mm)	6" SecurTAPE (150 mm)
Color	Black	Black
Base	Synthetic Rubber	Synthetic Rubber
Roll Size	100' (30 m) long	100' (30 m) long
Thickness	.030" (.75 mm)	.030" (.75 mm)
Packaging	4 Rolls/Carton	2 Rolls/Carton
Net Wt. per Carton	26 lbs (12 Kg)	26 lbs (12 Kg)
Shelf Life	1 Year	1 Year

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED® Information

Pre-consumer Recycled Content	4%
Post-consumer Recycled Content	0%
Manufacturing Location	Greenville, IL
Solar Reflectance Index (SRI)	N/A