

# Sure-Seal® EPDM

## Polyepichlorohydrin



### Overview

Carlisle's Sure-Seal EPDM Polyepichlorohydrin (ECO/CO) is a non-reinforced 60-mil-thick (1.5 mm) polymer-based elastomeric roof overlayment that provides increased resistance to minor or incidental spills from hydrocarbons, aromatic solvents, grease and oils. This product is available in 10' x 50' (3m x 15m) rolls.

### Features and Benefits

- » Provides increased resistance to hydrocarbons, aromatic solvents, grease and oils
- » Compatible with all Carlisle EPDM membranes

### Installation

Note: Roof Slope shall be a minimum of ¼":12".

#### Adhered/Mechanically Fastened EPDM Roofing Systems

1. ECO/CO can be adhered to an underlying adhered or mechanically fastened EPDM roofing system using Carlisle's 90-8-30A or Low-VOC Bonding Adhesive. Do not apply bonding adhesive within 6" of the ECO/CO membrane edge or underlying membrane.
2. Splice the ECO/CO to the underlying membrane by first cleaning the splice area with Weathered Membrane Cleaner.
3. Apply HP-250 or Low-VOC Primer to the ECO/CO and underlying membranes. After the primer has properly flashed off, install SecurTAPE™ and create a seam between the two membranes following Carlisle's U-2A detail.
4. Using a 2"-wide roller, roll the area where the SecurTAPE was applied.

#### Ballasted EPDM Roofing Systems

1. After the EPDM membrane has been installed, overlay with ECO/CO membrane. The ECO/CO membrane can be loose-laid. Adhesive is not required for this installation.
2. Splice the ECO/CO to the underlying membrane by first cleaning the splice area with Weathered Membrane Cleaner.
3. Apply HP-250 or Low-VOC Primer to the ECO/CO and underlying membranes. After the primer has properly flashed off, install SecurTAPE and create a seam between the two membranes following Carlisle's U-2A detail.
4. Using a 2"-wide roller, roll the area where the SecurTAPE was applied.
5. Install the ballast in accordance with the job specification or Carlisle's specifications.

*Review Carlisle specifications and details for complete installation information.*

### Precautions

- » Use proper stacking procedures to ensure sufficient stability of the materials.
- » Exercise caution when walking on wet membrane. Membranes are slippery when wet.

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### Typical Properties and Characteristics

Physical Property	Test Method	SPEC. (PASS)	Typical
<b>Tolerance on Nominal Thickness, %</b>	ASTM D412	±10	±10
<b>Tensile Strength, min, psi (MPa)</b>	ASTM D412	1305 (9.0)	1550 (10.7)
<b>Elongation, Ultimate, min, %</b>	ASTM D412	200	250
<b>Tear Resistance, min, lbf/in (kN/m)</b>	ASTM D624 (Die C)	150 (26.3)	225 (39.4)
<b>Resistance to Heat Aging*</b> Properties after 168 hours @ 240°F (116°C) Tensile Strength, min, psi (MPa) Elongation, Ultimate, min, %	ASTM D412 ASTM D412	1305 (9.0) 150	1500 (10.3) 182
<b>Ozone Resistance*</b> Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen is at 50% strain	ASTM D1149	No Cracks	No Cracks
<b>Brittleness Temp., max, deg. F (deg. C)*</b>	ASTM D746	-20 (-29)	-20 (-29)
<b>Water Vapor Permeance*</b> max, perms (60-mil thickness)	ASTM E96 (Proc. B or BW)	No ASTM Spec.	0.60
<b>Resistance to Oil Aging*</b> Change in mass, max, % after 7 days immersion in diesel fuel #2 at 158°F (70°C)	ASTM D471	+15	+15

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.

\*Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all tests are run on a statistical basis to ensure overall long-term performance of the sheeting.

### LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Carlisle, PA