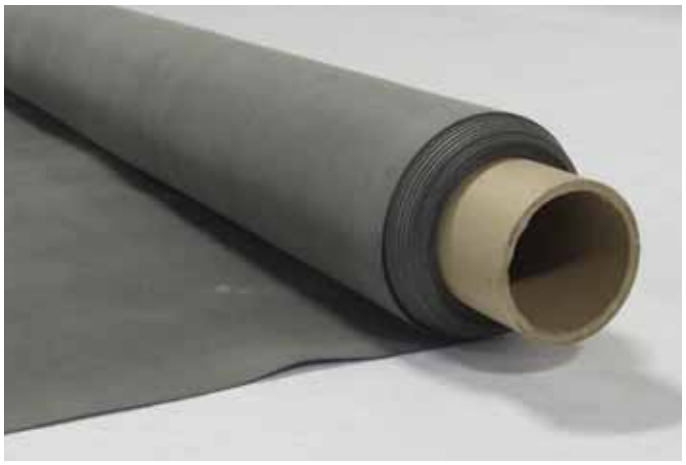
CARLISLE SYNTEC SYSTEMS

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
Tolerance on Nominal Thickness, %	ASTM D412	±10	±10
Tensile Strength, min, psi (MPa)	ASTM D412	1305 (9.0)	1550 (10.7)
Elongation, Ultimate, min, %	ASTM D412	200	250
Tear Resistance, min, lbf/in (kN/m)	ASTM D624 (Die C)	150 (26.3)	225 (39.4)
Resistance to Heat Aging* 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
Ozone Resistance* 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
Brittleness Temp., max, deg. F (deg. C)*	ASTM D746	-20 (-29)	-20 (-29)
Water Vapor Permeance* max, perms (60-mil thickness)	ASTM E96 (Proc. B or BW)	No ASTM Spec.	0.60
Resistance to Oil Aging* 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

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