

Seam2Seam™ EPDM SA Membrane

Item Description

.060" x 9' 10.5" x 101' 3.6" (1.5 mm x 3 m x 30.9 m)
 .060" x 9' 10.5" x 50' 7.6" (1.5 mm x 3 m x 15.4 m)

Item Number

W59L61010SS
 W59L61005SS

Weight: 0.43 lbs/ft² (2.1 kg/m²)



Product Information

Description

GenFlex Seam2Seam EPDM SA Membrane with Secure Bond™ Technology is the next generation of self-adhered roof system application. Secure Bond Adhesive is factory applied which ensures uniform adhesion across the entire membrane, even through the seam, creating a powerful bond with the substrate and overlapping seam area. This advanced technology not only improves installation speed over traditional fully adhered applications, but also widens the installation window with the ability to be installed from 20 °F (-7 °C) to 120 °F (49 °C). With no VOCs emitted during field membrane application, Seam2Seam EPDM SA Membrane with Secure Bond Technology is a reliable solution for all your fully adhered roofing needs.

Method of Application

Approved substrates to receive GenFlex Seam2Seam EPDM SA Membrane must be clean, dry and free of foreign material such as grease and any debris which could inhibit adhesion. This may require cleaning with a broom or blower. An acceptable GenFlex Primer is required for to prepare surfaces for seaming, detailing, sealant application and vertical flashings, but no bonding adhesives or primers are required for field membrane attachment.

1. Prepare substrate and secure insulation per current GenFlex technical specifications.
2. Install Seam2Seam EPDM membrane only when membrane, substrate and ambient temperatures exceed 20 °F (-7 °C) and rising. Do not install Seam2Seam EPDM membrane below this minimum temperature.
3. Unroll and position the membrane over the substrate to achieve the specified alignment and seam overlaps. Allow the membrane to relax a minimum of 30 minutes before final positioning and adhering.
4. Position adjoining sheets in shingle fashion or so that seams run parallel to the flow of water, and that all side and end laps provide a minimum 3" (76.2 mm) overlap.
5. Apply an acceptable GenFlex Primer (GenPrime, GenPrime LVOC, GenFlex Clear Primer or GenFlex Clear Primer LVOC Primer) to all EPDM lap surface areas to receive Seam2Seam EPDM.
6. All membrane and flashing splices require the application of seam edge treatment using Seam2Seam Sealant.
7. Apply an acceptable GenFlex Primer (as noted above) on all vertical substrates to receive GenFlex Seam2Seam EPDM SA Membrane.
8. Refer to the Seam2Seam EPDM SA Membrane Application Guide and associated Product Data Sheets for additional installation information.

*LEED® Information

Post-Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 3-5%
 Manufacturing Location: Tuscumbia, AL
 *NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



Shelf Life

18 Months when stored between 60 °F (16 °C) and 80 °F (27 °C) out of direct sunlight.

Storage

- Warehouse membrane in a clean dry location.
- Seam2Seam EPDM membrane stored on jobsite must be kept dry.
- Seam2Seam EPDM membrane must be a minimum of 20 °F (-7 °C) prior to installation.
- Store away from sources of punctures and physical damage.
- Make certain the structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources.

Precautionary Data

- Take care when moving, transporting and handling to avoid sources of punctures and physical damage.
- Removal of the polymeric release liner from the adhesive backing may create a static electric charge; care should be used when removing and handling the release liner.
- Refer to Safety Data Sheets (SDS) for additional safety information.

Acceptable Substrates

Substrate	Primer Required	Special Application Considerations
GenFlex Iso / GL Iso	No	None
GenFlex HD Iso	No	Broom only, do not roll in place with weighted roller
GenFlex Coated Glass Facer Iso / CG Iso	No	Broom only, do not roll in place with weighted roller
Structural Concrete	No	Must be clean, dry and properly cured prior to application
Lightweight Concrete	No	Use on clean, dry and properly cured cellular lightweight concrete only, not acceptable with lightweight aggregate concrete
DensDeck®* / DensDeck Prime	No	None
Securock®**	No	None
Plywood or OSB	No	Check local code for acceptance of direct application
CMU / Masonry	No	Must be clean & dry prior to application.
Vertical Substrates	Yes	Apply an acceptable GenFlex primer to all vertical substrates.

*DensDeck is a trademark of the G-P Gypsum Corporation

**Securock is a registered trademark of the USG Corporation

Typical Properties – SecureBond Pressure Sensitive Adhesive

Property	Test Method	Units	Performance Min.	Typical Values
Color	---	---	---	Clear
Nominal Thickness	ASTM E 408-71	in (mm)	N/A	0.007 (0.178)
Weight	---	lb/ft ² (kg/m ²)	---	0.040 (0.002)

Typical Properties - Seam2Seam Membrane

(Meets or exceeds ASTM D 4637, Type I non-reinforced EPDM Single-Ply roofing membranes)

Property	ASTM Standard	Performance Minimum	Typical Values – 60 mil
Thickness, minimum	D 412	0.060" +.009"/-.006" (1.524 +.229/- .152 mm)	0.060" +.009"/-.006" (1.524 +.229/- .152 mm)
Tensile Strength, min.	D 412 (Die C)	1305 psi (9.0 MPa)	1450 (10.0)
Dynamic Puncture Resistance	D 5635 / D 5635M	pass	pass
Static Puncture Resistance	D 5602 / D 5602M	pass	pass
Elongation, Ultimate, min.	D 412 (Die C)	300%	475
Tensile set, max.	D 412, Method A (Die C)	10%	2.0
Tear Resistance, min.	D 624 (Die C)	150 lbf/in (26.27 kN/m)	195 (34.1)
Brittleness point, max.	D 2137	-49 °F (-45 °C)	-49 (-45)
Ozone resistance, no cracks	D 1149	pass	pass
Heat Aging: Tensile Strength, min. Elongation, ultimate, min. Tear resistance, min. Linear dimensional change, max.	D 573 D 412 (Die C) D 412 D 624 D 1204	1205 (8.3) 200% 125 lbf/in (21.9 kN/m) ±1.0%	1490 (10.3) 320 179 (31.3) -0.3
Water absorption, max., mass	D 471	+8%, -2%	+1.5
Factory Seam Strength, min.	D 816 Method B (modified)	50 lbf/in (8.8 kN/m) or Sheet Failure	Sheet Failure
Weather Resistance: Visual inspection PRFSE, min. Elongation, ultimate, min.	G 151 / D 518 G 151 / D 518 G 155 / D 412 (Die C)	No cracks or crazing 30 200	Pass 53 255
Air Permeance (Material)	E 2178*	<0.004 cfm/ft ² @ 1.57 lb/ft ² (0.02 L/(s • m ²) @ 75 Pa)	Pass

- *The ASTM E2178 value listed above is for the air permeance of the EPDM Membrane component only.
- When system design includes an air barrier, please consult your GenFlex Technical Services Advisor for additional roof system securement enhancements.
- Consult the Designer / Architect, Code Agency or Authority having Jurisdiction (AHJ) for requirements regarding the selection and use of an appropriate air barrier material, and its installation into the building envelope.

Please contact Genflex Technical Services at 1-800-443-4272 option 1, for further information.

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