

EPDM

Single-Ply Roofing Systems

GENFLEX
Roofing Systems

Above all.



WHEN IT COMES TO ROOFING WE'RE ON A ROLL

And that gives you a competitive edge. Just take a look at our high-performance EPDM. The GenFlex EPDM single-ply membrane is tough because it stands up to tears, impacts, punctures and normal roof traffic. It's durable, offering excellent resistance to ozone and ultraviolet light exposure. And it's reliable, maintaining elasticity and flexibility that lasts.

In tech-speak, GenFlex EPDM meets all the requirements of the standard specification for EPDM, ASTM Standard D4637, making it a solid and versatile choice for your roofing applications. So let's roll.



ROOFING CHALLENGES ARE NEVER OVER OUR HEADS.

At GenFlex, we live to tackle – and solve – the toughest challenges in roofing. The result is a full line of proven, durable roofing systems and components that provide you with quality, ease of installation and complete warranty coverage. It's that simple. Listening and responding to the needs of our customers has kept GenFlex at the forefront of new roofing products and technologies for over 30 years. And we're just getting started.

EPDM MEMBRANES

GenFlex provides a full line of peel & stick flashing, accessories, and LVOC primers and adhesives. Benefits include:

- ▶ Nearly 30 years of installed system performance
- ▶ Superior weathering and ozone resistance
- ▶ System choices to fit specific projects
- ▶ Options to meet a variety of budgets

FLEXWHITE™ EPDM

Utilizing white-on-black EPDM Membrane, FlexWhite EPDM combines the benefits of a highly reflective white-surfaced membrane with the time proven application techniques of a flexible EPDM roofing system.

- ▶ **Installation methods:** Fully adhered
- ▶ **Thickness:** 60 mil (1.52 mm) and 90 mil (2.28 mm)
- ▶ **Standard widths:** 10' – 25' (3.0 m – 7.6 m)
- ▶ **Standard lengths:** 50' (15.24 m) and 100' (30.48 m)

GENFLEX AFR EPDM

- ▶ **Installation methods:** Fully adhered, mechanically attached and ballasted
- ▶ **Thickness:** 45 mil (1.14 mm), 60 mil (1.52 mm) and 90 mil (2.28 mm)
- ▶ **Standard widths:** 10' – 20' (3 m – 6.1 m)
- ▶ **Standard lengths:** 50' (15.2 m) and 100' (30.5 m)

GENFLEX FRM EPDM

- ▶ **Installation methods:** Fully adhered, mechanically attached and ballasted
- ▶ **Thickness:** 45 mil (1.14 mm) and 60 mil (1.52 mm)
- ▶ **Standard widths:** 10' (3 m)
- ▶ **Standard lengths:** 50' (15.2 m) and 100' (30.5 m)

EPDM ACCESSORIES

SYSTEM ACCESSORIES

Peel & Stick™ Seam Tape

- Two-sided, cured butyl seam tape (Black)
- One-step clean-and-prime application with scrub pad and handle
- Excellent adhesion designed for seaming EPDM membrane panels
- 3" (76.2 mm) and 7" (177.8 mm) widths in 100' length (30.5 m)

Peel & Stick™ Pipe Boots

- Injection-molded EPDM boot with pre-applied butyl tape
- Fits various round penetrations from 1"– 6" (25.4 mm – 152.4 mm) openings
- Engineered design eliminates the need for field-fabricated pipe flashings

Peel & Stick™ Cover Tape

- 6" (152.4 mm) wide semi-cured EPDM/butyl tape laminate
- Perforated release liner creates a centering line
- Used to strip in metal battens and edge metal

Peel & Stick™ Corner Flashing

- 8 1/2" (215.9 mm) diameter uncured EPDM laminated to a butyl-based tape
- Uncured EPDM is designed to flash inside and outside corners
- Perforated release liner designed to help two-step application

Peel & Stick™ T-Joint Covers

- 8" x 10" (203 mm x 254 mm) uncured EPDM laminated to a butyl-based tape
- Increased tape thickness in the center of the cover
- Designed to cover T-joints or multiple layers where cured membrane intersects

Peel & Stick™ Walkway Pad

- High-quality rubber pads with factory-laminated seam tape
- Thick rubber pad is designed to protect the membrane from damage
- 30" x 30" (762 mm x 762 mm) size is convenient for handling and installation

GenPrime

- High-solids primer with excellent tack-back qualities
- For use with all Peel & Stick EPDM flashing products
- Installation with GenFlex scrub pads and handles

LVOC Options

- Full line of LVOC and OTC compliant adhesives and primers
- Available in contractor-friendly pails

Scrub Pad and Handle

- Abrasive pads and molded plastic handles
- One-step clean-and-prime application
- Designed to apply primer to EPDM membranes

FLEXWHITE™ EPDM ADHESIVES AND PEEL & STICK ACCESSORIES

We have carefully developed a complete line of FlexWhite tapes and accessories utilizing our time-tested Peel & Stick technology to ensure the same consistent and efficient installation and reliable performance as all of our other proven EPDM products.

FASTENERS AND ACCESSORIES

No roofing system is complete without fasteners and accessories. That's why GenFlex offers a complete line of fasteners and accessories for the EPDM systems to make sure your roofing system isn't missing a thing.

For information on these products and more, visit www.GenFlex.com.



PEEL & STICK FEATURES AND BENEFITS

Strength

- ▼ High-performance butyl-based tape
- ▼ Proven performance for over 20 years
- ▼ Strong, water-resistant seams
- ▼ Excellent tolerance of temperature extremes
- ▼ High resistance to UV and ozone exposure

Speed

- ▼ No waiting for adhesives to dry
- ▼ Primer applied in a one-step installation process with GenFlex scrub pads and handles

Simplicity

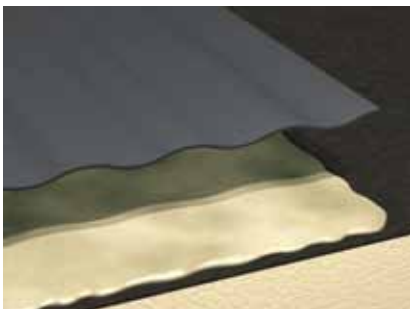
- ▼ Less edge caulking
- ▼ No liquid adhesives
- ▼ Little cleanup
- ▼ Limited equipment needs
- ▼ Fewer VOCs than liquid seam adhesives

Savings

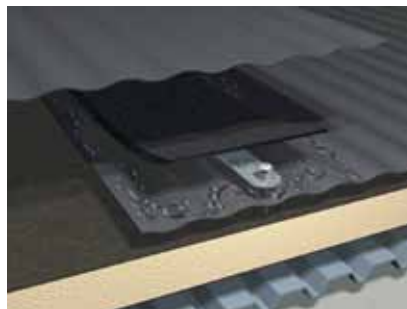
- ▼ Minimal material waste
- ▼ Less labor and fewer products

OPTIONS FOR INSTALLATION

Suitable for new construction or reroofing jobs, GenFlex EPDM membranes can be installed fully adhered, mechanically attached or ballasted.



Fully Adhered Fully Adhered systems are ideal for roofs with unusual or odd-shaped contours, or where mechanical penetration of the membrane is not desirable, while providing exceptional wind performance and longevity. Once positioned over the substrate, the back of the membrane and the substrate are coated with GenFlex bonding adhesive, allowed to dry, carefully rolled back into position and broomed into place.



Battened-Seam system provides exceptional strength and integrity on applications where 7.5' (2.3 m) or 10' (3 m) wide GenFlex EPDM or FRM membrane is used. (Shown Above)

Batten Cover Tape systems use large sheets of GenFlex EPDM membrane – up to 50' x 100' (15.2 m x 30.5 m) – for large, open roof areas and appropriate decks. (Not shown)



Ballasted Ballasted systems are perfect for installations where speed and economy are prime considerations, and the substrate is capable of supporting the system's dead load. Slope must not exceed 2" (50.8 mm). Insulation and membrane are loose-laid with the membrane fastened only at the perimeter. Recommended ballast is smooth, water-worn rocks.

GENFLEX EPDM TEST DATA

ASTM D4637-04	Type 1 – Nonreinforced EPDM			Type 2 – Scrim-Reinforced EPDM		
Property	ASTM Test Method	ASTM Minimum	Typical AFR Values	ASTM Test Method	ASTM Minimum	Typical FRM Values
Weight: lbf/ft ² (kg/m ²) 45 mil (1.14 mm) 60 mil (1.52 mm)	D751	– –	.031 (1.5) .043 (2.1)	D751	– –	0.31 (1.5) 0.43 (2.1)
Nominal Thickness: inches (mm)	D412	.040 (1.016) .054 (1.37)	.045 (1.14) .060 (1.52)	D751	.040 (1.016) .054 (1.37)	.045 (1.14) .060 (1.52)
Thickness Over Scrim: inches (mm)				Optical	15 (0.381)	15 (0.381)
Breaking Strength: lbf (N)				D751	90 (400)	240 (1068)
Tensile Strength: (psi) MPa	D412 (Die C)	1305 (9.0)	1425 (9.8)		–	–
Dynamic Puncture Resistance	D5635	Pass	Pass	D5635	Pass	Pass
Static Puncture Resistance	D5602	Pass	Pass	D5602	Pass	Pass
Elongation: ultimate %	D412 (Die C)	300	450	D412 (Die C)	250	475
Elongation @ Fabric Break: ultimate % Machine Direction Cross Direction		– –	– –	D151 (Grab Method)	15 15	15 15
Tensile Set: max %	D412 (Die C)	10	10		–	–
Tear Resistance: lbf/in (kN/m)	D624 (Die C)	150 (26.27)	200 (35)		–	–
Tearing Strength: lbf (N)		–	–	D751	10 (45)	60 (267)
Brittleness Point: max °F (°C)	D2137	-49 (-45)	-63 (-53)	D2137	-49 (-45)	-65 (-54)
Ozone Resistance: No Cracks	D1149	Pass	Pass	D1149	Pass	Pass
Heat Aging: 240°F (116°C) 28 days Breaking Strength: lbf (N) Tensile Strength: psi (MPa) Elongation: ultimate % Tear Resistance: lbf/in (kN/m) Linear Dimensional Change: max %	D573 D412 D412 D624 D1204	– 1205 (8.3) 200 125 (21.9) ±1.0	– 1415 (9.7) 290 181 (31.5) -0.7	D573 D751 D412 D1204	80 (356) – 200* ±1.0	275 (1223) – 300* -0.7
Water Absorption: max mass % 158°F (70°C) 7 days	D471	+8 (-2)	+1.8	D471	+8 (-2)*	+1.8*
Factory Seam Strength: lbf/in (kN/m)	D816	50 (8.8) sheet failure	50 (8.8) sheet failure	D816	50 (8.8) sheet failure	50 (8.8) sheet failure
Weather Resistance: Visual Inspection	D518	Pass	Pass	D518	Pass	Pass

*Specimen to be prepared from coating rubber compound, vulcanized in a similar method to the reinforced products.



Above all.

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**WE'RE PART
OF THE ROOF,
NOT THE PROBLEM.**

At GenFlex, we understand the challenges you face. You've got to stay on top of the latest products and installation methods to stay ahead of the competition. That's why GenFlex offers comprehensive classroom and hands-on training programs. We can bring it to you anywhere, anytime. Our team has the knowledge and expertise to demonstrate the most efficient, quality roofing installation methods to keep you out in front.

We also offer an extensive library of videos on our website. Visit us online for the latest information on our products, system specifications, technical information, detail drawings, SDS and product data sheets, plus details on GenFlex training programs. You can also order GenFlex samples and literature. Learn more at www.GenFlex.com

Warranties and Code Requirements

A full array of warranties, including full system coverage of membrane, insulation and accessories, is available. Warranted installations are inspected by Technical Representatives, ensuring that the roofing system meets all warranty requirements. GenFlex has systems that have achieved Underwriters Laboratories™ (UL) classifications and Factory Mutual (FM) approvals. GenFlex systems are also listed by International Code Council™ (ICC) and Miami Dade County. Refer to the appropriate agency publication for other listings, or contact the GenFlex Roofing Systems technical department.