

Total Support

We're here for you. GenFlex offers the most comprehensive classroom and hands-on training programs in the industry to help ensure efficient, quality roofing installations. We can provide training anywhere, any time. Our team is equipped with knowledge and expertise to train you effectively. In addition, an extensive library of videos is available on our website.

The GenFlex Winner's Circle™ program is the only initiative of its kind in the industry, rewarding both contractors and distributors for their loyalty to quality GenFlex systems. In addition, our Q3 Contractor programs enable us to identify approved contractors committed to ongoing training, plus excellence in workmanship and service.

Learn more at www.GenFlex.com

Visit us online for the latest information on our products, system specifications, technical information, detail drawings, MSDS and product data sheets, plus details on GenFlex training programs. You can also order GenFlex samples and literature.

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 GenFlex 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.



GenFlex® EPDM

Single-Ply Roofing Systems



*Single-Ply Solutions for
Over a Quarter Century™*

CB02

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PROVEN QUALITY



It's common sense on a roll, and we provide miles of it.

At GenFlex, we're doing our part to deliver value. Our proven, durable roofing systems and components are designed to provide you with a high-quality product, easier installations and complete warranty coverage. It's that simple. We've been leading the way with a full line of high-quality, single-ply roofing products for the commercial roofing market for nearly 30 years. Our commitment to meeting your needs has kept GenFlex at the forefront of new roofing products and technologies.

GenFlex EPDM is a high-performance single-ply membrane, resistant to tears, impacts, punctures and normal roof traffic. Plus, GenFlex EPDM provides excellent resistance to ozone and ultraviolet light exposure.

Designed for high performance in the long run, you can count on GenFlex EPDM to remain elastic and flexible. GenFlex EPDM membrane meets all the requirements of the EPDM ASTM Standard D4637-04.

GenFlex EPDM

For commercial roofing applications. Non-reinforced EPDM conforms well over a variety of substrates in low or steep-slope applications.

- ▶ **Installation methods:** Fully adhered, mechanically attached and ballasted
- ▶ **Thickness:** 45 mil (1.14 mm) and 60 mil (1.52 mm)
- ▶ **Standard widths:** 7.5' – 50' (2.3 m – 15.2 m)
- ▶ **Standard lengths:** 50' – 200' (15.2 m – 61 m)

GenFlex AFR EPDM

Designed for use on low-slope applications requiring fire ratings, this fire-retardant membrane can be installed over a variety of substrates in low-slope applications.

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

GenFlex FRM EPDM

Designed for situations that demand superior tensile strength and performance. Reinforced with a high-strength, 9 x 9, 1,000 denier polyester scrim that increases resistance to puncture or fatigue.

- ▶ **Installation methods:** Mechanically attached; suitable for plate-in-seam or fully adhered
- ▶ **Thickness:** 45 mil (1.14 mm) and 60 mil (1.52 mm)
- ▶ **Standard sizes:** 7.5' width x 100' length (2.3 m x 30.5 m) and 10' width x 100' length (3 m x 30.5 m)

Features and Benefits

Proven Performance

- ▶ Nearly 30 years of installed system performance
- ▶ Superior weathering and ozone resistance

Large Sheets

- ▶ Fewer field seams
- ▶ Faster installation, less labor
- ▶ Fewer rolls to handle

Project Flexibility

- ▶ System choices to fit specific projects
- ▶ Options to meet a variety of budgets
- ▶ More flexibility in bidding

Installation Options

- ▶ Fully adhered
- ▶ Mechanically attached
- ▶ Ballasted

Ease of Installation

- ▶ Peel & Stick™ flashings
- ▶ Tack-back primer
- ▶ Low-talc membranes



OPTIONS FOR YOUR APPLICATION

EPDM ACCESSORIES

System Accessories

Peel & Stick accessories simplify applications and make them quicker. Thousands of jobs have been seamed, sealed and detailed with GenFlex Peel & Stick 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

Scrub Pad and Handle

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

Fasteners and Accessories

No roofing system is complete without fasteners. That's why Genflex offers a complete line of fasteners and installation accessories to make sure your roofing system isn't missing a thing. For specific applications, see the specifications or product data sheets at www.GenFlex.com.



Peel & Stick™ Features and Benefits

Strength

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

Speed

- ▼ Fewer products and fewer application steps
- ▼ No waiting for adhesives to dry
- ▼ Primer applied in a one-step process with GenFlex scrub pads and handles

Simplicity

- ▼ Less edge caulking
- ▼ No adhesives
- ▼ Fewer materials to handle
- ▼ Little cleanup or disposal
- ▼ Limited equipment needs
- ▼ Fewer VOCs than adhesives

Savings

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

OPTIONS FOR INSTALLATION

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



Fully adhered systems are ideal for roofs with unusual or odd-shaped contours, where mechanical penetration of the membrane is not desirable, yet exceptional wind performance is needed. 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.

Bar-In-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)

Bar 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 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.

Reflective Coatings

When reflectivity is important in your application, use GenFlex Ace Coating, a highly reflective, elastomeric, high-performance coating for existing and new GenFlex EPDM membranes.

Ace Coating is available in White, Grey or Tan. These colors reflect sunlight, helping to reduce thermal loading. GenFlex White Ace Coating is Energy Star® approved. Low in VOCs, Ace Coating meets ASTM D6083 specifications for Liquid Applied Coatings used in roofing.

GENFLEX EPDM TEST DATA

ASTM D4637-04	Type 1 - Nonreinforced EPDM			Type 2 - Scrim-Reinforced EPDM		
Property	ASTM Test Method	ASTM Minimum	Typical Values	ASTM Test Method	ASTM Minimum	Typical Values
Weight: lbf/ft² (kg/m²)	D751	—	—	D751	—	.31 (1.5)
45 mil (1.14 mm)		—	—		—	.43 (2.1)
60 mil (1.52 mm)						
Nominal Thickness: inches (mm)	D412	.040 (1.016)	.045 (1.14)	D751	.040 (1.016)	.045 (1.14)
		.054 (1.37)	.060 (1.52)		.054 (1.37)	.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 %				D151 (Grab Method)	15	15
Machine direction		—	—		15	15
Cross direction		—	—			
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	D573			D573		
Breaking Strength: lbf (N)		—	—	D751	80 (356)	275 (1223)
Tensile Strength: psi (MPa)	D412	1205 (8.3)	1415 (9.7)		—	—
Elongation: ultimate %	D412	200	290	D412	200*	300*
Tear Resistance: lbf/in (kN/m)	D624	125 (21.9)	181 (31.5)	D1204	±1.0	-0.7
Linear Dimensional Change: max %	D1204	±1.0	-0.7			
Water Absorption: max mass %:	D471	+8 (-2)	+1.8	D471	+8 (-2)*	+1.8*
158°F (70°C) 7 days						
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:	D518			D518		
Visual Inspection		Pass	Pass		Pass	Pass

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