

# TPO

## Single-Ply Roofing Systems

**GENFLEX**  
Roofing Systems

*Above all.*



# REFLECTING THE BAD TO MAKE YOU LOOK GOOD

It can get ugly out there. That's why you need a durable TPO roofing system that can keep its cool under extreme conditions, and keep you looking good in the process. GenFlex TPO single-ply roofing systems fit the bill. Our TPO systems, including the revolutionary GenFlex Peel & Stick™ TPO, offer the durability it takes to withstand the most punishing elements. Plus, they provide outstanding heat-reflectivity and energy efficiency for high performance that's strikingly affordable.



## 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.

# GENFLEX TPO MEMBRANES

## GENFLEX TPO

TPO offers the flexibility and weathering resistance of rubber, plus the versatility of a thermoplastic. The seams may be either heat-welded or sealed with seam tape.

- ▼ **Installation methods:** Mechanically attached, fully adhered and ballasted
- ▼ **Thickness:** 45 mil (1.14 mm) and 60 mil (1.52 mm)
- ▼ **Standard widths:** Range from 4'  $\varnothing$  12.33' (1.22 m  $\varnothing$  3.76 m) depending on color
- ▼ **Standard length:** 100' (30.5 m)
- ▼ **Colors:** White, Grey and Tan

White TPO meets EPA and DOE ENERGY STAR® requirements.

## GENFLEX TPO FLEECE BACK

Fleece Backed TPO is internally reinforced with a weft inserted polyester scrim and externally with an 8 oz polyester fleece backing for superior cut and puncture resistance.

- ▼ **Installation methods:** Mechanically attached, fully adhered and ballasted
- ▼ **Thickness:** 45 mil (1.14 mm) and 60 mil (1.52 mm)
- ▼ **Standard width:** 10' (3.05 m)
- ▼ **Standard length:** 100' (30.48 m)

## NOW, THIS IS COOL.

We all know reflective roofing materials are proven to keep solar heat out of buildings. And that increases energy savings. But did you know that in certain geographic regions, our cool roof systems stay 50° - 60°F cooler at peak times than traditional roofing membranes? It's our way of protecting the environment, lowering cooling costs and keeping owners and occupants comfortable.

As if that weren't enough, we're also a partner in the EPA ENERGY STAR® program. Not only do our GenFlex White TPO products meet EPA requirements, they also meet stringent reflectance and emittance criteria in the USGBC® LEED® program.

## GENFLEX PEEL & STICK™ TPO

GenFlex Peel & Stick TPO – with heat-weld (HW) seams helps reduce labor and installation time.

- ▼ **Thickness:** 45 mil (1.14 mm) and 60 mil (1.52 mm)
- ▼ **Standard widths:** White HW - 6.25' (1.91 m) and 10' (3 m)
- ▼ **Standard lengths:** 45 mil HW and 60 mil HW - 100' (30.5 m);

## GENFLEX TPO PLUS

TPO Plus is designed to provide greater puncture resistance, breaking strength and long-term performance.

- ▼ **Installation methods:** Mechanically attached, fully adhered and ballasted
- ▼ **Thickness:** 80 mil (2.03 mm) White
- ▼ **Standard widths:** 4' (1.22 m) and 8' (2.43 m)
- ▼ **Standard length:** 75' (22.9 m)



## GENFLEX TPO FOR HIGH PERFORMANCE

When it comes to choosing the right solution for your project, you have a lot of factors to consider – configuration, usage, slope, height, location and wind exposure to name a few. Fortunately, no matter what the challenge, GenFlex TPO roofing systems have the durability, flexibility and complete warranty coverage to make your decision easy.

Even better, GenFlex offers the widest selection of products and systems, including GenFlex Peel & Stick™ TPO. Introduced in 2003, these revolutionary membranes and accessories have pre-applied adhesive, making installation faster, easier, safer and smarter. GenFlex TPO membrane also meets all the requirements of the TPO ASTM Standard D6878-03.

## FEATURES AND BENEFITS

### Polyester Reinforcement

- ▼ Excellent dimensional stability
- ▼ Greater tear and breaking strength
- ▼ Outstanding lay-flat qualities for easier seaming

### Heat-Weldable

- ▼ Higher seam strength
- ▼ Less seaming labor
- ▼ VOC free
- ▼ Lower labor costs
- ▼ Wide welding window

### Advanced Compound and UV Technology

- ▼ Proven long-term performance
- ▼ Non-halogenated compound
- ▼ Excellent long-term flexibility and welding characteristics
- ▼ Free of plasticizers
- ▼ Scuff resistant
- ▼ Increased puncture resistance

# TPO ACCESSORIES

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

## Peel & Stick™ TPO Flashing Membrane

- ▶ Pre-applied pressure-sensitive adhesive
- ▶ Pre-cut flashing sizes for less set-up time
- ▶ 18 3/4" width (476 mm) x 100' length (30.5 m)

## Peel & Stick™ Seam Tape

- ▶ Two-sided, cured butyl seam tape (White)
- ▶ One-step clean-and-prime application with scrub pad and handle
- ▶ Excellent adhesion to TPO membranes
- ▶ 3" width (76.2 mm) x 100' length (30.5 m) rolls

## Peel & Stick™ Pipe Boots

- ▶ Injection-molded TPO boot with pre-applied butyl tape
- ▶ Fast and easy installation with GenFlex clear primer
- ▶ Fits openings from 1" Ø 6" (25.4 mm Ø 152.4 mm)

## Peel & Stick™ Cover Tape

- ▶ 5" (127 mm) wide TPO membrane flashing with pre-applied butyl tape
- ▶ Fast and easy way to strip in metal edge
- ▶ Can also be used to patch holes or punctures in membrane

## Peel & Stick™ Yellow Safety Strip

- ▶ 30 mil (0.76 mm) yellow TPO membrane laminated to a white, cured seam tape
- ▶ 5.5" wide (140 mm) x 100' long (30 m)
- ▶ Easy to install, long-lasting option for identifying hazards on the roof

## Walkway Pad

- ▶ 30" wide (140 mm) x 50' long (15 m)
- ▶ Highly reflective white textured surface for visibility and increased slip resistance
- ▶ Smooth bottom for easy welding and installation
- ▶ Scrim reinforcement for dimensional stability and increased durability

## Clear Primer

- ▶ Promotes excellent adhesion to TPO
- ▶ Clear color improves aesthetics
- ▶ For use with all Peel & Stick TPO accessories
- ▶ Convenient 3 gal. (11.4 L) pail

## LVOC Primer

- ▶ Designed to clean and prime GenFlex TPO membrane
- ▶ Formulated to meet V.O.C. requirements of 2.13 lb/gal (250 g/L) maximum
- ▶ Must be applied with Scrub Pad and Handle

## Scrub Pad and Handle

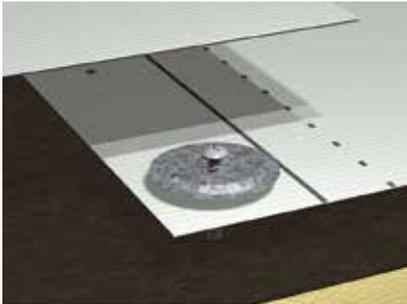
- ▶ Designed to apply clear primer to TPO membranes in one-step process
- ▶ Required application tools for GenFlex clear primer
- ▶ Abrasive pads and molded plastic handles

## FASTENERS AND ADHESIVES

No roofing system is complete without fasteners. That's why GenFlex offers a complete line of fasteners and installation adhesives to make sure your roofing system isn't missing a thing. For specific application needs, see the product data sheets at [www.GenFlex.com](http://www.GenFlex.com).

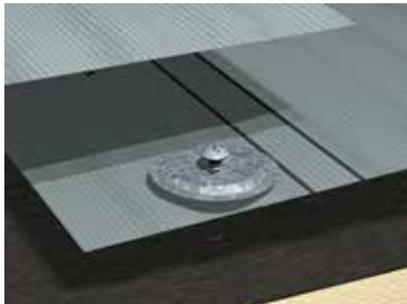
# OPTIONS FOR INSTALLATION

Perfect for new construction or reroofing jobs, GenFlex TPO membranes can be mechanically attached, fully adhered or ballasted.



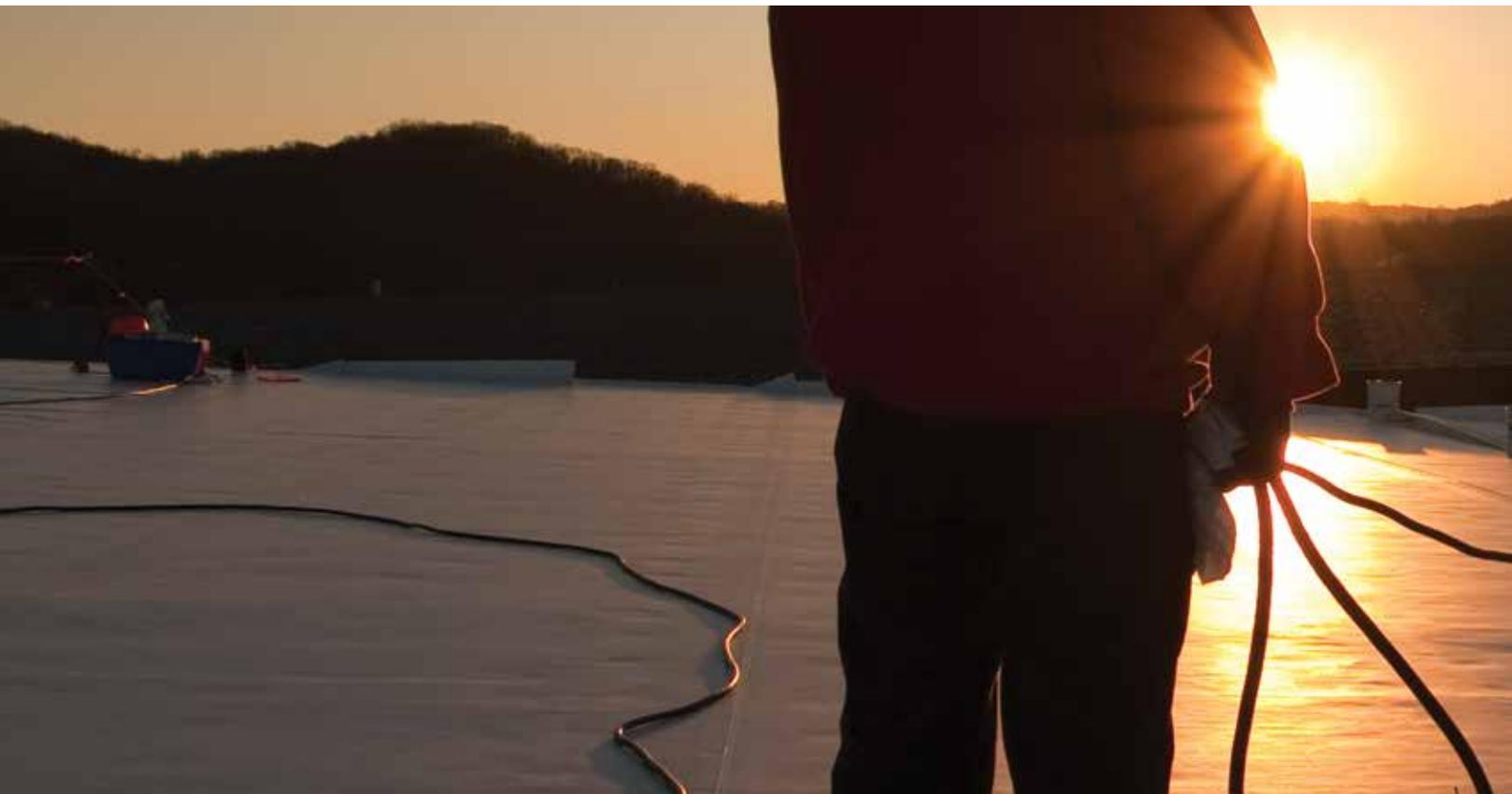
## **Mechanically Attached**

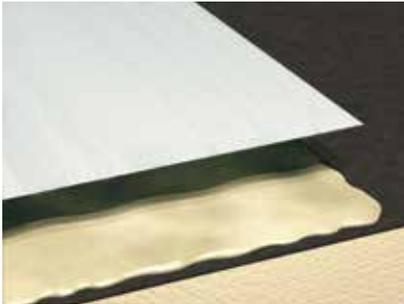
Mechanically attached systems offer exceptional performance in high wind conditions at a very low installed cost. The complete line of fastening accessories assures the right attachment for the right condition.



## **Mechanically Attached Dual-Weld**

Dual-Weld offers even higher wind-uplift performance than single-weld seams, which create unequal, or asymmetrical, loading in the attachment area. GenFlex's patented Dual-Weld technology balances the wind load throughout the seam area, eliminating the stress around the fasteners and along the seams. By directly transferring the load to the in-seam fastening system, performance and uplift ratings improve.





### Fully Adhered

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. The back of the membrane and the substrate are coated with GenFlex bonding adhesive, allowed to flash-off, carefully rolled back into position and broomed into place.



### Ballasted

Ballasted installation is perfect when a job needs to be done quickly and inexpensively. Insulation and membrane are loose-laid with the membrane fastened only at the perimeter. Recommended ballast is smooth, water-worn rocks. Substrate must be capable of supporting the dead load of the system.





*Above all.*

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[www.GenFlex.com](http://www.GenFlex.com)

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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. And 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](http://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 QBS 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.