

Freedom™ TPO Brochure (w/RapidSeam™) Brochure

Updated: 6/13



*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*

www.gaf.com

EverGuard[®] **Freedom[™] TPO** *Self-Adhering Roofing Systems*

- **Installs Fast**
- **No Fumes**
- **Fewer Hassles**

Available with
Heat-Weld
& **RapidSeam[™]**
Technology



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From North America's
Largest Roofing
Manufacturer![™]*

EverGuard® Freedom™ TPO Self-Adhering Roofing Systems

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Heat-Weld
&
RapidSeam™
Technology

Quick Application...

- No Waiting... For adhesives to dry or to become contaminated by airborne particles
- Ready To Install... Right from the factory
- No Hassles... Available in easy-to-handle 5 ft. widths or 10 ft. widths (heat-weld only) for larger commercial properties

Occupant-Friendly...

- Fewer Fumes... From either hot asphalt or solvent-based adhesive
- Less Disruption... To normal business activity
- Fewer Hassles... Such as having to evacuate a building due to odor

Especially Good For Hospitals and Schools...

Safest choice...eliminates open flames, hot asphalt, and solvent-based adhesives

Saves Energy...

Exceeds the requirements of California Title 24

Consistent Quality...

Factory-applied adhesive eliminates guesswork by the installer, resulting in uniform application and less chance of adhesive-related wind uplift problems

UL Classified. See complete marking on product.



State of
Florida
Approved



California
Title 24
Compliant

Environmentally Friendly...

Eliminates conventional adhesives (with volatile organic compounds–VOCs) that can cause safety and environmental issues

Peace Of Mind...

RapidSeam™, now up to 10-year manufacturer's NDL guarantee, and heat-welded up to 20-year NDL guarantee (See EverGuard® Diamond Pledge™ NDL Roof Guarantee for complete coverage and restrictions)

Ideal For Re-Covers...

- UL Class A fire rating... The highest rating possible
- Multiple Approvals... Including over DensDeck® Prime, ISO, and StormSafe™ Anchor Sheet

Color Options...

- Comes in your choice of white, tan, or gray to coordinate with your color scheme (color availability varies by product)

Superior Uplift Protection...

- Thoroughly Tested... Passed a wind uplift rating up to 1–165 psf when installed over ISO at the industry's leading test facility

“Our company used Freedom™ HW often so when I had the opportunity to try the new and improved RapidSeam™ on my home I did ... and it is performing beautifully, not to mention the drastic reduction in heating and cooling the upstairs of my home! Not only was installation a breeze but the set-up time was greatly reduced due to the fact we did not need a robot welder and large generator. Perfect for large projects and small!”

—Gris McDonald, Heritage Roofing Co, Inc.

Option 1: Freedom™ TPO With RapidSeam™ Technology...



- Easy to install, saves time, saves money
- Eliminates over 95% of field seam preparation!
- Over 50 times faster than taped seam application, up to 5 times faster than water-based adhesives, and up to 3 times faster than solvent-based adhesives (depending on outside temperature)
- Twice the peel strength* of conventional EPDM Butyl taped systems

Now install your accessories without a heat welder on Freedom™ RapidSeam™ jobs!

EverGuard® Double-Sided and Strip-In Tapes are designed to secure and seal virtually any standard EverGuard® accessory or flashing detail on Freedom™ RapidSeam™ installations. Any surface mated to the tapes MUST be clean and primed with EverGuard® Low VOC TPO Primer. Tapes will not adhere to unprimed areas. Additional details are available at gaf.com.

Installs more than 50 times faster than conventional taped seams!

Linear feet per man-minute

66.7 ft.

RapidSeam.

Taped Seam

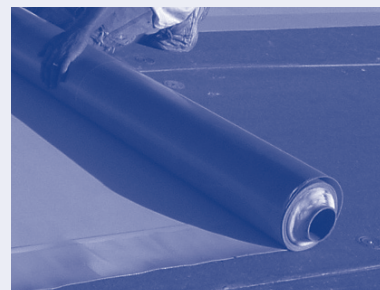
1.3 ft.

Freedom™ TPO Self-Adhering Roofing Membrane <i>RapidSeam</i> Technology	45 Mil Available White Only	60 Mil Available White, Tan, and Gray
Roll size	5'x 50' (1.52 m x 15.2 m)	5'x 50' (1.52 m x 15.2 m)
Rolls per pallet	21	15
Gross sq. feet per roll	250 (23.2 sq. meters)	250 (23.2 sq. meters)
Roll weight/lbs. nominal	74 (33.6 kg)	93 (42.2 kg)
Pallet weight/lbs. nominal	1599 (725.3 kg)	1440 (653.2 kg)
Reflectivity, Emissivity, SRI** (White Only)	Initial Reflectivity 0.76 Initial Emissivity 0.90 3-year Reflectivity 0.68 3-year Emissivity 0.83 Initial SRI 94 Aged SRI 81	
Storage/shelf life	Store on pallets in a clean, dry area at temperatures below 100°F; protect adhesive side from exposure to direct sunlight; and use care when handling the adhesive side of material. The adhesive is aggressive and will stick to skin. Best if used within 12 months of manufacture date.	
Safety warning	Membrane rolls are heavy. Position and install by at least two people.	

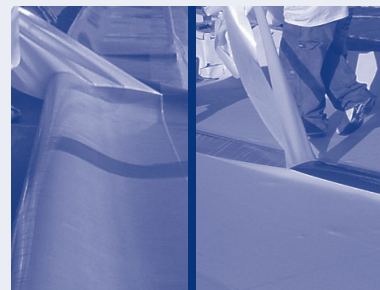
**Fastest,
Easiest
Installation!***



Step 1
Sweep dirt from substrate



Step 2
Unroll and position product



Step 3
Remove release films and adhere membrane



Step 4
Roll edges, seams, field of roof

*Photos depict installation of self-adhered product; heat-welded product installation differs slightly

*Based on internal testing

**For Title 24 Aged SRI, contact Technical Services at 1-800-766-3411

Option 2:

Freedom™ TPO With Heat-Weld Technology...

- Saves time, saves money, easy to install
- Eliminates over 95% of field seam preparation!
- Over 10 times faster* than taped seam application
- Eliminates flash time required in traditional adhered systems

Installs more than 10 times faster than conventional taped seams!

Linear feet per man-minute

Heat-Welded Seam



14 ft.

Taped Seam



1.3 ft.

Freedom™ TPO HW Self-Adhering Roofing Membrane	45 Mil Available White Only			60 Mil Available White, Tan, and Gray		
	Roll size	5'x50' (1.52 m x 15.2 m)	10'x50' (3.05 m x 15.2 m)	10'x100' (3.05 m x 30.48 m)	5'x50' (1.52 m x 15.2 m)	10'x50' (3.05 m x 15.2 m)
Rolls per pallet	12	12	7	12	12	7
Gross sq. feet per roll	250 (23.2 sq. meters)	500 (46.4 sq. meters)	1000 (92.9 sq. meters)	250 (23.2 sq. meters)	500 (46.4 sq. meters)	1000 (92.9 sq. meters)
Roll weight/lbs.	84 (38.1 kg)	168 (76.2 kg)	319 (144.7 kg)	98 (44.5 kg)	196 (88.9 kg)	2768 (1255.5 kg)
Pallet weight/lbs.	1083 (491.2 kg)	2166 (982.4 kg)	2383 (1080.9 kg)	1251 (567.4 kg)	2502 (1134.8 kg)	2768 (1255.5 kg)
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Freedom™ TPO HW Self-adhering Roofing Membrane may also be manufactured using Extreme® TPO in 60 mil HW as a special order. Contact your local Territory Manager for ordering details.						

*Based on internal testing **For Title 24 Aged SRI, contact Technical Services at 1-800-766-3411



For complete, up-to-date specifications and information, visit gaf.com

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 Northeast Sales Office: (856) 241-0241 Central Sales Office: (630) 296-1980 Southeast Sales Office: (813) 829-8880 Southwest Sales Office: (972) 851-0500 West Sales Office: (800) 445-9330

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