

# **GAF Commercial Roofing System Solutions Brochure – Full Line Catalog**

(COMGN100)

Updated: 8/16



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



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Trust...From  
North America's  
Largest Roofing  
Manufacturer!™

# ROOFING SYSTEM SOLUTIONS

ASPHALTIC LIQUID-APPLIED SINGLE-PLY INSULATION

[gaf.com](http://gaf.com)





# Quick Guide To GAF Roofing Systems



- = Top Performance
- ◐ = Excellent Performance
- ◑ = Good Performance
- ◒ = Not Recommended
- = Not Available

(Ratings based on GAF estimates and contractor interviews)

## Desired Characteristic

Multi-Layered Membrane Protection

Flexes To Conform To Roof Movement

Low Maintenance

Light Reflective For Energy Savings

Puncture/Leak Resistant

Easy To Repair After Installation

Heat-Welded, Self-Adhered, Torch, Cold-Applied, Or Mopped Seam Strength

Grease/Oil/Chemical Resistant<sup>1</sup>

Can Be Installed In Cold Weather

High Heat and UV Resistance

Maximum Guarantee Length In Years\*

Choosing the right roofing system for an application can be complicated. There are many roof membrane options, and each property may have its own set of unique requirements. So, how do you choose the right roofing system for your property?

## Choose The Right Company

GAF is North America's largest roofing manufacturer. We manufacture products that provide more solutions than any other roofing manufacturer. We're not vested in a single technology; our broad product offering is designed to help you select a roofing system that is right for your property.

## Choose The Right Team To Work With

GAF's commercial roofing team can guide you in system choice, preparation of design materials, construction details, specification preparation, and more! Contact GAF's Architectural Services Team at 1-800-522-9224 or see the back cover of this brochure for your local sales office.

## Choose The Right Roof To Fit Your Needs

Listed below is a selection chart to help with some of the physical performance criteria of individual products, but there are other important considerations as well. Having a good understanding of your investment objectives (e.g., long term or short term), property use (e.g., the importance of aesthetics or amount of roof traffic), location (e.g., inner city or desert), and the overall building construction will help ensure the best choice.

ASPHALTIC								LIQUID-APPLIED						SINGLE-PLY											
RUBEROID®/LIBERTY™ SBS Modified Bitumen				RUBEROID® APP Modified Bitumen		GAFGLAS® Built-Up Roofing		United Coatings™ Roof Mate Coating			HydroStop® PremiumCoat® System			EverGuard Extreme® TPO			EverGuard® TPO			EverGuard® TPO Fleece-Back		EverGuard® Freedom™ TPO		EverGuard® PVC	
LIBERTY™ Self-Adhered	Torch	Mop	Cold-Applied	Torch	Mineral-Surfaced	Gravel	For Metal Roofs	For Asphaltic Roofs	For Single-Ply Roofs	For Metal Roofs	For Asphaltic Roofs	For Single-Ply Roofs	Fully Adhered	Mechanically Attached	RhinoBond®	Fully Adhered	Mechanically Attached	RhinoBond®	Fully Adhered	Mechanically Attached	Self-Adhering, Heat-Welded	Fully Adhered	Mechanically Attached		
20	20	20	20	20	20	20	20	15	15	25	25	25	35	30	35	30	25	30	30	25	20	20	20		

\*Note: For complete details, restrictions, requirements, terms, and conditions, please refer to official guarantee document and applicable GAF specification manual.

<sup>1</sup>See applicable GAF guarantee for specific exclusions  
<sup>2</sup>Requires the use of EnergyCap™ Products

<sup>3</sup>May require that installation adhesive be pre-heated

# RUBEROID® Modified Bitumen Roofing



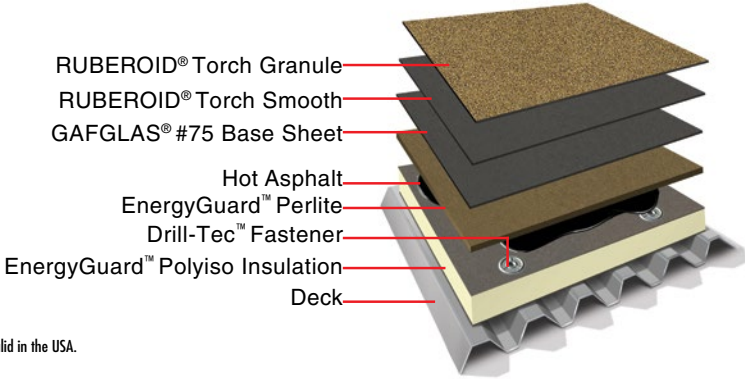
RUBEROID® membranes offer greater flexibility, impact resistance, strength, and system compatibility

### Applications...

For premium, fire-rated systems, specify RUBEROID® Torch Plus Granule FR, RUBEROID® Mop Plus Granule FR, or RUBEROID® HW Granule Plus FR membrane.

Now available in an ENERGY STAR® certified\*, CRRC rated version, RUBEROID® EnergyCap™ 30 Granule FR and RUBEROID® EnergyCap™ Torch Plus Granule FR combine the proven performance of RUBEROID® membranes with EnergyCote™, a pre-applied premium reflective white elastomeric coating.

For standard applications, new or retrofit, as well as flashing and repairs to existing built-up roofs, GAF offers its proven RUBEROID® Torch membranes (App torch-applied), RUBEROID® Mop membranes (hot- or cold-applied), or RUBEROID® HW membranes (SBS torch-applied).



\* ENERGY STAR® only valid in the USA.

TYPICAL 3-PLY TORCH-APPLIED SYSTEM USING BUR BASE SHEET AND PREMIUM APP MODIFIED BITUMEN MEMBRANES

## RUBEROID® Modified Bitumen Membrane Selection Guide

APP	Mop-Applied	Torch-Applied	Cold-Applied	Maximum Available Guarantee (Yrs.) <sup>1</sup>	Membrane Weight <sup>1</sup> (lb/sq ft)	Membrane Thickness (mils) <sup>1</sup>	Mat (Polyester) / F (Fiberglass)	UL Approval <sup>2</sup>	FM Approval <sup>3</sup>	FBC	TDI	Miami-Dade County Product Control Approval	ICC	ENERGY STAR® Certified Title 24 Compliant	ASTM
RUBEROID® Torch Smooth		◆		15	0.8	153	P	◆	◆	◆	◆	◆	◆		D6222 Type I Grade S
RUBEROID® Torch Granule		◆		15	1.0	177	P	◆	◆	◆	◆	◆	◆		D6222 Type I Grade G
RUBEROID® Torch Plus Granule FR		◆		20	1.2	170	PP	◆	◆	◆	◆	◆	◆		D6222 Type II Grade G
RUBEROID® EnergyCap™ Torch Granule FR		◆		15	1.0	160	P	◆	◆	◆	◆	◆	◆	◆	D6222 Type I Grade G
RUBEROID® EnergyCap™ Torch Plus Granule FR		◆		20	1.5	170	PP	◆	◆	◆	◆	◆	◆	◆	D6222 Type II Grade G
SBS															
RUBEROID® Mop Granule	◆		◆	15	1.0	140	P	◆	◆	◆	◆	◆	◆		D6164 Type I Grade G
RUBEROID® Mop Smooth 1.5	◆		◆	20	0.9	90	P	◆	◆	◆	◆	◆	◆		D6164 Type I Grade S
RUBEROID® Mop Granule FR	◆		◆	15	1.0	155	P	◆	◆	◆	◆	◆	◆		D6164 Type I Grade G
RUBEROID® Mop Plus Granule FR	◆		◆	20	1.0	155	PP	◆	◆	◆	◆	◆	◆		D6164 Type II Grade G
RUBEROID® EnergyCap™ Mop Plus Granule FR				20	1.0	155	PP	◆	◆	◆	◆	◆	◆	◆	D6164 Type II Grade G
RUBEROID® 20 Smooth	◆		◆	15	0.6	85	F	◆	◆	◆	◆	◆	◆		D6163 Type I Grade S
RUBEROID® 30 Granule	◆		◆	15	0.9	140	F	◆	◆	◆	◆	◆	◆		D6163 Type I Grade G
RUBEROID® 30 Granule FR	◆		◆	15	0.9	140	F	◆	◆	◆	◆	◆	◆		D6163 Type I Grade G
RUBEROID® EnergyCap™ 30 Granule FR	◆		◆	15	1.0	140	F	◆	◆	◆	◆	◆	◆	◆	D6163 Type I Grade G
RUBEROID® Ultraclad® SBS (Aluminum)	◆	◆		20	1.0	160	F (scrim)	◆	◆	◆	◆	◆	◆		D6298
RUBEROID® Mop Plus Smooth	◆		◆	20	0.7	120	PP	◆	◆	◆	◆	◆	◆		D6164 Type II Grade S
RUBEROID® HW Granule		◆		15	1.0	165	P	◆	◆	◆	◆	◆	◆		D6164 Type I Grade G
RUBEROID® HW Smooth		◆		20	1.0	165	P	◆	◆	◆	◆	◆	◆		D6164 Type I Grade S
RUBEROID® HW 25 Smooth		◆		20	0.6	98	F	◆	◆	◆	◆	◆	◆		D6163 Type I Grade S
RUBEROID® HW Granule FR		◆		15	1.0	160	P	◆	◆	◆	◆	◆	◆		D6164 Type I Grade G
RUBEROID® HW Plus Granule		◆		20	1.0	165	P	◆	◆	◆	◆	◆	◆		D6164 Type II Grade G
RUBEROID® HW Plus Granule FR		◆		20	1.0	165	PP	◆	◆	◆	◆	◆	◆		D6164 Type II Grade G
RUBEROID® EnergyCap™ HW Plus Granule FR		◆		20	1.0	165	PP	◆	◆	◆	◆	◆	◆	◆	D6164 Type II Grade G

## LIBERTY™ Self-Adhering

LIBERTY™ SBS Self-Adhering Base/Ply Sheet Specifications (nom.)

- Roll length is 66 ft. (20.1 m)
- Roll width is 39.375 in. (1.0 m)
- Roll size is 2 squares, 216 sq. ft. (20.1 m²)
- FM Approved, UL Classified
- State of Florida Approved
- Miami-Dade County Product Control Approved
- Texas Dept. of Insurance (TDI)

LIBERTY™ SBS Self-Adhering Cap Sheet Specifications (nom.)

- Roll length is 34 ft. (10.4 m)
- Roll width is 39.375 in. (1.0 m)
- Roll size is 1 square, 112 sq. ft. (10.4 m²)
- FM Approved, UL Classified
- State of Florida Approved
- Miami-Dade County Product Control Approved
- Texas Dept. of Insurance (TDI)

See related accessories on page 14.

# GAFGLAS® BUR (Built-Up Roofing)



GAFGLAS® BUR helps to reduce installation costs while tackling the most demanding roof applications

### Metric-Sized Rolls For Lower Installed Cost...

All GAFGLAS® Plies are produced in metric-width rolls, allowing faster application and resulting in lower installed cost.

### GAFGLAS® Roofing Plies...

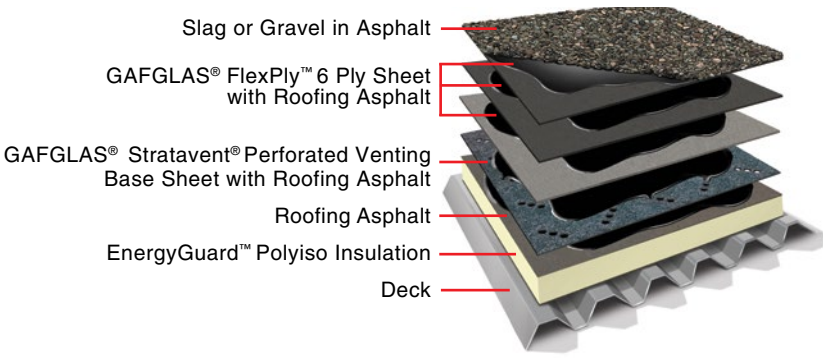
Incorporate the latest in fiberglass ply technologies for high tensile strength, dimensional stability, optimum porosity for air escape while mopping, excellent wind-uplift resistance, UL Class A fire ratings, and a FM uplift rating up to Class 1-720 when solidly mopped to a primed, insulated structural concrete deck:

- GAFGLAS® FlexPly™ 6 Ply Sheet premium-performing
- GAFGLAS® Ply 4 Ply Sheet

### GAFGLAS® Base Sheets...

Offer solutions for every application:

- GAFGLAS® #75 Base Sheet for economical applications
- GAFGLAS® #80 Ultima™ Base Sheet features a heavyweight construction that is ideal for all premium roofing and flashing systems
- GAFGLAS® Stratavent® Base Sheets suitable for new and reroof applications when a venting base sheet is needed



TYPICAL 4-PLY PREMIUM SYSTEM WITH GAFGLAS® STRATAVENT®, FLEXPLY™ 6, FLOOD COAT, AND GRAVEL

### GAFGLAS® Mineral-Surfaced Cap Sheet...

Surfacing options:

- GAFGLAS® Mineral-Surfaced Cap Sheet... Provides a UL Class A rating for use as a surface ply in hot-applied roof systems and as a top ply in base flashing construction without the need for additional surface coatings
- GAFGLAS® EnergyCap™ Mineral-Surfaced Cap Sheet... Now a mineral-surfaced cap sheet with a pre-applied, elastomeric coating for the highly reflective membranes required by California's Title 24

## GAFGLAS® Built-Up Roofing Materials Selection Guide

### BASE SHEETS

	Maximum Available Guarantee (Yrs)	Weight <sup>1</sup> (lb/sq ft)	Sqs/roll <sup>2</sup>	Surface	UL Approval <sup>2</sup>	FM Approval <sup>3</sup>	Miami-Dade County Product Control Approval	FBC	TDI	ICC	ENERGY STAR® Certified Title 24 Compliant	ASTM
GAFGLAS® #75 Base Sheet	20	.185	3	Smooth	◆	◆	◆	◆	◆	◆		D4601 Type II
GAFGLAS® #80 Ultima™ Base Sheet	20	.303	2	Smooth	◆	◆	◆	◆	◆	◆		D4601 Type II
GAFGLAS® Stratavent® Nailable Venting Base Sheet	20	.55	1.25	Smooth	◆	◆	◆	◆	◆	◆		D4897 Type II
GAFGLAS® Stratavent® Perforated Venting Base Sheet	20	.53	1.25	Smooth	◆	◆	◆	◆	◆	◆		D4897 Type II

### PLY SHEETS

GAFGLAS® Ply 4 Ply Sheet	12	.06	5	Smooth	◆	◆	◆	◆	◆	◆		D2178 Type IV
GAFGLAS® FlexPly™ 6 Ply Sheet	20	.063	5	Smooth	◆	◆	◆	◆	◆	◆		D2178 Type VI

### SURFACE SHEETS

GAFGLAS® Mineral-Surfaced Cap Sheet	20	.63	1	Granule	◆	◆	◆	◆	◆	◆		D3909
GAFGLAS® EnergyCap™ Mineral-Surfaced Cap Sheet	20	.73	1	Granule	◆	◆	◆	◆	◆	◆	◆	D3909

<sup>1</sup>All weights and sizes are approximate.  
<sup>2</sup>Refer to www.ul.com for specific approvals.  
<sup>3</sup>Refer to http://roofnav.fmglobal.com for specific approvals.

See related accessories on page 14.

For technical information, visit our website at gaf.com or call 1-800-ROOF-411 (1-800-766-3411). Contact Technical Services for specific listings.



# HydroStop® Liquid-Applied Membrane

With liquid-applied systems, you get a "custom fit" every time



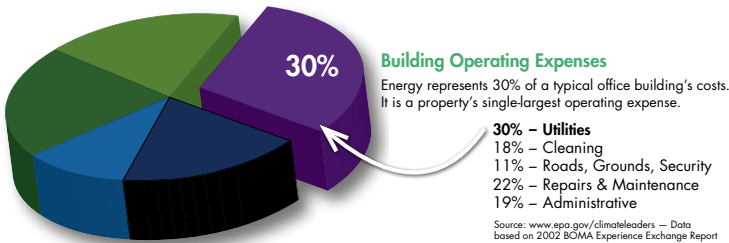
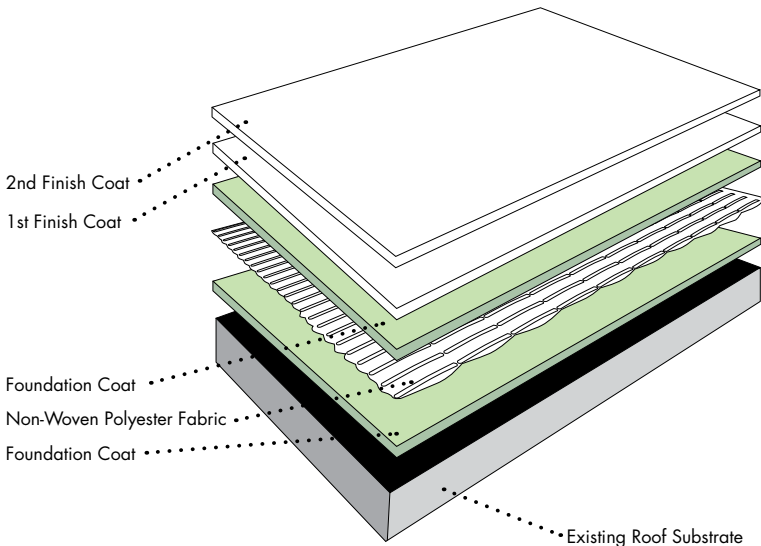
## HydroStop® PremiumCoat® System

GAF offers the HydroStop® PremiumCoat® System, a fabric-reinforced acrylic elastomer system. A Class 1, FM 4470-approved roofing system like HydroStop® PremiumCoat® System functions both as a stand-alone roof system and as a re-cover system over a variety of substrates. It is made using the highest-quality raw materials and forms a flexible, UV-resistant compound. Each liquid-applied membrane is fully reinforced with a tough nonwoven polyester fabric, designed for roofing and flashing applications of all types. It is internally plasticized and meets ASTM D6083 for items such as flexibility, mechanical properties, and adhesion.

Liquid-applied roof systems are built on-site, forming a fully adhered, seamless membrane that meets the requirements of FM4470 testing, which includes resistance to hail, foot traffic, wind uplift, and most importantly, water leakage.

HydroStop® PremiumCoat® Systems feature:

- Very low VOC (can contribute toward LEED® points)
- Brush application
- No building closure required
- Low maintenance
- No accessories required
- Seamless and self-flashing
- Certified "Cool Roof"
- Excellent UV and weather resistance
- Sustainable for the building's life
- High solar reflectivity and thermal emissivity



## Resistance To Weathering

Resistance to weathering and retention of physical properties is a key performance attribute of any roof system. Data was obtained on a HydroStop® PremiumCoat® System consisting of fabric-reinforced acrylic membrane. Data shows that even after 8,000 hours of Xenon Arc accelerated weathering (per ATSM D2370), this system is able to retain virtually all of its initial elongation and breaking strength.

Tensile Properties	Initial	2000h	4500h	8000h
5 specimens; 3.0" lng x 0.5" wide Test Speed 1.0±0.2"/min Test Condition 73.4±3.6°F & 50±10%RH				
MD - Percent Elongation (max load) (%)	44	45	50	36
MD - Breaking Strength (lbf/in-width)	70	70	64	65
CMD - Percent Elongation (max load) (%)	42	48	53	41
CMD - Breaking Strength (lbf/in-width)	65	73	71	69

# United Coatings™

The industry's premier line of roof coatings

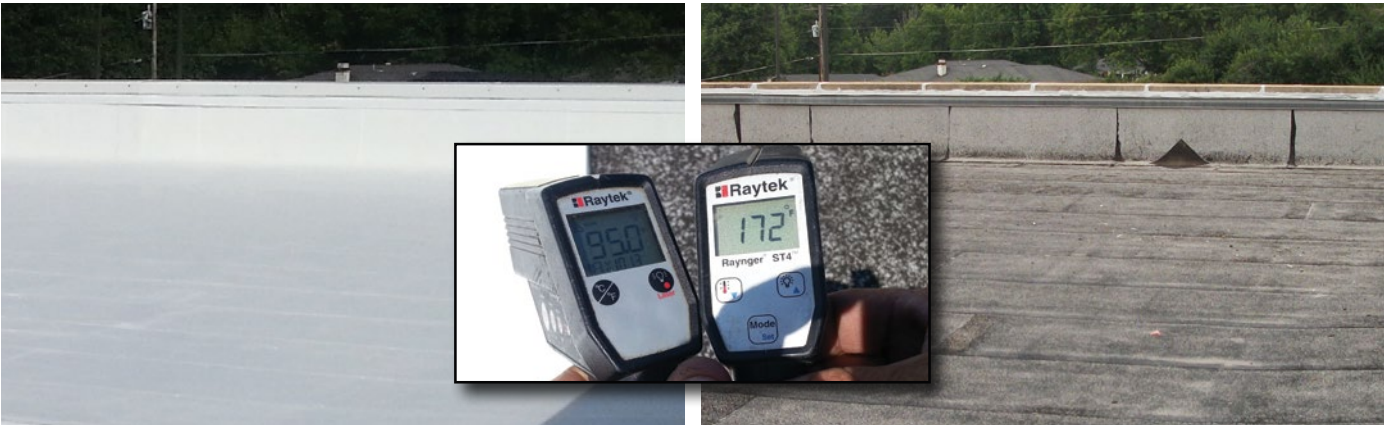


## Premium Coating Solutions

United Coatings™ from GAF make sense for both contractors and building owners. Contractors love the simple installation, wide range of technologies, and proven track record of United Coatings™. Most products do not require expensive equipment to install, and are safe to handle and apply. The monolithic design prevents points of failure and eliminates leaks and resultant callbacks, providing peace of mind. Building owners appreciate the value that GAF products bring. Reliable solutions mean not having to replace entire roofs; non-toxic application prevents interruption of occupancy or other undesirable effects. The reflective, durable characteristics of many of our coatings provide energy savings and long-term aesthetic stability. Other benefits include:

- No tear-offs required
- Installed while occupants are in the building
- No new insulation required
- No lifting of AC units
- No raising of drains

In addition to installation savings, the highly reflective white roof substantially reduces the amount of energy required to cool the building. Highly reflective, top-quality pigments reflect a majority of the sun's heat, dramatically lowering the temperature of the underlying roof substrate and interior temperatures. This results in reduced HVAC loads, which saves energy usage and expense. Further, equipment installed on roof areas operates at reduced temperatures, extending a roof's life.



# EverGuard® Single-Ply Roofing Systems

EverGuard® Systems are your best choice in single-ply roofing



If you are a facility manager, building owner, architect, or roofing contractor who has experienced the advantages of single-ply roofing systems, you owe it to yourself to consider EverGuard® Single-Ply Roofing Systems from GAF. GAF thermoplastic membrane options include:

**EverGuard® TPO...** Combines the weatherability of EPDM with the reflectivity and seam strength of PVC — at a price you'll love. (To save time, EverGuard® Freedom™ TPO Self-adhering Membranes make installation easy and save you time and money.)

- Available in 45, 60, and 80 mil thicknesses with guarantees up to 30 years\*

**EverGuard Extreme® Advanced Protection™ TPO...** Offers exceptional performance in all applications, including high heat and solar.

- Available in 50, 60, 70, and 80 mil thicknesses with guarantees up to 35 years\*

**EverGuard® Freedom™ TPO...** The convenience of self-adhered membranes available with both heat-welded seams and RapidSeam™ Technology self-adhered seams.

- EverGuard® Freedom™ TPO HW available in 45, 60, and 80 mil thicknesses and with guarantees up to 20 years\*
- EverGuard® Freedom™ TPO With RapidSeam™ Technology available in 45 and 60 mil thicknesses with guarantees up to 10 years\*

**EverGuard® PVC...** Offers the advantages of heat-welded seams and high reflectivity, plus excellent resistance to chemicals, oils, and greases.

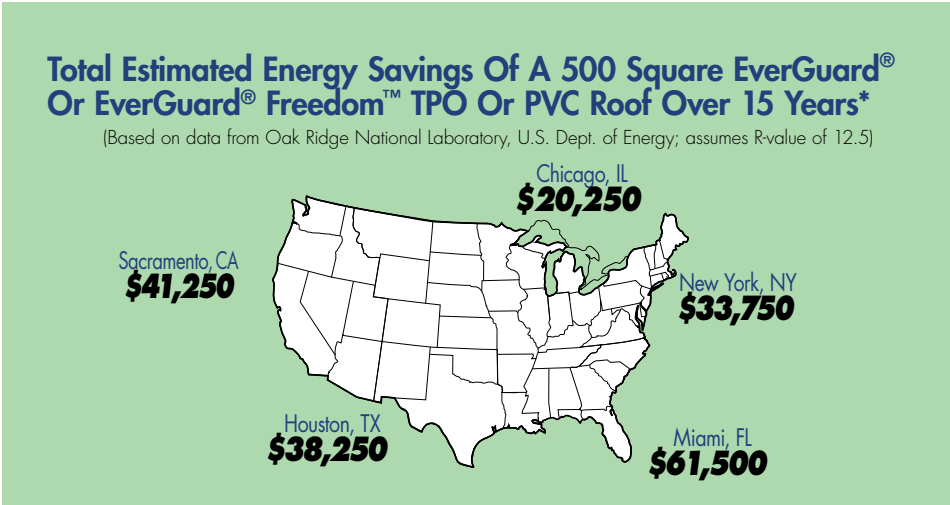
- Available in 50, 60, and 80 mil thicknesses with guarantees up to 20 years\*

\*See applicable guarantee for complete coverage and restrictions.

## When You Figure In The Hidden Energy Savings, White EverGuard® TPO And PVC Systems Significantly Reduce Your Roofing Life Cycle Costs!

With a lifetime average solar reflectance of 65%, EverGuard® and EverGuard® Freedom™ TPO and PVC Membranes can reduce the surface temperature of your roof by as much as 60°F (versus a typical black roof).\*\* This can translate into big savings on utility costs over the life of the roof—as much as \$30,000 or more, depending on where your facility is located. More and more facility owners are asking themselves, “Why get saddled with an energy-wasting black roof when I can install an energy-efficient EverGuard® or EverGuard® Freedom™ TPO or PVC roof instead?”

Depending on your location, an energy-saving EverGuard® TPO or PVC roof could offset as much as 30% or more of the cost to install that roof!



To calculate the savings in other cities, visit the Oak Ridge National Laboratory website at: <http://www.ornl.gov/sci/roofs+walls/facts/CoolCalcEnergy.htm>

The Cool Roof Energy Savings Tool (CREST) — See your potential savings at [cool.gaf.com](http://cool.gaf.com)

For technical information, visit our website at [gaf.com](http://gaf.com) or call 1-800-ROOF-411 (1-800-766-3411).

\*Energy savings estimates are based on energy and fuel cost data provided by ORNL website at the time of print and does not take into consideration energy cost fluctuations over time. Assumptions used in the savings calculations include: R-value of 19; infrared emittance of 90; COP of 2; solar reflectance of 76%; average heating system efficiency. The results are examples—type of building, geographical locations, and your exact energy/fuel costs as well as other factors must be considered for your specific situation.

\*\*Depending on location of facility.

To locate an authorized contractor, call your local regional office (see back cover).

## Product Spotlight:

### EverGuard Extreme® TPO Delivers Advanced Protection For Your Property

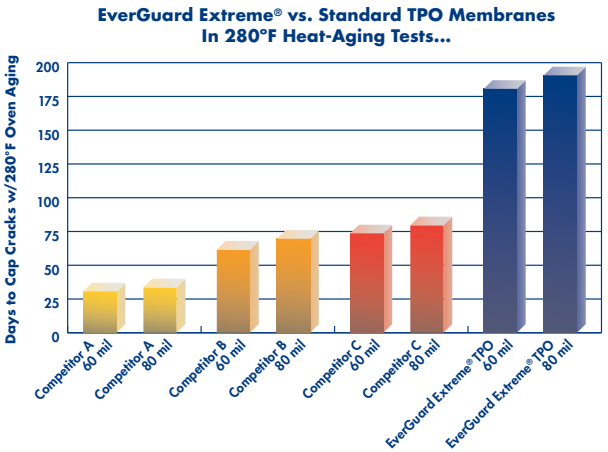
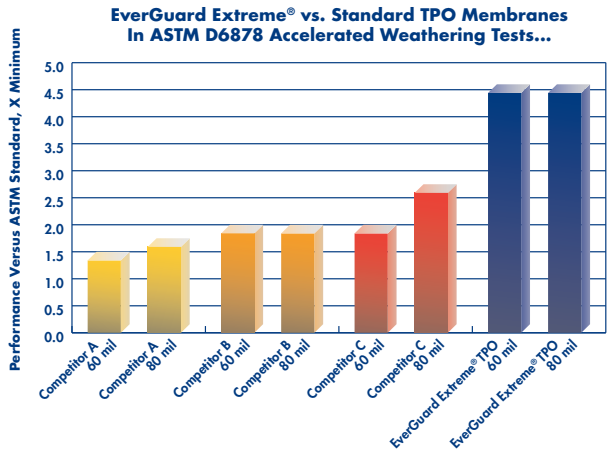
EverGuard Extreme® is a breakthrough (patent-pending) in TPO roofing membrane technology. It not only results in next-generation performance against heat aging and UV degradation (the two key performance characteristics directly related to roof system longevity), but also exceeds all key ASTM standards for TPO membranes. Why settle for standard TPO when you can get the advanced protection of EverGuard Extreme® TPO for your property?

### EverGuard Extreme® TPO Far Exceeds The Performance Of “Standard” TPO Membranes

Standard TPO roofing sold today simply cannot match the performance of EverGuard Extreme® TPO. It uses a proprietary formulation of stabilizers and UV absorbers to achieve performance levels far beyond current roofing standards. To prove it, we tested EverGuard Extreme® TPO against other standard TPO membranes for the two key performance attributes most-highly sought after in TPO membranes: **heat aging** and **UV weathering**. The results were astounding—which is why we back EverGuard Extreme® TPO with the industry's best guarantees: up to 35 years!\*

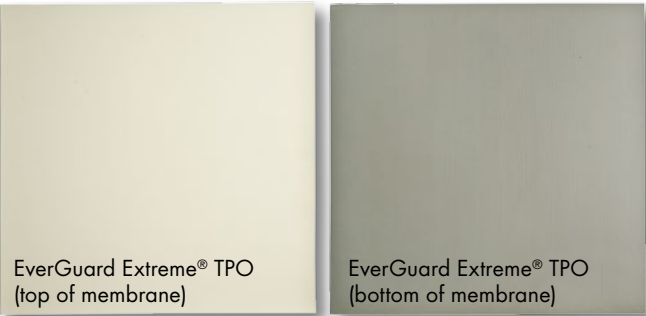
\*See applicable guarantees for complete coverage and restrictions.

Check out [tporeresults.com](http://tporeresults.com) to see the results of the largest independent TPO study ever done.

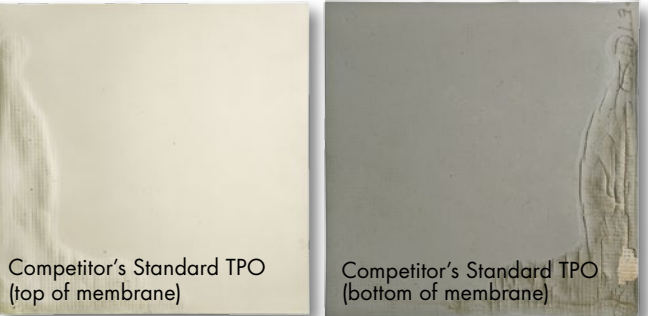


## See The Proof...

Even after the most severe accelerated heat aging at 280°F, **EverGuard Extreme® TPO** still looks brand new!

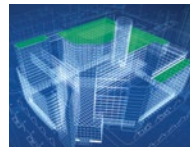


But, **a leading competitor's standard TPO** shows severe deterioration on both the top and bottom of the membrane.





# EverGuard® Membrane Attachments & Adhesives



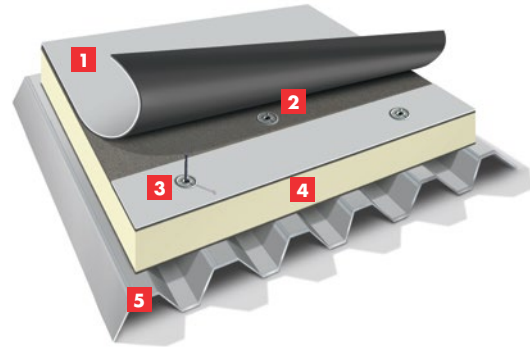
*Solutions for excellent performance and value*

## EverGuard® Membrane Attachment Options:

### Mechanically Attached Application

For a quick and cost-effective system that can be installed practically year-round.

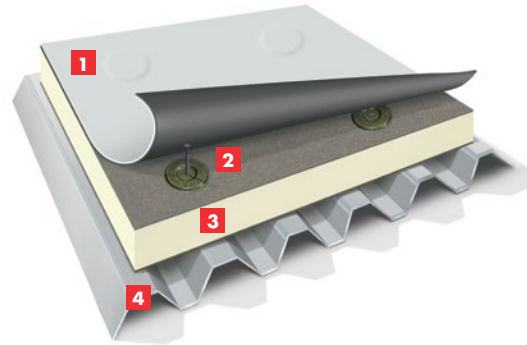
1. EverGuard® TPO
2. Drill-Tec™ Insulation Fastener and Plate(s)
3. Drill-Tec™ Fastener and Membrane Plate(s)
4. EnergyGuard™ Polyiso Insulation
5. Structural Deck



### RhinoBond® Application

Qualifies for the same length guarantee as a fully adhered system at nearly the cost of a mechanically attached system.\*

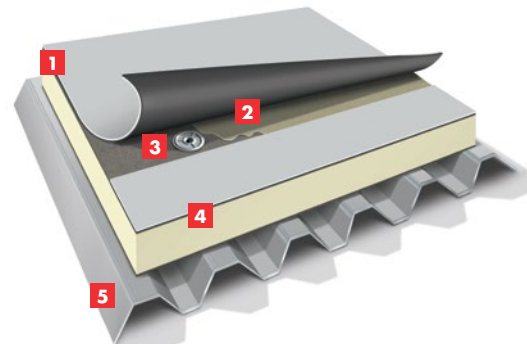
1. EverGuard® TPO Reinforced Membrane
2. Drill-Tec™ RhinoBond® Plates and Fasteners
3. EnergyGuard™ Polyiso Insulation
4. Structural Deck



### Adhered Application

Provides excellent wind uplift performance, a smooth look, and qualifies for the longest guarantee available.\*

1. EverGuard® TPO
2. Bonding Adhesive
3. Drill-Tec™ Insulation Fastener and Plate(s)
4. EnergyGuard™ Polyiso Insulation
5. Structural Deck



\* See applicable guarantee for complete coverage and restrictions.

## GAF Offers A Complete Line Of Adhesives Including:

### • EverGuard® TPO Bonding Adhesive...

Offers high initial tack and is fast drying.

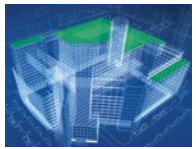
### • EverGuard® Low VOC TPO Bonding Adhesive...

Perfect for code-compliant states requiring air-quality regulations.

### • EverGuard® WB181 Bonding Adhesive...

Does not produce an odor and can be used during installations on occupied buildings such as hospitals.

# EverGuard® Fleece-back TPO



## Why GAF EverGuard® Fleece-back TPO

- Factory-applied polyester fleece provides additional protection to the membrane, offering a variety of benefits, including:
  - Does not require a slip sheet when re-covering over a variety of roofs
  - Provides enhanced puncture resistance, especially in areas more prone to hail
- Increases installation efficiency 2–3 times when installing EverGuard® Fleece-back TPO with GAF 2-Part Roofing Adhesive (compared to standard TPO adhesives)

## Installation

EverGuard® Fleece-back TPO can be installed with a wide range of applications:

### • Mechanically Attached Application...

For a quick and cost-effective system that can be installed practically year-round.

### • Adhered Application...

Can be installed with EverGuard® WB181 Bonding Adhesive (water based) or hot asphalt for the smoothest appearance. Provides excellent wind uplift performance.

### • LRF-O Adhesive...

Two-part low-rise polyurethane foam adhesive that is low VOC and accommodates minor surface irregularities. Available in a cartridge or 5-gallon container.

### • LRF-M Adhesive...

Two-part low-rise polyurethane foam adhesive that is low VOC and accommodates minor surface irregularities. Can also be used for ISO insulation applications. Available in a cartridge or 5-gallon container.

### • 2-Part Roofing Adhesive...

Self-contained low-rise foam dispensing kit offering up to 20 squares per kit so there are fewer changeovers. Cost effective since you don't need spray equipment and no downtime/maintenance worries. Can also be used for ISO insulation applications.

See related accessories on page 15.

# GAF EnergyGuard™ Roof Insulation Products

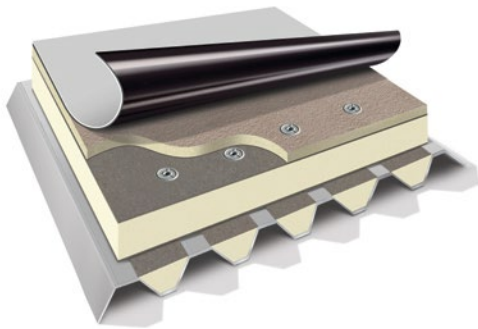
Economy and exceptional thermal performance for all types of roofing systems



## EnergyGuard™ Polyiso Insulation and Tapered Polyiso Insulation

- EnergyGuard™ Polyiso Insulation is made of glass fiber-reinforced cellulosic felt facers bonded to a core of closed-cell polyisocyanurate foam.
- EnergyGuard™ Ultra Polyiso Insulation is made of coated glass-fiber mat facer bonded to a core of closed-cell polyisocyanurate foam.
- Designed for use in practically any low-slope roofing application, including BUR, mod bit, and single-ply systems
- High insulation value — Excellent “LTTR” value compared to any other FM Class I rated product of equivalent thickness at design value of 5.7 per inch
- Meets FM 4450/4470 and UL1256/790/263
- Meets ASTM C1289 Type II, Class 1, Grade 2 (20 psi), and available in Grade 3 (25 psi)
- Excellent dimensional stability
- Low water permeability — Lower overall perm rating than many conventional insulation boards
- High moisture resistance and no capillarity; is stable and maintains its physical and insulating characteristics
- Easier handling and faster to install — Because of its light weight, this material is easier to handle on the job site and installs faster. Easier cutting in the field provides the installer with simplified fabricating on the roof deck. Minimizes on-the-job damage.
- Manufactured with EPA-compliant blowing agents containing no CFCs or HCFCs; has zero ozone depletion potential (ODP) and virtually no global warming potential (GWP)
- Available in a variety of thicknesses from 1" to 4.6" to best suit your needs
- Available in 4' x 4' and 4' x 8' boards
- Tapered panels are also available in slopes of 1/16", 3/16", 1/8", 3/8", 1/4", and 1/2"

## ENERGYGUARD™ POLYISO INSULATION CUSTOM CUT



EnergyGuard™ polyiso insulation custom cut for flute-filler applications. It is designed to fill the flutes in standing seam or lap seam metal roof retrofit systems. Helps improve dimensional stability as well as provides additional R-value to an existing roof deck.

EnergyGuard™ polyiso insulation custom cut for flute-filler applications is available with either straight-cut or bevel-cut edges in order to suit a variety of metal roof retrofit applications.

## GAF Roof System Insulation Compatibility Guide

Product	Composition	Built-Up Roofing	Modified Bitumen	Fully Adhered Single-Ply	Mechanically Attached Single-Ply	Balasted Single-Ply
<b>EnergyGuard™ Polyiso &amp; EnergyGuard™ Ultra</b>						
Flat	Polyiso foam with organic/glass facer	1	1	1	1	1
Tapered	Polyiso foam with organic/glass facer	1	1	1	1	1
Re-cover	Polyiso foam with organic/glass facer	1	1	1	1	1
<b>EnergyGuard™ HD/HD Plus Polyiso Cover Board</b>						
Flat HD >80 psi	Coated glass facer	1	1	1	1	1
Flat HD Plus >110 psi	Coated glass facer	1	1	1	1	1

<sup>1</sup> Some membrane systems may require a cover board or the use of GAFGLAS® Stratavent® Perforated Venting Base Sheet. Check with membrane supplier for code and warranty requirements.

# GAF Roofing Accessories

A single supplier for all your roofing components means a single source for accountability



## Metalastic® Expansion Joint Covers

“Reduce field splices—and risk of leaks”

GAF has designed the most flexible group of expansion joint covers in the industry. Available in 50' rolls, or customized up to 250' rolls in black or white, Metalastic® Expansion Joint Covers eliminate splice joints every 10' and promote trouble-free roofing system performance. Substantially reduces the contractor's installation labor, thereby reducing overall installed cost.



CMF Style  
Curb-to-Curb style expansion joint profiles



Metalastic® Cover in continuous length run

## M-Weld™ Preflashed Drainage & Moisture-Control Accessories

“Provides a uniform finished look for the roof while improving the reliability of penetration flashings”

### M-Weld™ Preflashed Accessories...

Are one-piece roofing detail assemblies that can be used with modified bitumen and built-up roofing systems. These accessories are flashed with either an APP modified bitumen (for use with torch-applied membranes) or an SBS modified bitumen (for use on built-up roofs and mop- or cold-applied SBS applications).



Standard M-Vent™



Adjustable M-Vent™



Drain Insert



One Way M-Vent™



M-Curb™ System



TPO-Coated Metal Drain





## Matrix™ Adhesives & Cements

GAF offers a complete line of premium, asbestos-free modified adhesives and cements. Specially formulated for use with RUBEROID® SBS Modified Bitumen Membranes and other GAF systems.

- Cold-applied roofing systems offer a great opportunity on many roofs where use of torches and kettles is not safe or practical.
- Repairs of hot- or cold-applied SBS modified bitumen roofs are easier with Matrix™ SBS Flashing Cements and SBS Adhesives.

### Adhesives:

Matrix™ 101 Premium SBS Membrane Adhesive  
Matrix™ 102 SBS Membrane Adhesive  
Matrix™ 103 Cold Process Adhesive

### Cements:

Matrix™ 201 Premium SBS Flashing Cement  
Matrix™ 202 SBS Flashing Cement  
Matrix™ 203 Plastic Roof Cement  
Matrix™ 204 Wet/Dry Roof Cement  
Matrix™ 222 Two-Part Flashing Cement

### Primer:

Matrix™ 307 Premium Asphalt Primer



## Lexsuco® Flashing, Vapor Retarders & Water Barriers

*"Takes the guesswork out of flashing repair"*

- Metal Edge (ME) Flashing
- Black/White (B/W) Flashing
- Reinforced (RF) Flashing
- Lexsuco® Vapor Retarder, a 4-mil black vinyl sheet with a perm rating of 0.5
- Permte Vapor Retarder, an asphalt-impregnated kraft paper with fiberglass-reinforced edges and a perm rating of 0.23
- Lexsuco® Water Barrier, a high-quality flexible PVC plastic sheet for moisture-barrier applications in unexposed locations, such as below grade or behind and beneath other building components



Black/White Flashing

## EverGuard® Prefabricated Accessories

*Boost productivity up to 200%\* while reducing installed cost by up to 12% (compared to field-fabricated accessories), and eliminate common problems often associated with field-fabricated details*

### EverGuard® TPO Prefabricated Accessories



### EverGuard® PVC Prefabricated Accessories



Not Pictured: 6" x 150' Detail Strip, Coated Metal, Cut Edge Sealant

## Drill-Tec™ Fasteners

For mechanically fastened roof system components, Drill-Tec™ Fasteners are engineered to exacting specifications to provide easy installation, corrosion resistance, and system compatibility with virtually any membrane or substrate.

- Tested for compliance with FMRC standards 4450 & 4470
- Available with factory-applied Drill-Tec™ CR-10 coating to ensure resistance to corrosion in even the most severe conditions

*"Broad range of fastening options for all systems"*



## Excellent Guarantees For Quality Systems

Years of proven quality allow GAF to offer roofing system guarantees on Modified Bitumen, Built-Up Roofing, GAF CompositeRoof™, EverGuard®, EverGuard Extreme®, and TOPCOAT® Roofing Systems. GAF Diamond Pledge™ No-Dollar-Limit (NDL) and System Pledge™ Roof Guarantees are available from 10 years up to 35 years\* (material-only warranties are also available on GAF products). Guarantee extensions of up to 25% are available with GAF's WellRoof® Guarantee Extension.\*\* Contact Guarantee Services for details.



## Master Roofing Contractor Programs



Choosing the right roofing system, one supplied by the right materials manufacturer, supported with the right guarantee, and—most important—installed by the right contractor, is essential for the protection of the owner's facility. Through its Master Roofing Contractor Programs, GAF has aligned with key professional roofing contractors throughout the United States to ensure the quality installation and long-term performance of all Diamond Pledge™ and System Pledge™ guaranteed systems. Selection of a Master or Master Select™ Roofing Contractor to install a GAF system will result in the cost-effective, on-time roofing solution that you demand while maintaining superior quality and performance.

## Certified Maintenance Professional (CMP) Program

Having a maintenance program in place for your roofing asset is critical for not only optimizing its overall longevity and performance but also helping ensure you have uninterrupted guarantee coverage if issues arise. GAF Certified Maintenance Professionals (CMPs) are contractors who have not only the expertise to maintain and service your roof but also the exclusive ability to extend your Diamond Pledge™ NDL Roof Guarantee by 25%—via the WellRoof® Guarantee Extension,\*\* at no cost to you. Contact GAF Guarantee Services for details.



## gaf.com – Your Resource For Complete Product Data

The GAF website contains technical data and information on both low- and steep-slope products. Information can be viewed or, in many cases, faxed or e-mailed to you, at your request directly from our website!

## Full-Service Technical Support

To assist the architect and specifier from design through installation, the GAF Roofing System Solutions CD-ROM contains information on all the GAF commercial products and systems. The GAF Technical Services Group is available to provide additional data and information on geographic details, specific GAF projects, and code-related questions. For more information about our quality roofing products, systems, or support, visit our website at [gaf.com](http://gaf.com) or call our toll-free **Technical Hotline, 1-800-ROOF-411**.

## Architectural Information Services... An Entire Group Dedicated To You

Architects and specifiers can access an entire team devoted to assisting you with the specification process. They can answer questions and provide assistance with master specification preparation and other valuable activities at no charge to you. Call them toll free: **1-800-522-9224** or e-mail [AIS@gaf.com](mailto:AIS@gaf.com).

\*See applicable GAF roof guarantee for complete coverage and restrictions.  
\*\*Guarantees of 30 and 35 years do not qualify for WellRoof® Guarantee Extension.

## Regional Sales Offices

For the location of the closest GAF distributor or factory-certified contractor, call the nearest GAF regional office.

### Central

900 S. Frontage Road, Suite 350  
Woodridge, IL 60517  
630-296-1980

### Northeast

700 Second Street, Suites C & D  
Swedesboro, NJ 08085  
856-241-0241

### Southeast

13361 N. 56th Street  
Tampa, FL 33617  
813-829-8880  
866-714-5350

### Southwest

14911 Quorum Dr., Suite 600  
Dallas, TX 75254  
972-851-0500

### West

11800 Industry Avenue  
Fontana, CA 92337  
951-360-4200  
800-445-9330

## Canada Sales Office

855-492-8085

## Service Contacts

### TECHNICAL SERVICES AND GUARANTEE SERVICES

1-800-ROOF-411  
(1-800-766-3411)

### INTERNATIONAL SALES

1-800-555-1852

### ARCHITECTS AND SPECIFIERS

1-800-522-9224



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

[gaf.com](http://gaf.com)