

Commercial Full Line Brochure

Updated: 3/11



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

www.gaf.com

The GAF logo consists of the letters "GAF" in a bold, white, sans-serif font, centered within a solid red square. A registered trademark symbol (®) is located at the top right corner of the square.

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

Roofing System Solutions

• Membranes • Insulation • Accessories

- Quick Guide To GAF Roofing Systems
- GAFGLAS® Built-Up Roofing (BUR)
- RUBEROID® Modified Bitumen Roofing
- GAF CompositeRoof® Systems
- EVERGUARD® Thermoplastic Systems
- TOPCOAT® Roof Restoration Systems
- Roof Insulation
- Roofing Accessories

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There's A GAF Roofing System

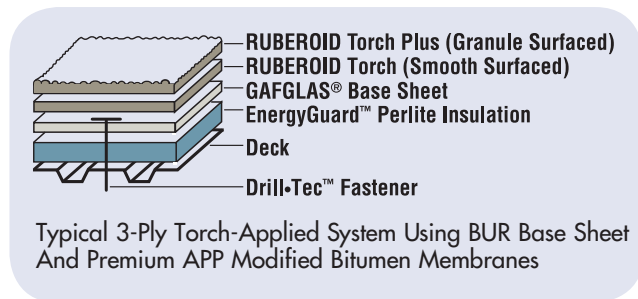
Desired Characteristic	Typical Applications	TPO (EverGuard®)			TPO (Freedom™)	PVC (EverGuard®)	
		fully adhered	mechanically attached	ballasted	self-adhering heat-welded	fully adhered	mechanically attached
Multi-Layered Membrane Protection	Hospitals, telecom, police, fire, computer installations	N/A	N/A	N/A	N/A	N/A	N/A
Flexes To Conform To Roof Movement	Warehouses, distribution centers, shopping centers	VG	E	E	VG	VG	E
Low Maintenance	Hospitals, telecom, police, fire, computer installations	E	E	VG	E	E	E
Light Reflective For Energy Savings	Hot climates, small business, institutional, government buildings	E	E	G	E	E	E
Puncture/Leak Resistant	Hospitals, telecom, police, fire, computer	VG	VG	VG	VG	VG	VG
Easy To Repair After Installation	All informed owners seek this characteristic	E	E	P	E	E	E
Heat Welded, Self-Adhered, Torched, Cold-Applied, Or Mopped Seam Strength	Hospitals, telecom, police, fire, computer	E	E	E	E	E	E
Grease/Oil/Chemical Resistant¹	Manufacturing, hospitals, food processing, restaurants	E	E	VG	E	E	E
Can Be Installed In Cold Weather	Buildings located in cold climates	G ⁴	VG	VG	P	G ⁴	VG

E = Excellent **VG** = Very Good **G** = Good **P** = Poor
 (Ratings based on GAF estimates and contractor interviews)

¹See GAF Guarantee for specific exclusions
²Rating is for solvent-based products only
³Requires the use of EnergyCap™ Products
⁴May 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 FR, RUBEROID Mop FR, RUBEROID SBS Heat-Weld Plus FR membrane.

Now available in an ENERGY STAR® qualified*, CRRC listed version, EnergyCap™ 30FR and EnergyCap™

APP FR combine the proven performance of Ruberoid membranes with EnergyCote™, a pre-applied premium reflective Topcoat® white elastomeric coating.

For standard applications, new or retrofit, as well as flashing and repairs to existing builtup roofs, GAF offers its proven RUBEROID Torch membranes (smooth or granule surfaced), RUBEROID Mop membranes (hot or cold applied), or RUBEROID SBS Heat-Weld membranes (heat weldable).

For a two-ply modified bitumen system that is durable and economical, specify RUBEROID 20/30FR (fiberglass reinforced membrane).

* ENERGY STAR® only valid in the USA.

For Virtually Every Application...

Our Best TriPositeXL™ (EverGuard®)		Asphalt Composite (CompositeRoof®)		Modified Bitumen (Ruberoid®/Liberty™)				Built-Up Roofing (GAFGLAS®)			Roof Restoration (TOPCOAT®)	
TPU TriPositeXL™	PVC TriPositeXL™	torch	mop	Liberty self-adhered	torch	mop	cold-applied	coned	mineral surface	grovel	for metal roofs	for low-slope roofs
E	E	E	E	VG	VG	VG	VG	E	E	E	N/A	N/A
VG	VG	VG	VG	VG	VG	VG	VG	G	G	G	E	E
E	E	E	E	VG	E	E	E	G	VG	E	E	E
E	E	E³	E³	G	E³	E³	G	E	E³	G	E	E
E	E	E	E	VG	VG	VG	VG	VG	VG	VG	VG	G
E	E	E	E	E	E	E	E	VG	VG	G	E	E
E	E	E	E	VG	E	E	E	E	E	E	N/A	N/A
E	E	G	G	G	G	G	G	G	G	G	VG	VG
G	G	G	G	P	E	G	G	G	G	G	VG²	G

RUBEROID® Modified Bitumen Membrane Selection Guide

APP

RUBEROID Torch (Smooth)	◆	15	0.8	153	P	◆	◆	◆	◆	◆	◆	◆
RUBEROID Torch (Granule)	◆	15	1.0	160	PP	◆	◆	◆	◆	◆	◆	◆
RUBEROID Torch FR (Granule)	◆	20	1.2	197	PP	◆	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap Torch Plus FR (Granule)	◆	20	1.5	197	PP	◆	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap Torch FR (Granule)	◆	15	1.0	160	P	◆	◆	◆	◆	◆	◆	◆

SBS

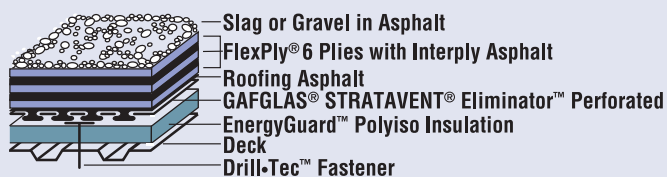
RUBEROID Mop (Granule)	◆	◆	15	1.0	140	P	◆	◆	◆	◆	◆	◆
RUBEROID Mop (Smooth) 1.5	◆	◆	20	0.9	090	P	◆	◆	◆	◆	◆	◆
RUBEROID Mop 170 FR (Granule)	◆	◆	15	1.0	155	P	◆	◆	◆	◆	◆	◆
RUBEROID Mop FR (Granule)	◆	◆	20	1.0	155	PP	◆	◆	◆	◆	◆	◆
RUBEROID 20 (Smooth)	◆	◆	15	0.6	085	F	◆	◆	◆	◆	◆	◆
RUBEROID 30 FR (Granule)	◆	◆	15	0.9	140	F	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap 30 FR (Granule)	◆	◆	15	1.0	140	F	◆	◆	◆	Pending	◆	◆
RUBEROID Dual Smooth	◆	◆	20	1.0	138	PP	◆	◆	◆	◆	◆	◆
RUBEROID Dual FR	◆	◆	20	1.0	164	P/F	◆	◆	◆	◆	◆	◆
RUBEROID Ultraclad™ Flashing (Metal Foil)	◆	◆	20	1.0	160	F(scrim)	◆	◆	◆	◆	◆	◆
RUBEROID Modified Base Sheet (Smooth)	◆	◆	20	0.2	60	F	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld (Granule)	◆	◆	15	1.0	165	P	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld (Smooth)	◆	◆	20	1.0	165	P	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld 170 FR (Granule)	◆	◆	15	1.0	160	P	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld Plus FR (Granule)	◆	◆	20	1.0	165	PP	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap SBS Heat-Weld Plus FR	◆	◆	20	1.0	165	PP	◆	Pending	◆	◆	◆	◆

	Mop Applied	Torch Applied	Cold Applied	Maximum Available Guarantee (yrs.)	Membrane Weight ¹ (lb./sq ft)	Membrane Thickness	Max [P/(Polyester) F/(Fiberglass)]	UL Approval ²	FM Approvals ³	FBC	TDI	Dade County Approval	ICC	ENERGY STAR® Title 24 Compliant	ASTM
RUBEROID Torch (Smooth)	◆	◆	◆	15	0.8	153	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Torch (Granule)	◆	◆	◆	15	1.0	160	PP	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Torch FR (Granule)	◆	◆	◆	20	1.2	197	PP	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap Torch Plus FR (Granule)	◆	◆	◆	20	1.5	197	PP	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap Torch FR (Granule)	◆	◆	◆	15	1.0	160	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Mop (Granule)	◆	◆	◆	15	1.0	140	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Mop (Smooth) 1.5	◆	◆	◆	20	0.9	090	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Mop 170 FR (Granule)	◆	◆	◆	15	1.0	155	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Mop FR (Granule)	◆	◆	◆	20	1.0	155	PP	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID 20 (Smooth)	◆	◆	◆	15	0.6	085	F	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID 30 FR (Granule)	◆	◆	◆	15	0.9	140	F	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap 30 FR (Granule)	◆	◆	◆	15	1.0	140	F	◆	◆	◆	Pending	◆	◆	◆	◆
RUBEROID Dual Smooth	◆	◆	◆	20	1.0	138	PP	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Dual FR	◆	◆	◆	20	1.0	164	P/F	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Ultraclad™ Flashing (Metal Foil)	◆	◆	◆	20	1.0	160	F(scrim)	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID Modified Base Sheet (Smooth)	◆	◆	◆	20	0.2	60	F	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld (Granule)	◆	◆	◆	15	1.0	165	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld (Smooth)	◆	◆	◆	20	1.0	165	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld 170 FR (Granule)	◆	◆	◆	15	1.0	160	P	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID SBS Heat-Weld Plus FR (Granule)	◆	◆	◆	20	1.0	165	PP	◆	◆	◆	◆	◆	◆	◆	◆
RUBEROID EnergyCap SBS Heat-Weld Plus FR	◆	◆	◆	20	1.0	165	PP	◆	Pending	◆	◆	◆	◆	◆	◆

¹ All figures are approximate.
² Refer to current GAF Application and Specifications Manual or UL Directory for specific approvals.
³ Refer to current GAF Application and Specifications Manual or FM Approval Guide for specific approvals.

GAFGLAS® BUR

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



Typical 4-Ply Premium System With STRATAVENT® Eliminator, FlexPly 6, Flood Coat And Gravel

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 an FM uplift rating up to Class 1-720 when solidly mopped to a primed, insulated structural concrete deck:

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

GAFGLAS® Built-Up Roofing Materials Selection Guide

	Maximum Available Guarantee (yrs)	Weight ¹ (lbs/sq ft)	Sqs/roll ¹	Surface	ASTM Spec(s)	UL Approval ²	FM Approval ³	Dade County Approved	FBC	TDI	ICC	New York City MEA ENERGY STAR®/Title 24 Compliant
BASE SHEETS												
GAFGLAS #75 Base Sheet	20	0.20	3	Smooth	D4601	◆	◆	◆	◆	◆	◆	
GAFGLAS #80 Ultima™ Base Sheet	20	0.33	2	Smooth	D4601	◆	◆	◆	◆	◆	◆	
GAFGLAS Stratavent® Eliminator™ Nailable Base Sheet	20	0.58	1.25	Granule (back)	D4897, D3672	◆	◆	◆	◆	◆	◆	
GAFGLAS Stratavent® Eliminator™ Perforated Base Sheet	20	0.52	1.25	Granule (back)	D4897, D3672	◆	◆	◆	◆		◆	
PLY SHEETS												
GAFGLAS Ply 4	12	0.065	5	Smooth	D2178 (Type IV)	◆	◆	◆	◆	◆	◆	◆
GAFGLAS FlexPly® 6	20	0.069	5	Smooth	D2178 (Type VI)	◆	◆	◆	◆	◆	◆	◆
SURFACE SHEETS												
GAFGLAS Mineral Surfaced GAFGLAS Cap Sheet	20	0.503	1	Granule	D3909	◆	◆	◆	◆			
EnergyCap BUR Mineral Surfaced Cap Sheet	20	0.503	1	Granule	D3909, C1549 E408	◆	◆	◆	Pending			◆

¹All weights and sizes are approximate. ²Refer to current GAF Application and Specifications Manual or UL Directory for specific approvals. ³Refer to current GAF Application and Specifications Manual or FM Directory for specific approvals.

GAFGLAS base sheets...offer solutions for every application:

- GAFGLAS® #75 Base Sheet for economical applications
- GAFGLAS® #80 Ultima™ Base Sheet features a heavy-weight construction that is ideal for all premium roofing and flashing systems
- GAFGLAS® STRATAVENT® Eliminator™ Base Sheets suitable for new and reroof applications when a venting base sheet is needed. UL Class A requirements (STRATAVENT Eliminator™ Nailable base sheet and STRATAVENT Eliminator™ Perforated)

GAFGLAS Mineral Surfaced Cap Sheet...

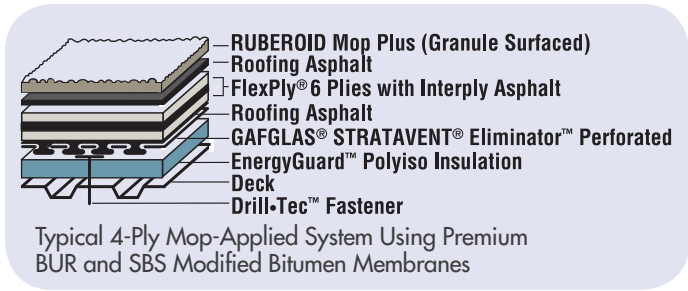
Surfacing options:

- 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 surface cap sheet with a pre-applied, highly reflective coating of EnergyCote™ elastomeric coating for the highly reflective membranes required of California's Title 24

GAF CompositeRoof® Systems



“GAF CompositeRoof® systems exhibit exceptional strain energy for long-lasting, reliable roofing system performance”



For example, Specification I-2-1-MGP provides more than 10 times the elongation at 0°F of typical built-up roofing.

Exceptional strain energy...GAF CompositeRoof systems far exceed either BUR or modified bitumen systems in strain energy, one of the most advanced measures of mechanical performance. This combines the measurement of tensile strength and elongation in a single parameter to indicate whether a roof system has the tensile strength necessary to withstand normal roof stresses and the elastomeric properties to accommodate normal building movement.

Include RUBEROID® EnergyCap™ in your CompositeRoof and achieve an ENERGY STAR® qualified, CRRC qualified system with proven performance of a GAF CompositeRoof system.

The strength of BUR, the flexibility of modified bitumen...GAF continues its tradition of innovation with GAF CompositeRoof® systems, the next generation in roofing. CompositeRoof systems:

- combine the strength of premium GAFGLAS® built-up roofs with the elongation and flexibility of RUBEROID® modified bitumen membranes
- Exhibit tensile strengths up to 300 lbf/in and strain energies as high as 70 lbf-in/in² at 0°F!

Every GAF CompositeRoof system includes at least:

- one ply of premium GAFGLAS BUR plies for strength
- three total layers of roofing plies/membranes for system redundancy and long-term reliability
- the use of at least one layer of polyester-reinforced RUBEROID modified bitumen membrane ensures superior flexibility and elongation characteristics

Typical Strain Energy Chart

SYSTEM	(lbf-inch/inch ² @0°F)
GAF CompositeRoof® systems	45
4 plies of Type VI fiberglass	9
2 plies fiberglass-reinforced mop-applied MB membranes	5
Base Sheet and torch-applied MB Membrane	12



EVERGUARD® Single-Ply Roofing Systems

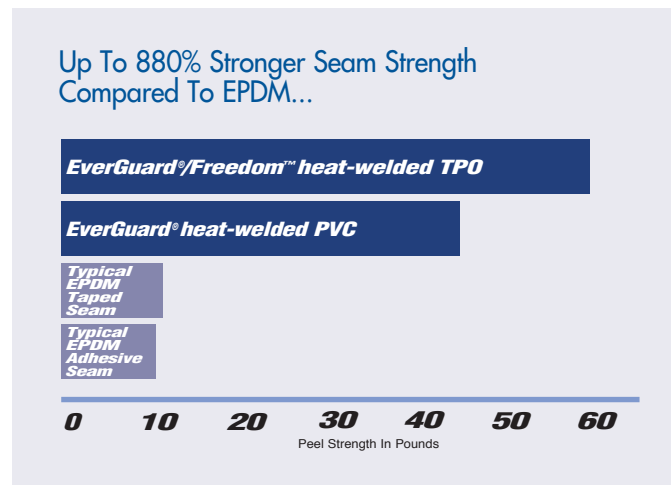
“EverGuard Systems are your best and safest choice in single ply roofing”

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

Freedom™ Self-adhering TPO membranes with RapidSeam™ technology combine the superiority of EverGuard TPO membrane with a factory-applied adhesive. “RapidSeam™” technology has taken self-adhered membranes to the next level, offering a 6” self-adhering seam, providing factory applied adhesive for superior strength.

Freedom™ HW combines the convenience of self-adhered membranes with a traditional heat welded seam, so where heat-welded seams are desired, both Freedom HW and EverGuard TPO can now be considered.

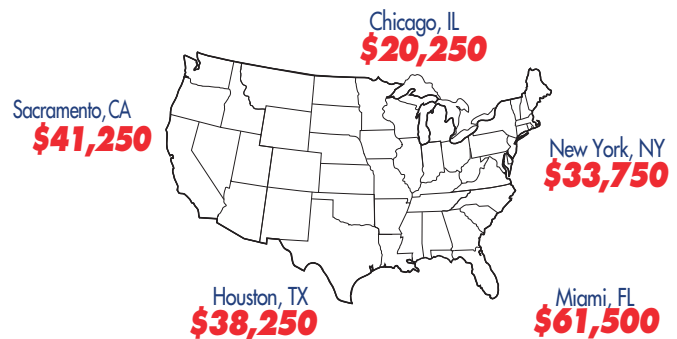


When You Figure In The Hidden Energy Savings, White EverGuard® TPO And PVC Systems Significantly Reduce Your Roofing Life Cycle Costs!

With a lifetime average solar reflectance of 65%, EverGuard® and 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 \$55,000 or more, depending on where your facility is located (see below). 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 Freedom™ TPO or PVC roof instead?” Depending on your location, **an energy-saving EverGuard TPO or PVC roof could offset as much as 30, 40, 50% or more of the original cost to install the roof!**

Total Estimated Energy Savings Of A 500 Square EverGuard® Or Freedom™ TPO Or PVC Roof Over 15 Years

(Based on data from Oak Ridge National Laboratory, U.S. Dept. of Energy; assumes R-value of 12.5)



To calculate the savings in other cities, visit the Oak Ridge web site at: www.ornl.gov/sci/roofs+walls/facts/CoolCalcEnergy.htm

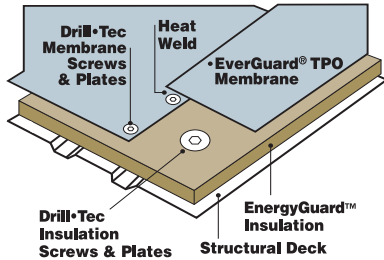
* Energy savings estimates are based on energy and fuel cost data provided by ORNL web site at the time of print and does not take into consideration energy cost fluctuations over time. Assumptions used in the savings calculations include: R-value of 19; infrared emittance of 90; COP of 2; solar reflectance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

EVERGUARD® & Freedom™ TPO System Details

“Solutions for superior performance and value”



MECHANICALLY ATTACHED (In-lap Attachment)



Advantages

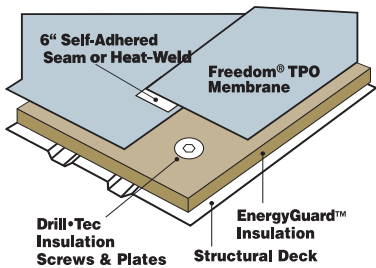
- Lightweight
- Low Cost
- Flexible Application

Membrane Type

- TPO-45, TPO-60, TPO-80; Polyester scrim-reinforced smooth-faced membrane
- TPO FB-450 Ultra, FB-600 Ultra, FB-800 Ultra; Polyester scrim-reinforced fleece-backed membrane

Maximum Guarantee	Insulation	Intended Application
20 Years	YES	New and Tearoff
10 Years (15 Yrs with written approval)	YES	Recover
15 Years (20 Yrs with written approval)	NO	New and Tearoff
10 Years (15 Yrs with written approval)	NO	Recover

SELF ADHERED FACTORY-APPLIED BUTYL ADHESIVE OR HEAT-WELD



Advantages

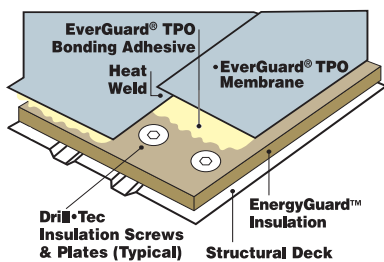
- Lightweight
- Flexible Application
- Excellent wind resistance

Membrane Type

- Freedom™ SA with RapidSeam™ 045, 060, 080
- Freedom HW 045, 060, 080

Maximum Guarantee	Insulation	Intended Application
20 Years	YES	New and Tearoff
10 Years (15 Yrs with written approval)	YES	Recover
15 Years (20 Yrs with written approval)	NO	New and Tearoff
10 Years (15 Yrs with written approval)	NO	Recover

FULLY ADHERED (Bonding Adhesive)



Advantages

- Lightweight
- Low To Moderate Cost
- Enhanced Wind Resistance

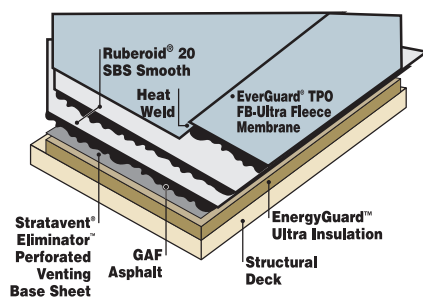
Membrane Type

- TPO-45, TPO-60, TPO-80; Polyester scrim-reinforced smooth-faced membrane with pre-applied butyl adhesive
- TPO FB-450 Ultra, FB-600 Ultra, FB-800 Ultra; Polyester scrim-reinforced fleece-backed membrane

Maximum Guarantee	Insulation	Intended Application
20 Years	YES	New and Tearoff
10 Years (15 Yrs with written approval)	YES	Recover
15 Years (20 Yrs with written approval)	NO	New and Tearoff
10 Years (15 Yrs with written approval)	NO	Recover

Our Best

TriPositeXL™ (Adhered System with Bituminous Assembly)



Advantages

- High Strength
- Durable, Redundant Assembly
- Long-Term Value
- Recover Systems Available

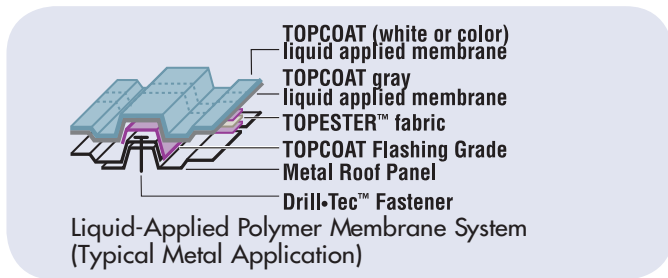
Membrane Type

- TPO FB-450 Ultra, FB-600 Ultra, FB-800 Ultra; Polyester scrim-reinforced fleece-backed membrane

Maximum Guarantee	Insulation	Intended Application
25 Years	NO	New and Tearoff
25 Years	NO	New and Tearoff
25 Years	YES	New and Tearoff
25 Years	YES	New and Tearoff

TOPCOAT® SeamFree™ Roof Restoration Systems

“Protects and maintains new roofing systems & restores deteriorating low-slope roofs”



Superior, SeamFree™ Protection... Originally designed specifically for the renovation and waterproofing of existing metal roofing, the TOPCOAT® system is one of today's most advanced—and most relied upon—roofing restoration systems. TOPCOAT® now offers a full line of membrane systems to restore most existing low-slope roof types, including BUR, modified bitumen, and EPDM. TOPCOAT is a liquid-applied synthetic rubber, installed in several stages to form a flexible, SeamFree™ membrane over the entire roof. It “UV-cures” as it protects, is fully adhered to the existing roof surface, is highly elastic, and bonds tightly to most substrates:

- Stays flexible to -30°F after curing
- Standard reflective white can reduce roof surface temperatures up to 75°F
- Available in 16 standard colors and unlimited custom colors
- Backed by a comprehensive system warranty up to 20 years on metal roofs

It's the premier solution for the most complex and demanding installations:

- Innovative SeamFree™ construction means no laps to separate or cause leakage
- Exceptional flexibility and value
- A new solution for the protection of new roofs and the problem of aging roofs

The Industry Standard... TOPCOAT has become the industry leader through strict and consistent adherence to the highest quality standards. Our chemists work closely with research and testing facilities, such as Factory Mutual and Underwriters Laboratories, to develop standards for the retrofit of metal and low-slope roofing. In addition, our sales and technical teams have been trained, not only in every detail of the TOPCOAT system, but in the construction of roof restoration systems as well.

Nationally, the TOPCOAT Roofing System is installed by a network of trained professional roofing contractors.

TOPCOAT Systems Reduce Your Roofing Life Cycle Costs...

An effective roof maintenance program combined with a TOPCOAT restoration system can greatly reduce life cycle costs for most roofing systems. In fact, up to 43% of deteriorating low-slope roofs can be saved using a TOPCOAT system—rather than tearing off and replacing the old roof.

Energy Savings... Several independent testing facilities agree that a long-term reflective roof can decrease cooling costs by as much as 21% per year, or more! TOPCOAT is an ENERGY STAR® qualified product, Title 24 Compliant and meets the stringent standards set by the Cool Roof Rating Councilsm for solar reflectance and thermal emittance.

TOPCOAT's ENERGY STAR® Compliant Roof Membrane is rated as providing an initial reflectivity of >85% and 3-year studies show that the TOPCOAT membrane exceeds the ENERGY STAR® program's minimum reflectivity by over 40%—thereby reducing the surface temperature of a roof by as much as 75°F when compared to a typical black low slope roof. TOPCOAT's exceptional resistance to dirt pick-up, combined with regular standard roof maintenance, will ensure a highly reflective surface for the life of the roof system.

FireShield® Roof Restoration System... The only way to get maximum fire protection and energy savings instantly. FireShield®'s patent-pending technology is formulated to provide maximum fire protection, increase a roof's reflectivity and protect the roof substrate from harmful ultraviolet rays. Building fires cause property damage in excess of \$12 billion and claim the lives of more than 3,000 innocent victims annually.* Regrettably, combustible roofing systems play a part in these tragedies. As North America's largest roofing manufacturer, we take fire safety seriously. That's why we've developed FireShield®, the first “self-extinguishing” roof restoration system. Special fire resistant ingredients in the product react with heat and fire causing a chemical reaction to occur. A non-combustible carbon char layer is formed that retards the flame propagation by reducing available oxygen. A single application of FireShield® Elastomeric Membrane will provide superior fire protection while converting the existing roof into a clean, white, energy-saving investment. FireShield® meets the stringent standards set by the Cool Roof Rating Councilsm for solar reflectance and thermal emittance.

* Source: National Fire Protection Association and USFA, 2003 data.

For More Information About Cool Roof Products,
Visit Cool Roof Central™ at www.gaf.com

Visit www.TOPCOAT.com



ENERGY STAR® only
valid in the USA

**Title 24
Compliant**

GAF Roof Insulation Products



"Economy and exceptional thermal performance for all types of roofing systems"

EnergyGuard™ Perlite Insulation & Recover Board... provides economy, thermal performance, and maximum substrate toughness for BUR and modified bitumen systems

EnergyGuard™ Perlite Tapered Products... factory-fabricated tapered roof insulations provide cost-effective designs for positive drainage

EnergyGuard™ Polyiso & Tapered Polyiso... highly efficient isocyanurate insulations combine high R-value and low installed cost with the ability to provide positive drainage

EnergyGuard™ Polyiso Composite Board... combines the excellent insulating qualities of isocyanurate foam with the strong surface characteristics of high density perlite

GAF Roof System Insulation Compatibility Guide

Product	Composition	Built-Up Roofing	Modified Bitumen	Fully Adhered Single Ply	Mechanically-Attached Single Ply	Ballasted Single Ply
EnergyGuard™ Perlite Insulation						
Flat	Perlite	◆	◆	◆	◆	
Tapered	Perlite	◆	◆	◆	◆	
Recover	Perlite	◆	◆	◆	◆	
Cant/Edge	Perlite	◆	◆			
EnergyGuard™ Ultra Polyiso						
Flat	Isocyanurate foam with glass facer	◆ ¹	◆ ¹	◆	◆	◆
Tapered	Isocyanurate foam with glass facer	◆ ¹	◆ ¹	◆	◆	◆
Recover	Isocyanurate foam with glass facer	◆ ¹	◆ ¹	◆	◆	◆
EnergyGuard™ Polyiso						
Flat	Isocyanurate foam with organic/glass facer	◆ ¹	◆ ¹	◆	◆	◆
Tapered	Isocyanurate foam with organic/glass facer	◆ ¹	◆ ¹	◆	◆	◆
Recover	Isocyanurate foam with organic/glass facer	◆ ¹	◆ ¹	◆	◆	◆
EnergyGuard™ Polyiso Composite						
Flat	Isocyanurate foam, perlite and organic/glass facer	◆	◆	◆ ²	◆	◆
Tapered	Isocyanurate foam, perlite and organic/glass facer	◆	◆	◆ ²	◆	◆

For technical information, visit our website at www.gaf.com or call 1-800-ROOF-411 (1-800-766-3411)

¹Some membrane systems may require a cover board or the use of Stratavent® Eliminator™ Perforated Base Sheet. Check with membrane supplier for code and warranty requirements.

²Must install Poly 130 side up. Check with membrane supplier for specific code and warranty requirements.

Roofing Accessories

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

Your Single Source For Roofing...GAF offers an extensive array of accessories to meet virtually any design and construction requirement. All GAF roofing accessories feature the latest advances in construction detail solutions.

When properly installed, these products are designed for compatibility with GAF roofing systems (as well as other manufacturers' systems) and comply with most codes and standards for commercial and institutional construction.

Metalastic® Expansion Joint Covers

“Eliminates up to 90% of all field splices, reduces seam failures, and saves labor too!”

Field splices are one of the most notorious leak sites on the roof. 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. Reduces the contractor's installation labor by up to 64%, thereby reducing overall installed cost.



Splice Failure on Competitor's product



Metalastic® cover in continuous length run



CMF Style
Curb-to-Curb
style expansion
joint profiles



CTW Style
Curb-to-Wall
style expansion
joint profiles



SMF Style
Cant-to-Cant,
or Cant-to-Wall
expansion joint profiles



LP Style
Low Cant-to-Cant or
Cant-to-Wall expansion
joint profiles

M-Weld® Pre-Flashed Drainage & Moisture Control Accessories

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

M-Weld Pre-Flashed 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). Available for use in a variety of different roofing applications, Pre-Flashed accessories include:

- Vents...Pre-Flashed standard vents and pre-flashed one-way vents
- Drains...Pre-Flashed drains (regular roof drains) and pre-flashed scuppers (through-wall drains)
- Penetrations...Pre-Flashed adjustable vents, pre-flashed plumbing vents, and M-Curbs, which are structural urethane outer shells bonded to the roof surface and filled with 2" thick urethane rubber sealant



Standard
MVent



Adjustable
MVent



Drain
Insert



M-Curb
System



On Way
MVent

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
- Require Drill•Tec fasteners

Asbestos-Free Adhesives, Cements & Coatings

“Asbestos-free formulations are your safest choice”

GAF offers a complete line of premium, asbestos-free modified adhesives, cements and coatings. Specially formulated for use with RUBEROID® cold-applied SBS modified bitumen membranes and other GAF systems, TOPCOAT® Matrix™ SBS Adhesive and SBS Flashing Cement are compatible with SBS membranes from most other manufacturers as well.

- 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 TOPCOAT® Matrix™ SBS Flashing Cement and SBS Adhesives.
- Unlike lower cost coatings, TOPCOAT® Matrix™ products include a complete SeamFree™ membrane system that restores your roof, provides energy saving reflectivity and is backed by comprehensive warranties.

Cements:

- 201 Premium SBS Flashing Cement
- 202 SBS Flashing Cement
- 203 Plastic Roof Cement
- 204 Wet/Dry Roof Cement

Adhesives:

- 102 SBS Membrane Adhesive
- 103 Cold Process Adhesive

Coatings:

- 303 Premium Fibered Aluminum Roof Coating
- 304 Non-Fibered Aluminum Roof Coating
- 305 Fibered Asphalt Emulsion
- 306 Non-Fibered Asphalt Emulsion
- 307 Premium Asphalt Primer
- 322 Elastomeric Roofing Coating



ENERGY STAR®
only valid
in the USA

**Title 24
Compliant**

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
- Permate 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



Metal Edge Flashing



Black/White Flashing

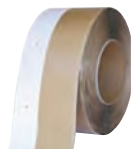


Reinforced (RF) Flashing

EverGuard® Pre-Fabricated Accessories

“Boost productivity up to 200%, reduce total installed cost by up to 25%, and eliminate common problems often associated with field fabricated details”

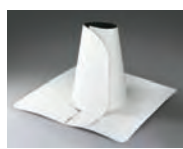
EverGuard® TPO Pre-Fabricated Accessories



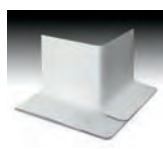
RTA Strip



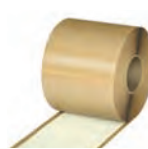
Fluted Corner



Split Pipe Boot



Corner Curb Wrap



Cover Tape



Expansion Joint



Standing Seam Profile

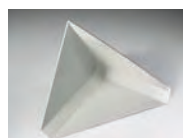
EverGuard® PVC Pre-Fabricated Accessories



Pipe Boot



Pitch Pocket



Inside Corner



Fluted Outside Corner



T-Joint Patch

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

Superior Guarantees for Quality Systems

Years of proven quality allow GAF Materials Corporation to offer roofing system guarantees on Modified Bitumen, Built-Up Roofing, GAF CompositeRoof®, EverGuard®, and Topcoat® Roofing Systems. GAF Diamond Pledge No-Dollar-Limit (NDL) and System Pledge guarantees are available from 10 years up to 20 years. Material-only warranties are also available on GAF products. Guarantee extensions of up to 25% are available with GAF Well Roof™ Advantage Maintenance Program. 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 importantly—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.

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

GAF's 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.

GAF's Contractor 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 www.gaf.com or call our toll free **Technical Hot Line, 1-800-ROOF-411**.



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

Regional Offices

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

Central

Woodridge, IL 60517
900 S. Frontage Road, Suite 350
630-296-1980
850-847-0841

Eastern

Swedesboro, NJ 08085
700 Second Street, Suite C
856-241-0241

Southeast

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

Southwest

Dallas, TX 75254
14911 Quorum Dr, Ste 600
972-851-0400

West

Fontana, CA 92335
11800 Industry Avenue
951-360-4200
800-445-9330

Technical Services Office

Wayne, NJ 07470
1361 Alps Road
1-800-ROOF-411
(1-800-766-3411)

GUARANTEE STATUS

1-800-ROOF-411

INTERNATIONAL SALES

1-800-555-1852

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