

Heat-Welded Roofing (COMGN292)

Updated: 1/17



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

ROOFING ACCESSORIES

ADHESIVES, PRIMERS & SEALANTS

GAF offers a complete line of premium, asbestos-free modified adhesives and cements. Whether installing a new membrane or repairing flashings around openings and penetrations, our products offer performance that is durable and cost effective. Refer to the Technical Data Sheet for specific application usage and instructions.

Cold-Applied Adhesives



Matrix™ 101 Premium SBS Membrane Adhesive
Matrix™ 102 SBS Membrane Adhesive

Patching & Repair Cement



Matrix™ 201 Premium SBS Flashing Cement
Matrix™ 202 SBS Flashing Cement
Matrix™ 204 Wet/Dry Roof Cement
Matrix™ 220 Two-Part Flashing Cement

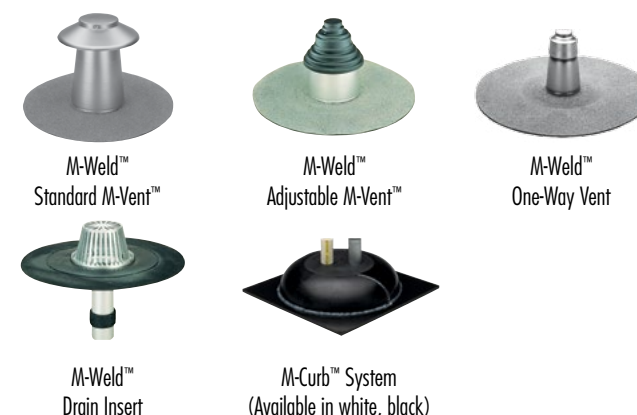
Roof Primers & Sealants



Matrix™ 307 Premium Asphalt Primer
M-Thane™ One-Part Pourable Sealant (white)
M-Thane™ Two-Part Sealant (black)
M-Bond™ Adhesive/Sealant

FLASHING ACCESSORIES

GAF offers factory-built flashing accessories to complement asphaltic roofing systems. They are available for use with SBS or APP smooth or granule surface, and provide a professional, clean finish to roofing jobs.



M-Weld™ Standard M-Vent™
M-Weld™ Adjustable M-Vent™
M-Weld™ One-Way Vent™
M-Weld™ Drain Insert
M-Curb™ System (Available in white, black)

EXPANSION JOINT COVERS

GAF has designed the most flexible group of expansion joint covers in the industry. Metalastic® Expansion Joint Covers eliminate splice joints every 10' (3.05 m) and promote trouble-free roofing system performance. Available in four standard types.



Curb-to-Curb (CMF) Style
Curb-to-Wall (CTW) Style
Cant-to-Cant (SMF) Style
Low Cant-to-Cant (LP) Style

GAF ROOF GUARANTEE PROGRAM

GAF offers an extensive selection of roof guarantees to meet the needs of most building owners. The following guarantees are available for use with selected GAFGLAS®, RUBEROID®, and LIBERTY™ Roof Systems when installed by an eligible GAF factory-certified contractor. Contact GAF Technical Services for additional information and specific guarantee requirements.

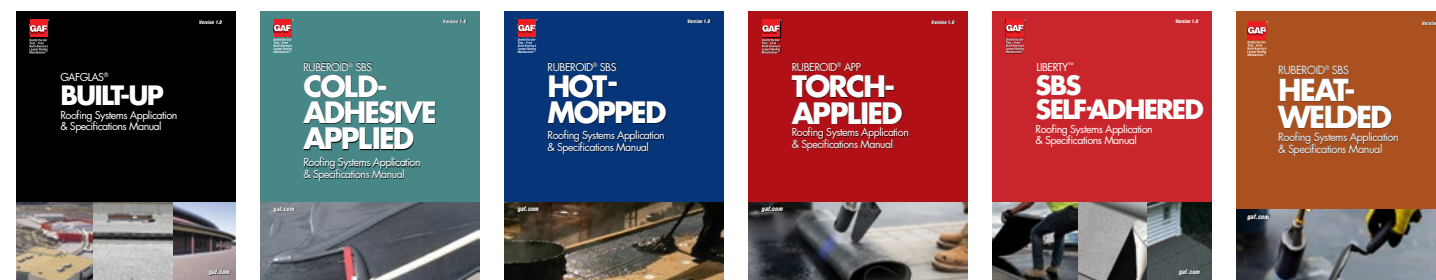
GAF Roof Guarantee Type	Coverage	Term
All-American Pledge™ Steep- and Low-Slope Roof Guarantee	NDL	5 to 20 Years
GAF Diamond Pledge™ NDL Roof Guarantee	NDL	5 to 20 Years
GAF System Pledge™ Roof Guarantee	Specified \$ per square	5 to 20 Years
WellRoof® Guarantee Extension*	Extends Diamond Pledge™ Coverage	25% longer term

*A program that encourages property owners to utilize an annual maintenance agreement; when certain requirements are met, GAF will extend its Diamond Pledge™ NDL Guarantee by 25%. Contact Technical Services at 1-800-766-3411 for qualifying specifications and detailed information. All work must be completed by a GAF Certified Maintenance Professional (CMP). See WellRoof® Guarantee Extension for complete coverage and restrictions.

Restoration/Extension/Limited Material Warranties and Guarantees**	Coverage	Term
Weather Stopper® Integrated System Limited Warranty	NDL	5 to 20 Years

**Contact GAF Technical Services for additional information and guarantee requirements.

Refer to these manuals for application and systems specifications and system guarantees, available at gaf.com. For further information, contact Technical Services at 1-800-ROOF-411 (1-800-766-3411).



HEAT-WELDED

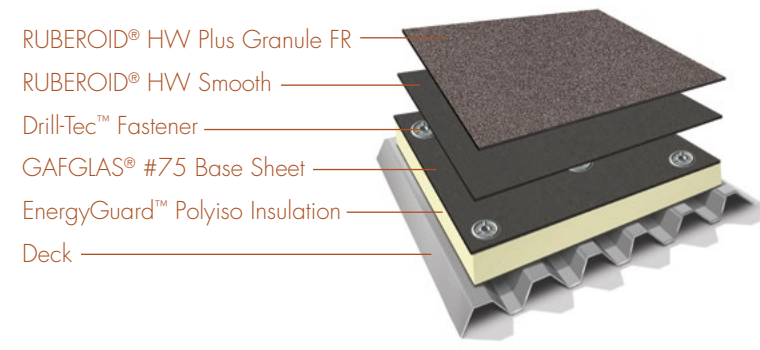
Roofing Systems Product Catalog



HEAT-WELDED MODIFIED BITUMEN

Modified bitumen systems provide the features of a BUR system without the need to apply multiple plies to achieve a layered system. Modified bitumen systems are composed of a base sheet and a cap sheet that can be either granule or smooth. They were designed to reduce labor requirements for installation and have become increasingly popular over BUR system applications.

Styrene Butadiene Styrene (SBS) promises increased flexibility and stronger expansion and contraction capabilities in cold weather—with the added benefit of its low maintenance. This type of membrane provides a multi-layered approach to low-slope roofing with different membranes and is applicable with hot asphalt, cold adhesive, or heat weld.



TYPICAL 3-PLY HEAT-WELDED SYSTEM WITH BUR BASE SHEET AND HEAT-WELDED SBS MODIFIED BITUMEN MEMBRANES

CHOOSING THE RIGHT ASPHALTIC ROOFING SYSTEM

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?

- = Top Performance
 - = Excellent Performance
 - = Good Performance
 - = Not Recommended
- (Ratings based on GAF estimates and contractor interviews)

	SELF ADHERED	HOT MOPPED/ COLD APPLIED	HEAT WELDED	TORCH APPLIED	BUILT-UP ROOFING
	LIBERTY™ Self Adhered	RUBEROID® SBS RUBEROID® SBS RUBEROID® SBS RUBEROID® SBS	RUBEROID® HW RUBEROID® HW	RUBEROID® HW RUBEROID® HW	GAFGLAS® BUR
Desired Characteristic					
Multi-Layered Membrane Protection	●	●	●	●	●
Flexes To Conform To Normal Roof Movement	●	●	●	●	●
Low Maintenance	●	●	●	●	●
Light Reflective For Energy Savings	●	●	●	●	●
Puncture/Leak Resistant	●	●	●	●	●
Easy To Repair After Installation	●	●	●	●	●
Heat Welded, Self Adhered, Torched, Cold Applied, Or Mopped Seam Strength	●	●	●	●	●
Grease/Oil/Chemical Resistant ¹	●	●	●	●	●
Can Be Installed In Cool Weather	●	●	●	●	●
High Heat and UV Resistance	●	●	●	●	●
Maximum Guarantee Length In Years*	20	20 20	20	20	20

¹Note: For complete details, restrictions, requirements, terms, and conditions, please refer to official guarantee document and applicable GAF specification manual.
²See applicable GAF guarantee for specific exclusions. Requires the use of RUBEROID® EnergyCap® Products.

HEAT-WELDED SBS PRODUCTS

	BASE/INTERPLY SHEETS		CAP SHEETS					
Product	RUBEROID® HW 25 SMOOTH MEMBRANE	RUBEROID® HW SMOOTH MEMBRANE	RUBEROID® HW GRANULE MEMBRANE	RUBEROID® HW GRANULE FR MEMBRANE	RUBEROID® HW PLUS GRANULE MEMBRANE	RUBEROID® HW PLUS GRANULE FR MEMBRANE	UltraClad® SBS Foil-Faced Membrane	Product
Primary Application Method	Heat-Weld Applied	Heat-Weld Applied	Heat-Weld Applied	Heat-Weld Applied	Heat-Weld Applied	Heat-Weld Applied	Heat-Weld Applied	Primary Application Method
Advantages	<ul style="list-style-type: none"> Durable base sheet combines the strength of fiberglass reinforcement with the elongation characteristics of SBS modified asphalt Lightweight and available as a smooth surface Designed for new roofing and re-covering applications as well as in the construction of flashings 	<ul style="list-style-type: none"> Specially formulated modified asphalt gives lasting performance Resilient polyester mat core allows it to resist splits and tears due to its pliability and elongation characteristics Designed for new roofing and re-covering applications as well as in the construction of flashings 	<ul style="list-style-type: none"> Heat welding allows for kettle-free operation Specially formulated modified asphalt gives lasting performance Resilient polyester mat core allows it to resist splits and tears due to its pliability and elongation characteristics Available with granular surface: black, white 	<ul style="list-style-type: none"> No coatings required for Class A ratings from UL and FM Specially formulated modified asphalt gives lasting performance Resilient polyester mat core allows it to resist splits and tears due to its pliability and elongation characteristics Available with granular surface: black, white 	<ul style="list-style-type: none"> Specially formulated poly burn-off film allows for easy installation Heat welding allows for kettle-free operation Resilient polyester mat core allows it to resist splits and tears due to its pliability and elongation characteristics Available with granular surface: black, white 	<ul style="list-style-type: none"> No coatings required for Class A ratings from UL and FM Heat welding allows for kettle-free operation Specially formulated poly burn-off film allows for easy installation Strong, non-woven polyester mat core with inherently fire-retardant polymer modified asphalt gives lasting performance Available with granular surface: black, white 	<ul style="list-style-type: none"> Embossed metal surface provides energy-saving reflectivity and pleasing aesthetics SBS modifier provides flexibility for easy installation Used as a premium modified cap sheet in SBS modified or BUR system flashing 	Advantages
ASTM	D6163, Type I, Grade S	D6164, Type I, Grade S	D6164, Type I, Grade G	D6164, Type I, Grade G	D6164, Types I & II, Grade G	D6164, Types I & II, Grade G	D6298	ASTM
Applicable Standards	ICC ESR #1274 Miami-Dade County Product Control Approved State of Florida Approved UL/ULC Listed	FM Approved ICC ESR #1274 Miami-Dade County Product Control Approved State of Florida Approved UL/ULC Listed	ICC ESR #1274 Miami-Dade County Product Control Approved State of Florida Approved Texas Dept. of Insurance UL/ULC Listed	FM Approved ICC ESR #1274 Meets CGSB-37-GP-56M Miami-Dade County Product Control Approved State of Florida Approved Texas Dept. of Insurance UL/ULC Listed	FM Approved ICC ESR #1274 Miami-Dade County Product Control Approved State of Florida Approved UL/ULC Listed	FM Approved ICC ESR #1274 Miami-Dade County Product Control Approved State of Florida Approved UL/ULC Listed	UL Approved for Class A,B, or C roof systems	Applicable Standards
Guarantees ¹	System guarantees available for up to 20 years	System guarantees available for up to 20 years	Typical system guarantees available for up to 15 years; select system constructions available with up to 20-year guarantee coverage	Typical system guarantees available for up to 15 years; select system constructions available with up to 20-year guarantee coverage	System guarantees available for up to 20 years	System guarantees available for up to 20 years	Guarantees are available for up to 20 years	Guarantees ¹
Product Specifications	Roll Size: 1.5 squares (163.75 gross sq. ft.) (15.2 m ²) Roll Length: 49.2' (15 m) Roll Width: 39.375" (1.0 m) Approx Roll Weight: 105 lb. (47.6 kg)	Roll Size: 1 square (107.7 gross sq. ft.) (10.0 m ²) Roll Length: 32.6' (9.9 m) Roll Width: 39.625" (1.0 m) Approx Roll Weight: 104 lb. (47.2 kg) Product Thickness: 0.165" (4.2 mm)	Roll Size: 1 square (107.7 gross sq. ft.) (10.0 m ²) Roll Length: 32.6' (9.9 m) Roll Width: 39.625" (1.0 m) Approx Roll Weight: 104.4 lb. (47.4 kg) Product Thickness: 0.164" (4.17 mm)	Roll Size: 1 square (107.5 gross sq. ft.) (10.0 m ²) Roll Length: 32.6' (9.9 m) Roll Width: 39.625" (1.0 m) Approx Roll Weight: 104 lb. (47.2 kg) Product Thickness: 0.161" (4.1 mm)	Roll Size: 1 square (107.7 gross sq. ft.) (10.0 m ²) Roll Length: 32.6' (9.9 m) Roll Width: 39.625" (1.0 m) Approx Roll Weight: 105 lb. (47.6 kg) Product Thickness: 0.165" (4.2 mm)	Roll Size: 1 square (110.6 gross sq. ft.) (10.27 m ²) Roll Length: 33.4' (10.1 m) Roll Width: 39.375" (1.0 m) Approx Roll Weight: 101 lb. (45.8 kg) Product Thickness: 0.145" (3.7 mm)		Product Specifications

¹See applicable GAF guarantee for complete coverage and restrictions.

