

**GAF**

# Residential Reference Guide

The one-stop guide from North America's Largest Roofing Manufacturer



GAF shingles and roof accessories are made to work together. They provide a system that's built to protect homes—so the people who live inside them can enjoy what matters most.

**GAF**

We protect what matters most™



	LRS	Pages
Technology Index		3
GAF Lifetime <sup>†</sup> Roofing System LRS		4-5
GAF Shingles		6-19
<b>Timberline<sup>®</sup> Lifetime<sup>†</sup> Shingles Collection LRS</b>		
Timberline <sup>®</sup> HDZ™	●	8
Timberline <sup>®</sup> UHD	●	9
Timberline <sup>®</sup> NS	●	10
Timberline <sup>®</sup> AH	●	11
Timberline <sup>®</sup> CS	●	11
<b>Lifetime Designer Shingles<sup>®</sup> Collection LRS</b>		
Glenwood <sup>®</sup>	●	13
Grand Canyon <sup>®</sup>	●	13
Camelot <sup>®</sup> II	●	14
Grand Sequoia <sup>®</sup>	●	14
Woodland <sup>®</sup>	●	15
Slateline <sup>®</sup>	●	15
<b>SBS Modified IR Shingles Collection LRS</b>		
Timberline <sup>®</sup> AS II	●	16-17
Grand Sequoia <sup>®</sup> AS	●	16-17
<b>3-Tab Shingle Collection (Excluded from LRS)</b>		
Royal Sovereign <sup>®</sup>		18-19
Shingle Specifications Chart		20-21
<b>GAF Roofing Accessories LRS</b>		
Leak Barriers	●	23
Roof Deck Protection	●	24
Starter Strip Shingles	●	25
Cobra <sup>®</sup> Attic Ventilation	●	26
Ridge Cap Shingles	●	27
<b>Other Products</b>		
Master Flow <sup>®</sup> Ventilation Products		28
WeatherSide™ Fiber-Cement Siding		29
ThermaCal <sup>®</sup> Building Envelope Insulation Panels		30
LIBERTY™ Self-Adhering Roofing System		31



# Trust the diamonds

Whether it's warranty coverage that gives homeowners peace of mind or technology that makes their roof look and perform its best, there's a GAF diamond badge behind it.

	When used on qualifying shingles and accessories, a <b>Lifetime<sup>†</sup> Limited Warranty Term</b> offers the ultimate peace of mind.
	<b>GAF Advanced Protection<sup>®</sup> Shingle Technology</b> uses highly advanced design and manufacturing techniques to produce cutting-edge roofing products.
	<b>Dura Grip™ Adhesive</b> helps protect your roof investment from winds and wind-driven rain.
	<b>StainGuard Plus™ Algae Protection<sup>1</sup></b> featuring Time-Release Technology is a 25-year limited warranty against blue-green algae discoloration.
	<b>StainGuard<sup>®</sup> Algae Protection<sup>2</sup></b> is a 10-year limited warranty against blue-green algae discoloration.
	<b>LayerLock™ Technology</b> is a proprietary technology which mechanically fuses the common bond between overlapping shingle layers.
	<b>WindProven™ Limited Wind Warranty<sup>3</sup></b> is a 15-year limited wind warranty with no maximum wind speed — available when you install the LayerLock™-labeled Shingles as well as GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation. See <i>GAF Roofing System Limited Warranty</i> for complete coverage and restrictions. Visit <a href="http://gaf.com/LRS">gaf.com/LRS</a> for qualifying GAF products.
	<b>25-Year Limited Warranty Term<sup>4</sup></b> gives homeowners long-term protection they can trust.

<sup>†</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and at least 3 qualifying GAF Accessories. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>1</sup> StainGuard Plus™ Time-Release Technology is available only on Shingles sold in packages bearing the StainGuard Plus™ logo. Products with StainGuard Plus™ Time-Release Technology are covered by a 25-year limited warranty against blue-green algae discoloration. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

<sup>2</sup> StainGuard<sup>®</sup> algae protection is available only on shingles sold in packages bearing the StainGuard<sup>®</sup> logo. Products with StainGuard<sup>®</sup> algae protection are covered by a 10-year limited warranty against blue-green algae discoloration. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

<sup>3</sup> 15-year WindProven™ limited wind warranty on GAF Shingles with LayerLock™ Technology requires the use of GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

<sup>4</sup> See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

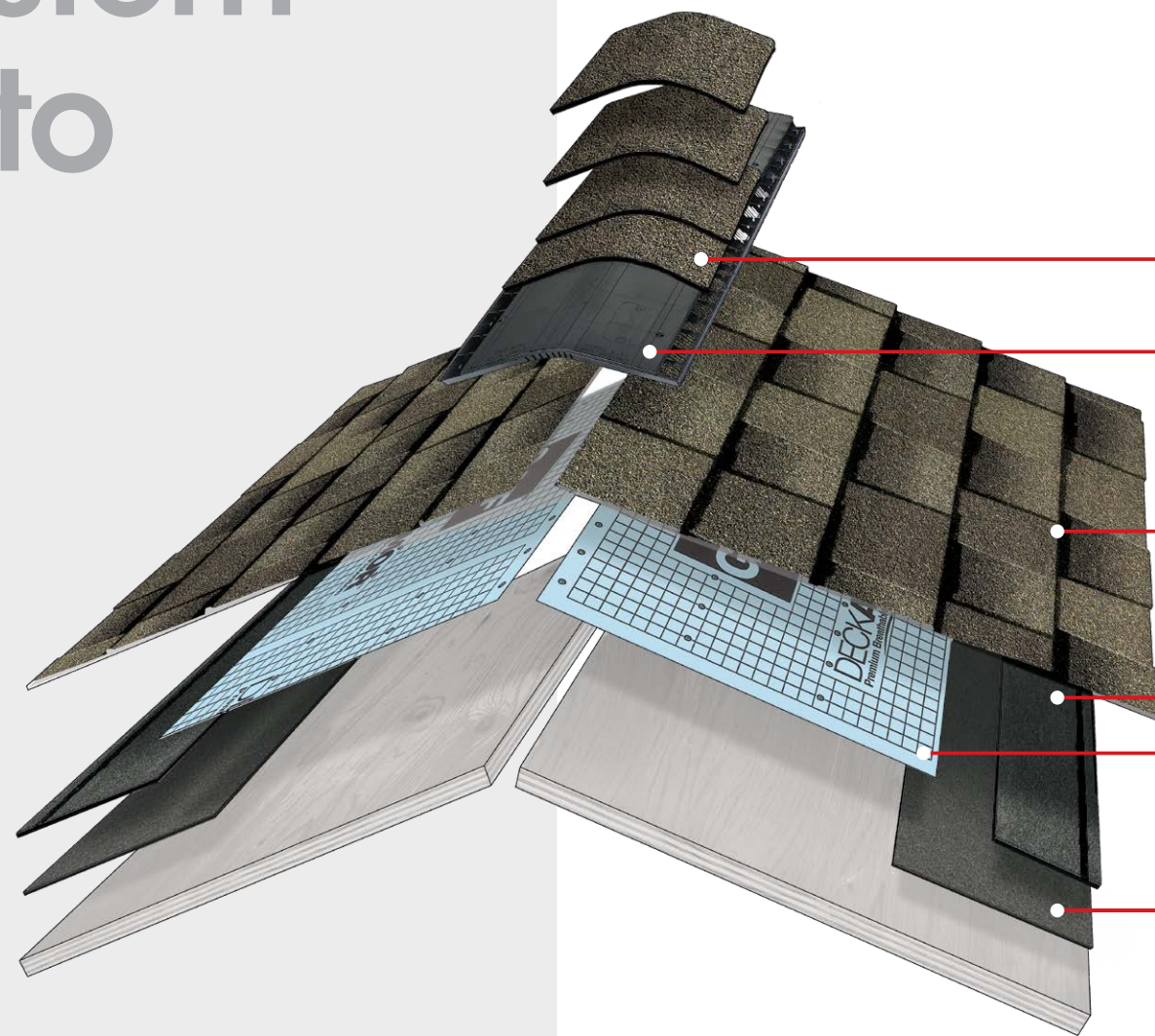








# Trust the system that's built to protect

A roof is so much more than shingles. It's layers of protection, working together to help keep your home safe from wind, rain, snow, and even sun.

Install any GAF Lifetime<sup>†</sup> Shingle and at least 3 qualifying GAF Accessories and get a Lifetime<sup>†</sup> limited warranty on your qualifying GAF products plus non-prorated coverage for the first 10 years. For even stronger coverage, ask your GAF factory-certified contractor<sup>1</sup> about enhanced GAF warranties.

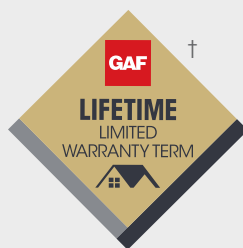
Visit [gaf.com/LRS](http://gaf.com/LRS) for a list of qualifying GAF products.



- Ridge Cap Shingles 
- Cobra<sup>®</sup> Attic Ventilation 
- Lifetime<sup>†</sup> Shingles 
- Starter Strip Shingles 
- Roof Deck Protection 
- Leak Barrier 



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

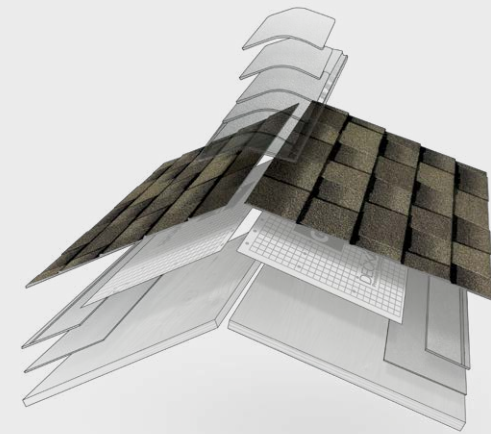


<sup>†</sup>Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence (or eligible second owner(s)) owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and at least 3 qualifying GAF Accessories. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>1</sup>Contractors enrolled in GAF certification programs are not employees or agents of GAF, and GAF does not control or otherwise supervise these independent businesses. Contractors may receive benefits, such as loyalty rewards points and discounts on marketing tools from GAF for participating in the program and offering GAF enhanced warranties, which require the use of a minimum amount of GAF products.

# Timberline® Lifetime<sup>†</sup> Shingles Collection

More homeowners in North America rely on Timberline® Shingles than any other brand. They offer just the right combination of beauty, performance, and reliability.



<p><b>Timberline® HDZ™</b> pg 7-8</p>			<p>America's #1-selling shingle—now featuring the industry's widest nail zone</p>
<p><b>Timberline® UHD</b> pg 7 &amp; 9</p>			<p>For a thick ultra-dimensional wood-shake look in an asphalt shingle</p>
<p><b>Timberline® NS</b> pg 10</p>			<p>The beauty of natural wood shakes in an asphalt shingle</p>
<p><b>Timberline® AH</b> pg 11</p>			<p>The striking hues of America's heartland</p>
<p><b>Timberline® CS</b> pg 11</p>			<p>Our most reflective shingle</p>

For specifications see pages 20-21



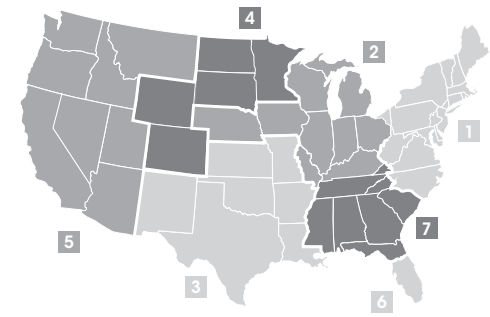
For the full collection visit [gaf.com/timberline](http://gaf.com/timberline)



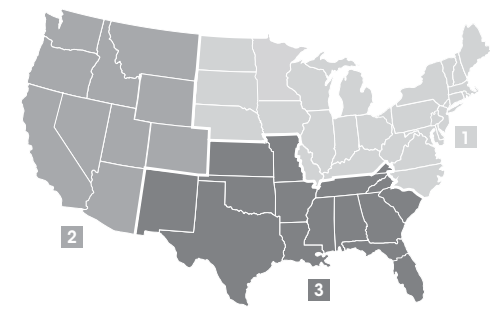
<sup>†</sup>15-year WindProven™ limited wind warranty on GAF Shingles with LayerLock™ Technology requires the use of GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation. See GAF Roofing System Limited Warranty for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

## Availability

Timberline® HDZ™	1	2	3	4	5	6	7
<b>Most Popular Colors:</b>							
Barkwood	•	•	•	•	•	•	•
Charcoal	•	•	•	•	•	•	•
Hickory	•	•	•	•	•	•	•
Hunter Green	•	•	•	•	•	•	•
Mission Brown	•	•	•	•	•	•	•
Pewter Gray	•	•	•	•	•	•	•
Shakewood	•	•	•	•	•	•	•
Slate	•	•	•	•	•	•	•
Weathered Wood	•	•	•	•	•	•	•
<b>Regional Colors:</b>							
Biscayne Blue	•						
Birchwood <sup>2</sup>		•		•	•	•	•
Copper Canyon <sup>2</sup>				•			
Driftwood					•	•	•
Fox Hollow Gray	•	•					
Golden Amber <sup>1,2</sup>				•			
Oyster Gray	•					•	•
Patriot Red	•						
Sunset Brick						•	
White <sup>2,3</sup>						•	
Williamsburg Slate	•	•					



Timberline® UHD	1	2	3
<b>Most Popular Colors:</b>			
Barkwood	• <sup>4</sup>	•	•
Charcoal	• <sup>4</sup>	•	•
Pewter Gray	• <sup>4</sup>		• <sup>1</sup>
Shakewood	• <sup>4</sup>	•	• <sup>1</sup>
Slate	• <sup>4</sup>	•	• <sup>1</sup>
Weathered Wood	• <sup>4</sup>	•	•



<sup>1</sup>Limited availability.  
<sup>2</sup>Rated by the Cool Roof Rating Council (CRRCC) and can be used to comply with 2019 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations.  
<sup>3</sup>Timberline® HDZ™ White is ENERGY STAR® certified (U.S. only). Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of roofing products, insulation levels, HVAC equipment efficiency, and other factors.  
<sup>4</sup>Timberline® UHD Shingles in these areas have the Dual Shadow Line feature.



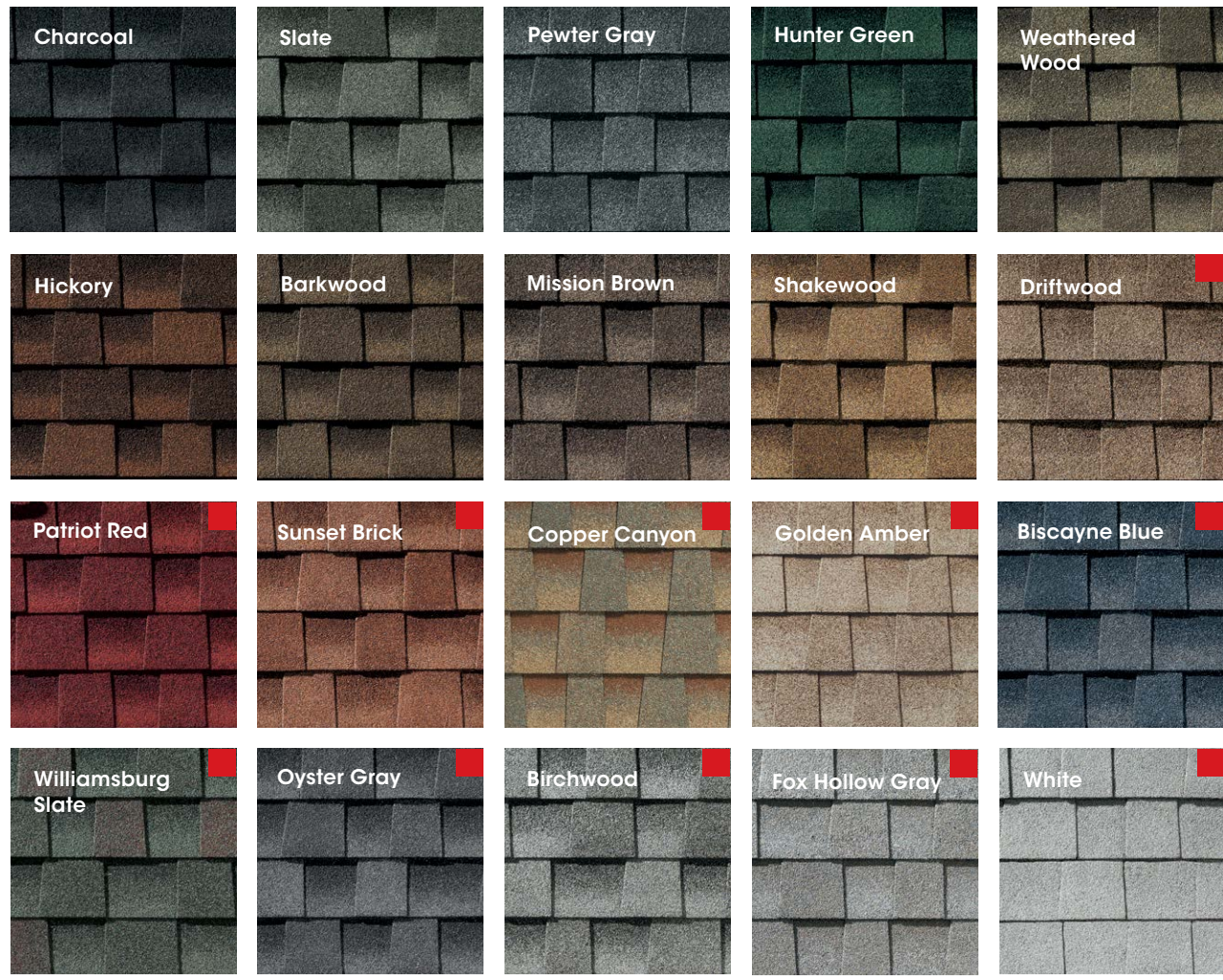
U.S. only (Timberline® HDZ™ White)



**GAF Timberline<sup>®</sup> HDZ<sup>™</sup>**  
High Definition<sup>®</sup> Lifetime<sup>†</sup> Shingles



Timberline<sup>®</sup> shingles protect millions of families nationwide with great value and a genuine wood-shake look. Peace of mind has never looked so good.



For more details visit [gaf.com/hdz](http://gaf.com/hdz)

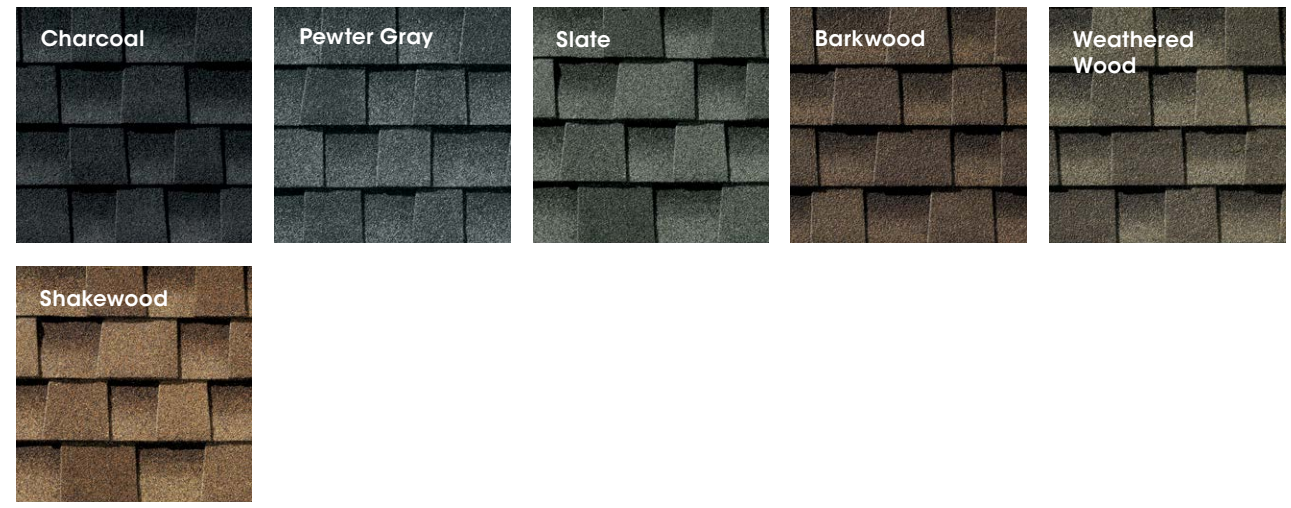
<sup>†</sup> 15-year WindProven<sup>™</sup> limited wind warranty on Timberline<sup>®</sup> HDZ<sup>™</sup> Shingles requires the use of GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

Available regionally

**GAF Timberline<sup>®</sup> UHD**  
Ultra High Definition<sup>®</sup> Lifetime<sup>†</sup> Shingles

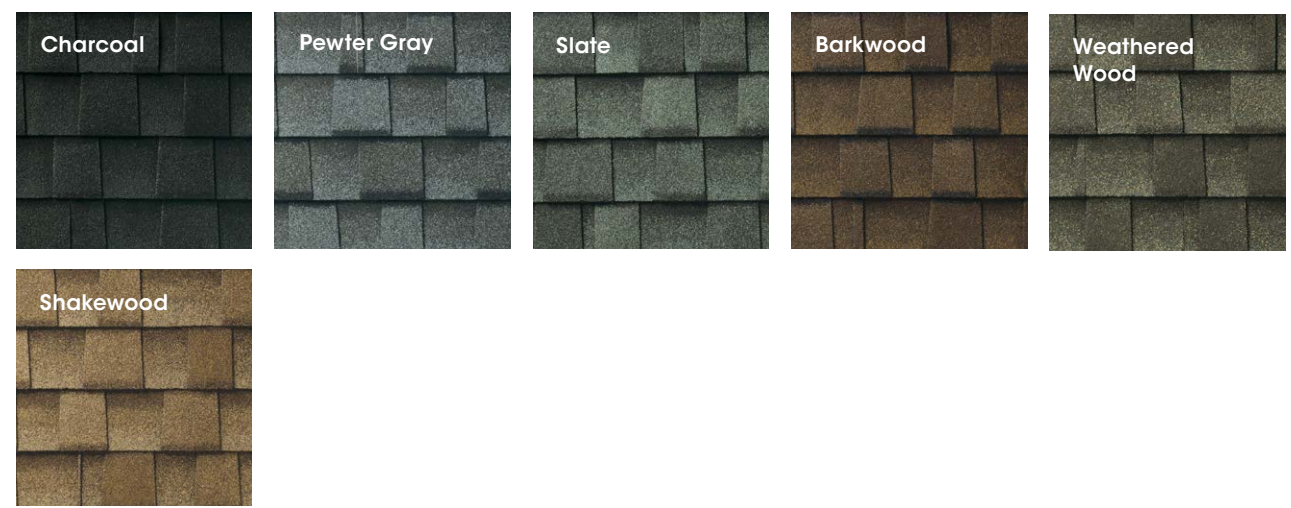


Proprietary color blends and enhanced shadow effects create eye-catching dimensionality on a thick shingle while StainGuard Plus<sup>™</sup> Time-Release Technology helps prevent blue-green algae stains



For more details visit [gaf.com/uhd](http://gaf.com/uhd)

**Dual Shadow Lines** add enhanced dimensionality and take your home's roof—and curb appeal—to new heights. The impact is unmistakable!<sup>1</sup>



For more details visit [gaf.com/dualshadow](http://gaf.com/dualshadow)

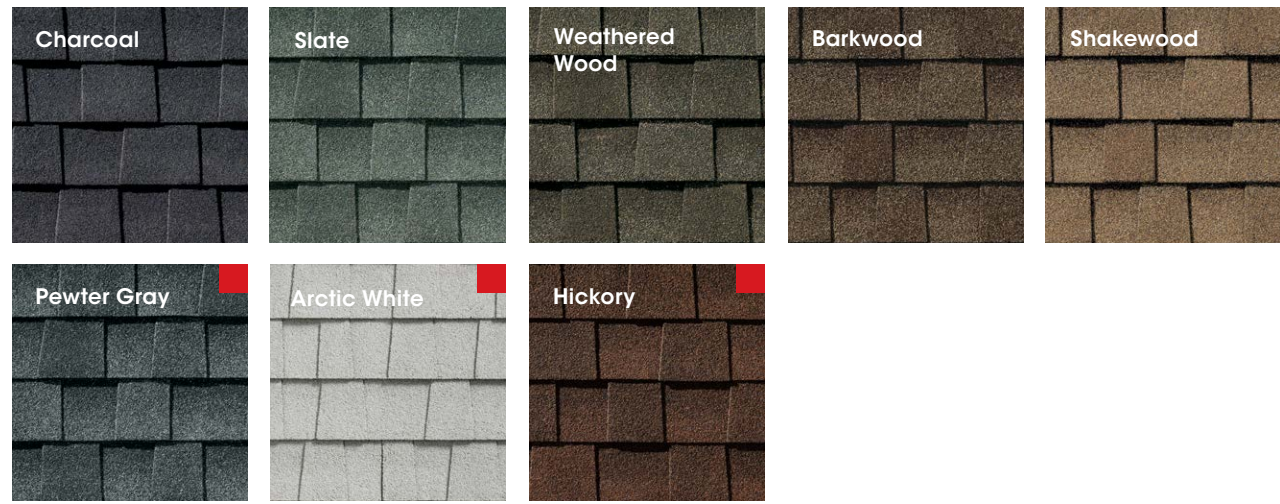
<sup>1</sup> Timberline<sup>®</sup> UHD Shingles with the Dual Shadow Line feature are only available in certain areas; see chart on page 7 for regional availability. NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.



# GAF Timberline<sup>®</sup> NS

Natural Shadow<sup>®</sup> Lifetime<sup>†</sup> Shingles

These stylish yet practically priced architectural shingles provide value and performance with a classic shadow effect for a subtle, even-toned look



For more details visit [gaf.com/ns](http://gaf.com/ns)

10 NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

Available regionally

# GAF Timberline<sup>®</sup> AH

American Harvest<sup>®</sup> Lifetime<sup>†</sup> Shingles

Advanced color techniques deliver extra dimensions that add sophistication and charm to any home



For more details visit [gaf.com/ah](http://gaf.com/ah)

# GAF Timberline<sup>®</sup> CS

Cool Series<sup>®</sup> Lifetime<sup>†</sup> Shingles

Highly reflective shingles that can help to reduce temperatures in your attic, and help save on air-conditioning costs<sup>2</sup>



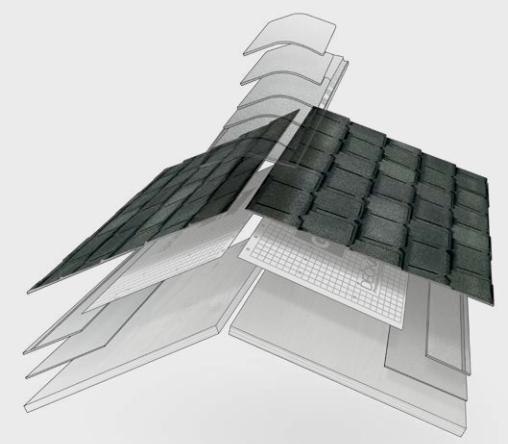
For more details visit [gaf.com/cs](http://gaf.com/cs)

<sup>1</sup> 15-year WindProven™ limited wind warranty on GAF Shingles with LayerLock™ Technology requires the use of GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation. See GAF Roofing System Limited Warranty for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.  
<sup>2</sup> Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of roofing products, insulation levels, HVAC equipment efficiency, and other factors.  
 NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.



# Lifetime<sup>†</sup> Designer Shingles Collection

Sophisticated designs, custom color palettes, and high performance, GAF Lifetime Designer Shingles are only a fraction of the cost of traditional slate or wood shakes



## Designer Lifetime Shingles

<b>Glenwood<sup>®</sup></b> pg 13	 	An authentic wood-shake look in an asphalt shingle
<b>Grand Canyon<sup>®</sup></b> pg 13	 	Rugged sophistication with striking depth
<b>Camelot II<sup>®</sup></b> pg 14	 	Contemporary slate-inspired elegance in an asphalt shingle
<b>Grand Sequoia<sup>®</sup></b> pg 14	 	Rustic charm meets 21st-century style
<b>Woodland<sup>®</sup></b> pg 15	 	The beauty of natural wood shakes in an asphalt shingle
<b>Slateline<sup>®</sup></b> pg 15	 	An asphalt shingle with the dramatic look of slate

For specifications see pages 20–21



For the full collection visit [gaf.com/designer](http://gaf.com/designer)



# GAF Glenwood<sup>®</sup> Designer Lifetime<sup>†</sup> Shingles

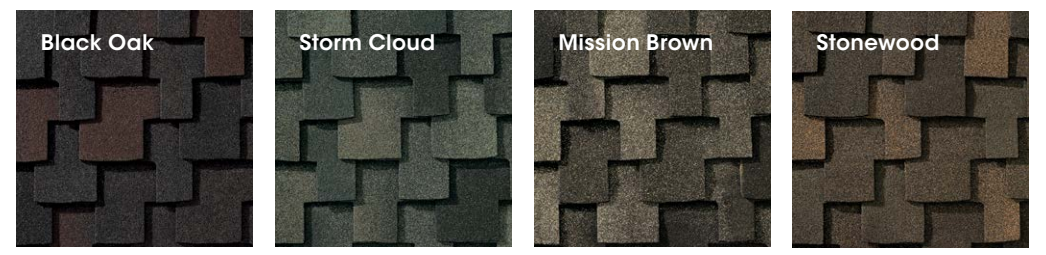
Crafted with the finest attention to detail, this striking shingle captures the essence of wood in a thick, triple-layer asphalt design



For more details visit [gaf.com/glenwood](http://gaf.com/glenwood)

# GAF GrandCanyon<sup>®</sup> Designer Lifetime<sup>†</sup> Shingles

The ultimate choice for a rugged wood-shake look, offering incredible depth and dimension



For more details visit [gaf.com/grandcanyon](http://gaf.com/grandcanyon)

NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

# GAF Camelot II<sup>®</sup>

Designer Lifetime<sup>†</sup> Shingles

Designed to complement your home's exterior color scheme, these shingles give your home the luxury look you want without breaking your budget

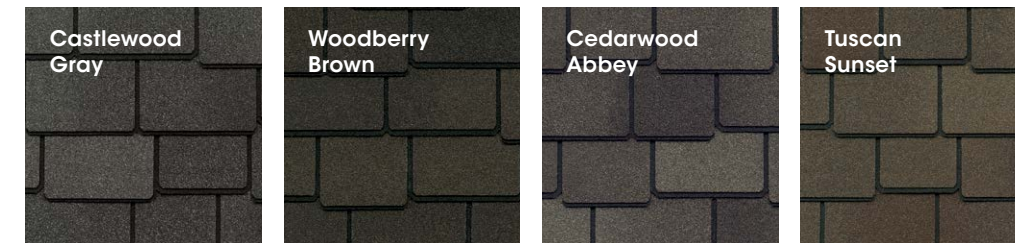


For more details visit [gaf.com/camelotII](http://gaf.com/camelotII)

# GAF Woodland<sup>®</sup>

Designer Lifetime<sup>†</sup> Shingles

The stylish look of hand-cut European shingles at an incredibly affordable price



For more details visit [gaf.com/woodland](http://gaf.com/woodland)

# GAF Grand Sequoia<sup>®</sup>

Designer Lifetime<sup>†</sup> Shingles

Artisan-crafted shapes combined with oversized tabs result in a sophisticated beauty unmatched by typical shingles



For more details visit [gaf.com/grandsequoia](http://gaf.com/grandsequoia)

# GAF Slateline<sup>®</sup>

Designer Lifetime<sup>†</sup> Shingles

Bold shadow lines and tapered cut-outs create the look of slate at a fraction of the cost

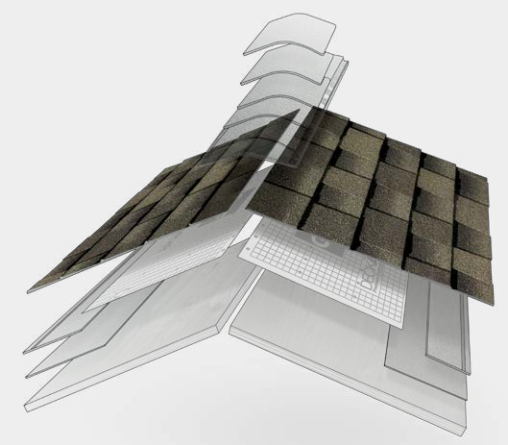


For more details visit [gaf.com/slateline](http://gaf.com/slateline)



# SBS Modified Impact Resistance (IR) Shingles Collection

SBS modified asphalt formula results in rubber-like flexibility and increased impact resistance



<p><b>Timberline® AS II</b></p> <p>pg 17</p>		<p>UL2218 Class 4 impact resistance to help protect your most valuable asset</p>
<p><b>Grand Sequoia® AS</b></p> <p>pg 17</p>		<p>The look of rugged wood shakes in an asphalt shingle with UL2218 Class 4 impact resistance</p>

For specifications see pages 20-21

## UL 2218 Class 4 Impact-Resistance Test

A 2" steel ball is dropped twice from a 20' height onto various target locations to evaluate the shingles' ability to withstand the impact.

<p><b>✘ Fail</b></p>	<p><b>✔ Pass</b></p>
<p><b>Result on a standard shingle</b> Evidence of visible ruptures or cracks through the shingle immediately after impact</p>	<p><b>Results on a Class 4 shingle</b> No evidence of ruptures or cracks through the shingle immediately after impact</p>



For the full collection visit [gaf.com/armorshield](http://gaf.com/armorshield)



# GAF Timberline® AS II

ArmorShield® II SBS-Modified IR Shingles

Crafted with the finest attention to detail, this striking shingle captures the essence of wood in a thick, triple-layer asphalt design

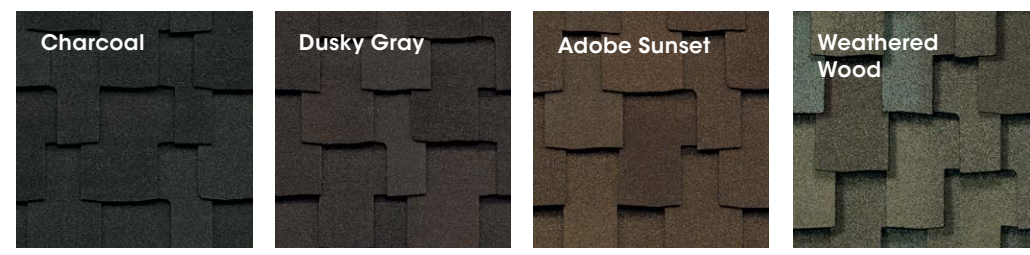


For more details visit [gaf.com/as](http://gaf.com/as)

# GAF Grand Sequoia® AS

ArmorShield® SBS-Modified IR Shingles

The ultimate choice for a rugged wood-shake look, offering incredible depth and dimension

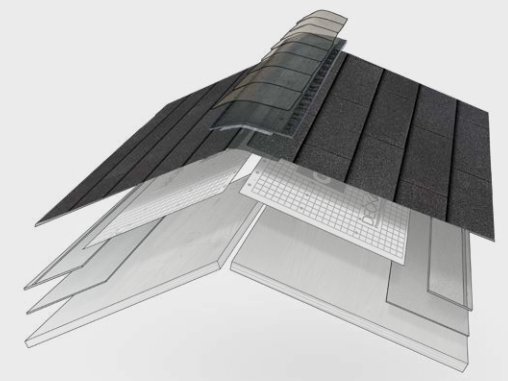


For more details visit [gaf.com/grandsequoiaAS](http://gaf.com/grandsequoiaAS)

NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

# 3-Tab Shingles

The perfect choice for first-time buyers, these shingles add beauty and performance to any roof

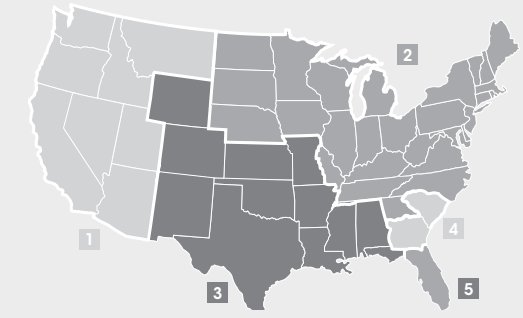


<p><b>Royal Sovereign®</b> pg 18-19</p>			<p>Excellent performance and a vivid design make for an exceptional investment</p>
---	--	--	--

For specifications see pages 20-21

## Color Availability

Royal Sovereign®	1	2	3	4	5
Autumn Brown	●	●	●	●	●
Charcoal	●	●	●	●	●
Golden Cedar	●	●	●	●	●
Silver Lining	●	●	●	●	●
Weathered Gray	●	●	●	●	●
White <sup>1,2</sup>	●	●	●	●	●
Ash Brown	●	●	●	●	●
Nickel Gray	●	●	●	●	●
Slate	●	●	●	●	●



<sup>1</sup> ENERGY STAR® certified (U.S. only).  
<sup>2</sup> Royal Sovereign® White can be used to comply with 2019 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations; is rated by the Cool Roof Rating Council (CRRC); and meets Green Building Standards Code of Los Angeles County for residential buildings.



For the full collection visit [gaf.com/3Tab](http://gaf.com/3Tab)



# GAF Royal Sovereign® 3-Tab Shingles

America's #1-selling 3-tab shingle



NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

3-Tab Shingles (Excluded from LRS)

3-Tab Shingles (Excluded from LRS)



# Shingle Specifications

Shingle	Warranty	Technology	Shingle Construction
---------	----------	------------	----------------------

**Timberline® Lifetime<sup>1</sup> Shingles Collection**

<b>Timberline® HDZ™</b>			   	
<b>Timberline® UHD</b>			  	
<b>Timberline® AH</b>			   	
<b>Timberline® NS</b>			  	
<b>Timberline® CS</b>			   	

**Lifetime<sup>1</sup> Designer Shingles Collection**

<b>Glenwood®</b>			  	
<b>Grand Canyon®</b>			  	
<b>Grand Sequoia®</b>			  	
<b>Woodland®</b>			  	
<b>Camelot® II</b>			  	
<b>Slateline®</b>			  	

**SBS Modified IR Shingles Collection**

<b>Timberline® AS II</b>			  	
<b>Grand Sequoia® AS</b>			  	

**3-Tab Shingle**

<b>Royal Sovereign®</b>			  	
-------------------------	--	--	----------	--

Approximate Physical Attributes					Codes										Special Features				
Pieces/Square	Bundles/Square	Nails/Square <sup>5</sup>	Exposure	Dimensions	Fire	Wind	National				Regional		Special Features						
					UL Listed to ANSI/UL 790 Class A	ASTM D7188, Class H	ASTM D3161, Class F	ASTM D3018 Type 1	ASTM D3442 <sup>6</sup>	Classified in accordance with ICC-ES AC-438	Miami-Dade County Product Control Approved	State of Florida Approved	Texas Department of Insurance Listed	ICC-ES ESR-1475	ICC-ES ESR-3267	Passes UL 2218, Class 4 Impact Test	Energy Star <sup>®</sup> Certified (U.S. Only) <sup>7</sup>	Cool Roof Rating Council (CRRC) Rated	
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
64	4	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
90	9	360	4 1/2" (114 mm)	12 1/4" x 36 5/8" (311 x 922 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
72	6	360	5" (127 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
70	5	360	5" (127 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
56	4	280	6 1/2" (165 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
56	4	280	7 1/2" (191 mm)	17" x 34 1/2" (432 x 876 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
48	3	288	7 1/2" (191 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
72	4	360	5" (127 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
English 79	3	English 316	English 5" (127 mm)	English 12" x 36" (305 x 914 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Metric 64		Metric 256	Metric 5 5/8" (143 mm)	Metric 13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

<sup>1</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and at least 3 qualifying GAF Accessories. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>2</sup> See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.  
<sup>3</sup> 15-year WindProven™ limited wind warranty on GAF Shingles with LayerLock™ Technology requires the use of GAF Starter Strips, Roof Deck Protection, Ridge Cap Shingles, and Leak Barrier or Attic Ventilation. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the WindProven™ limited wind warranty, see *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

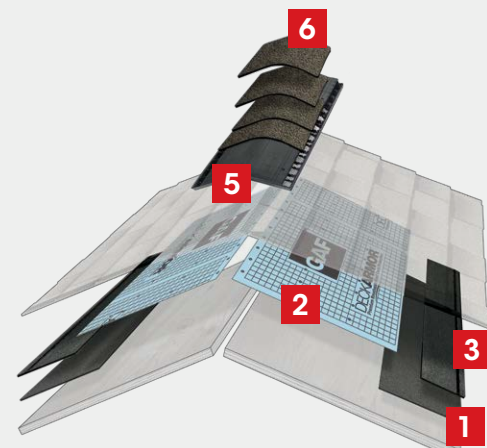
<sup>4</sup> StainGuard® algae protection is available only on shingles sold in packages bearing the StainGuard® logo. Products with StainGuard® algae protection are covered by a 10-year limited warranty against blue-green algae discoloration. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.  
<sup>5</sup> Steeper slopes and maximum wind warranties may require more nails.  
<sup>6</sup> Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.  
<sup>7</sup> Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of roofing products, insulation levels, HVAC equipment efficiency, and other factors.  
<sup>8</sup> Applies to some plants (that make referenced product).  
<sup>9</sup> Applies to White only.  
<sup>10</sup> Applies to Arctic White only.  
<sup>11</sup> Formerly known as Timberline Ultra HD®.





# Roofing Accessories

Install any GAF Lifetime<sup>†</sup> Shingle and at least 3 qualifying GAF Accessories and you'll get a Lifetime limited warranty on your qualifying GAF products.



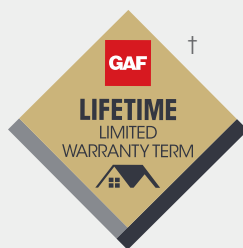
Visit [gaf.com/LRS](http://gaf.com/LRS) for a list of qualifying products.

<b>Leak Barriers</b> pg 23		Help prevent leaks caused by wind-driven rain and ice dams
<b>Roof Deck Protection</b> pg 24		Helps shield the roof deck from moisture infiltration
<b>Starter Strip Shingles</b> pg 25		Help guard against shingle blow-offs at the eaves and rakes
<b>Cobra<sup>®</sup> Attic Ventilation</b> pg 26		Helps reduce attic moisture and heat
<b>Ridge Cap Shingles</b> pg 27		The finishing touch that helps defend against leaks at the hips and ridges

<sup>†</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and at least 3 qualifying GAF Accessories. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

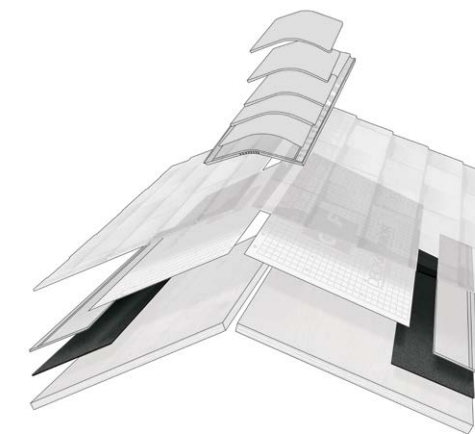


For the full collection visit [gaf.com/system](http://gaf.com/system)



# Leak Barriers

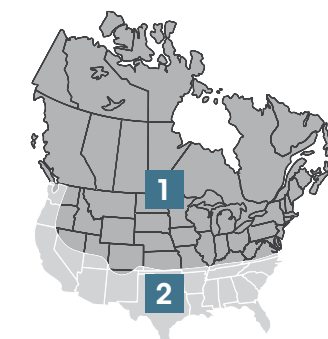
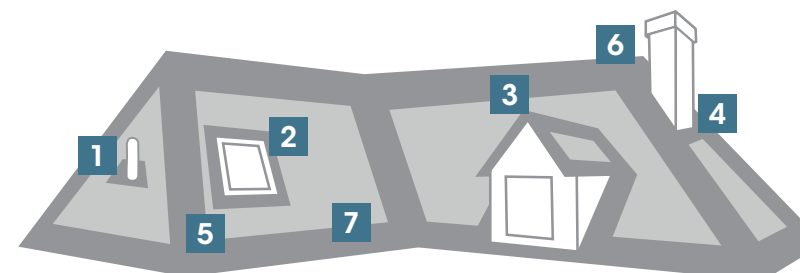
Help prevent leaks caused by wind-driven rain and ice dams



<b>StormGuard<sup>®</sup></b>		<ul style="list-style-type: none"> <li>Film-surfaced peel and stick underlayment for asphalt shingles and metal roofing</li> <li>Self-seals fasteners and helps protect vulnerable areas of the roof</li> <li>250F high-temperature design. Meets or exceeds the performance criteria of ASTM D1970</li> <li>2 Sq. (200 ft<sup>2</sup> [18.58 m<sup>2</sup>]) roll size - excludes laps</li> </ul>
<b>WeatherWatch<sup>®</sup></b>		<ul style="list-style-type: none"> <li>Mineral-surfaced peel and stick underlayment for asphalt shingles</li> <li>Self-seals fasteners and helps protect vulnerable areas of the roof</li> <li>Meets or exceeds the performance criteria of ASTM D1970</li> <li>2 Sq. (200 ft<sup>2</sup> [18.58 m<sup>2</sup>]) &amp; 1.5 Sq. (150 ft<sup>2</sup> [13.94 m<sup>2</sup>]) roll sizes - excludes laps</li> </ul>

### Leak Barrier Application Recommendations:

Strongly recommended around	Optional around	Required by code at <sup>1</sup>	Region <sup>1</sup>
1. Penetrations	5. Hips & rake edges	7. Eaves in colder zones <i>Recommended in warmer zones</i>	1. Colder zone
2. Skylights			
3. Valleys & dormers	6. Ridges		2. Warmer zone
4. Flashings & transitions			



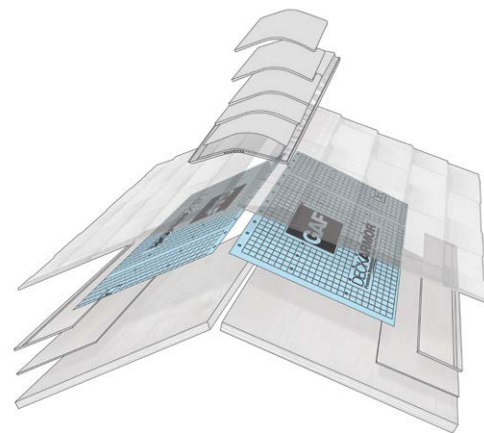
<sup>1</sup> Always check local building codes for requirements in your area.

For the full collection visit [gaf.com/leakbarriers](http://gaf.com/leakbarriers)



## Roof Deck Protection

Helps shield the roof deck from moisture infiltration

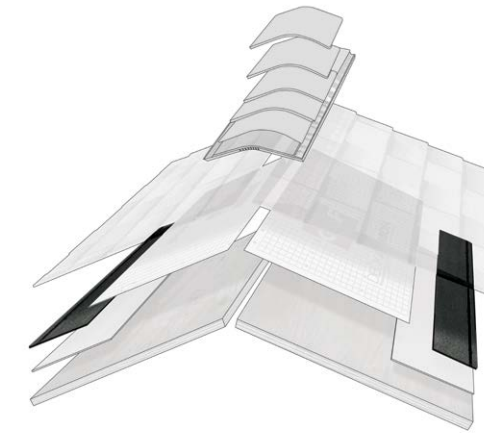


<b>DeckArmor™</b>		<ul style="list-style-type: none"> <li>▪ Premium breathable synthetic underlayment for asphalt shingles and other roof systems</li> <li>▪ Nom. 16 perms, high-traction surface helps resist tears</li> <li>▪ 48" x 250' (1.22 m x 76.2 m); 10 Sq. (1,000 ft<sup>2</sup> [92.9 m<sup>2</sup>]) roll size - excludes laps</li> </ul>
<b>Tiger Paw™</b>		<ul style="list-style-type: none"> <li>▪ Premium synthetic underlayment for asphalt shingles and other roof systems</li> <li>▪ High-traction surface helps resist tears, and deck side coating provides moisture control</li> <li>▪ 48" x 250' (1.22 m x 76.2 m); 10 Sq. (1,000 ft<sup>2</sup> [92.9 m<sup>2</sup>]) roll size - excludes laps</li> </ul>
<b>FeltBuster®</b>		<ul style="list-style-type: none"> <li>▪ High-traction synthetic underlayment for asphalt shingles</li> <li>▪ Value-priced, high-traction surface helps resist tearing</li> <li>▪ 48" x 250' (1.22 m x 76.2 m); 10 Sq. (1,000 ft<sup>2</sup> [92.9 m<sup>2</sup>]) roll size - excludes laps</li> </ul>
<b>Shingle-Mate™</b>		<ul style="list-style-type: none"> <li>▪ Fiberglass-reinforced underlayment for asphalt shingles</li> <li>▪ Fiberglass reinforcement lays flat and helps prevent telegraphing through shingles</li> <li>▪ 36" x 144' (.914 m x 43.89 m); 4 Sq. (432 ft<sup>2</sup> [40.13 m<sup>2</sup>]) roll size - excludes laps</li> </ul>
<b>Specialty Underlayment</b>		
<b>VersaShield®</b>		<ul style="list-style-type: none"> <li>▪ Fiberglass-reinforced fire-resistant underlayment for asphalt shingles, metal, wood, and other roof systems</li> <li>▪ Helps upgrade the UL Fire Rating of many roofing systems (always see the UL Certification Directory) and helps resist dangerous flame spread</li> <li>▪ 42" x 100' (1.07 m x 30.48 m); 3.5 Sq. (350 ft<sup>2</sup> [32.5 m<sup>2</sup>]) roll size - excludes laps</li> </ul>

For the full collection visit [gaf.com/system](http://gaf.com/system)

## Starter Strip Shingles

Help guard against shingle blow-offs at the eaves and rakes



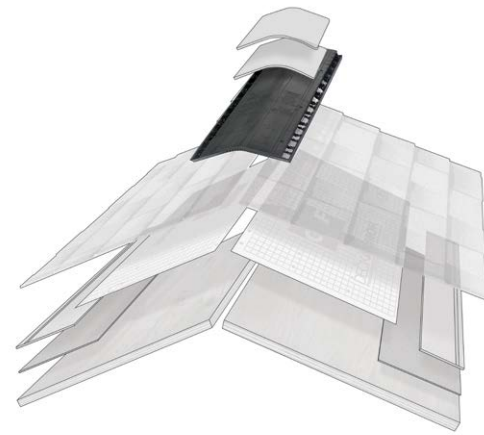
<b>WeatherBlocker™</b>		<ul style="list-style-type: none"> <li>▪ Premium starter strip shingles for all asphalt shingles</li> <li>▪ Extra-wide format, pre-perforated design, and factory-applied Dura Grip™ Adhesive</li> <li>▪ Full sheets measure 17" x 40" (432 mm x 1,016 mm) and cover 50 lin. ft. (15 m) per bundle. Half sheets measure 8 ½" x 40" (216 mm x 1,016 mm) and cover 100 lin. ft. (30 m) per bundle.</li> </ul>
<b>QuickStart®</b>		<ul style="list-style-type: none"> <li>▪ Peel and stick starter strip roll for asphalt shingles having exposure of 6" (152 mm) or less</li> <li>▪ Mineral surfacing with factory-applied Dura Grip™ Adhesive</li> <li>▪ 9" x 33' (228 mm x 10 m) roll size</li> </ul>
<b>ProStart®</b>		<ul style="list-style-type: none"> <li>▪ Starter strip shingles for most standard English and metric-sized asphalt shingles</li> <li>▪ Pre-perforated design with factory-applied Dura Grip™ Adhesive</li> <li>▪ Full sheets measure 13" x 38" (330 mm x 965 mm) and are split into half sheets measuring 6 ½" x 38" (165 x 965 mm) to cover 20.33 lin. ft. (36.69 m) per bundle</li> </ul>
<b>StarterMatch®</b>		<ul style="list-style-type: none"> <li>▪ Complementary-color starter strip shingles for Grand Sequoia® and Grand Canyon® Shingles</li> <li>▪ Used in conjunction with WeatherBlocker™</li> <li>▪ Full sheets measure 13 ¼" x 40" (337 mm x 1,016 mm) and cover 60 lin. ft. (18.3 m) per bundle</li> </ul>

For the full collection visit [gaf.com/starterstrip](http://gaf.com/starterstrip)



# Cobra® Attic Ventilation

Helps reduce attic moisture and heat\*



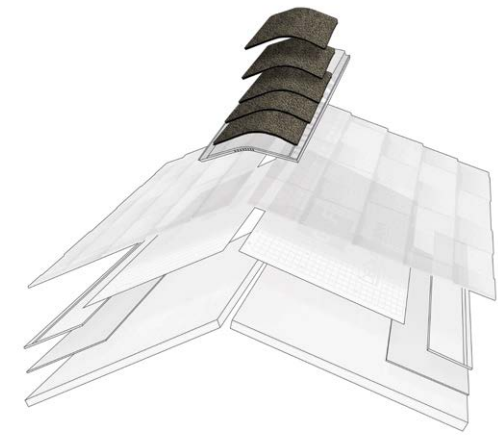
## Ridge & Hip Exhaust Ventilation

<b>Cobra® Exhaust Vent</b>		<ul style="list-style-type: none"> <li>▪ Mesh roll ridge vent for all climates</li> <li>▪ 10 ½" (267 mm), 8" (203 mm), and 11 ¾" (298 mm) widths; 20' (6.1 m) and 50' (15.24 m) lengths</li> <li>▪ Includes Smart Nails™ (Hand Nailable) or 1 ¾" (44 mm) Coil Nails (Nail Gunnable)</li> <li>▪ NFA: Hand Nailable - 16.9 sq. in./lin. ft. (35,772 mm<sup>2</sup> per lineal meter); Nail Gunnable - 14.1 sq. in./lin. ft. (29,845 mm<sup>2</sup> per lineal meter)</li> </ul>
<b>Cobra® SnowCountry® Advanced</b>		<ul style="list-style-type: none"> <li>▪ Premium plastic ridge vent for colder climates</li> <li>▪ Includes 3" (76 mm) ring shank nails, Snow Guard™ Filter &amp; EasyTear® Sizing</li> <li>▪ 11 ½" (292 mm) and 9" (229 mm) widths; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box</li> <li>▪ NFA: 18 sq. in./lin. ft. (38,100 mm<sup>2</sup> per lineal meter)</li> </ul>
<b>Cobra® SnowCountry®</b>		<ul style="list-style-type: none"> <li>▪ Plastic ridge vent for colder climates</li> <li>▪ Includes Snow Guard™ Filter &amp; EasyTear® Sizing</li> <li>▪ 11 ½" (292 mm) width; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box</li> <li>▪ NFA: 18 sq. in./lin. ft. (38,100 mm<sup>2</sup> per lineal meter)</li> </ul>
<b>Cobra® Rigid Vent 3™</b>		<ul style="list-style-type: none"> <li>▪ Premium plastic ridge vent for warmer climates</li> <li>▪ Includes 3" (76 mm) ring shank nails &amp; EasyTear® Sizing</li> <li>▪ 11 ½" (292 mm) and 9" (229 mm) widths; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box</li> <li>▪ NFA: 18 sq. in./lin. ft. (38,100 mm<sup>2</sup> per lineal meter)</li> </ul>
<b>Cobra® RidgeRunner®</b>		<ul style="list-style-type: none"> <li>▪ Plastic roll ridge vent for all climates</li> <li>▪ Includes 1 ¾" (44 mm) coil nails, Weather Fighter® Filter &amp; EasyTear® Sizing</li> <li>▪ 11 ½" (292 mm) width; 20' (6.1 m) length</li> <li>▪ NFA: 12.5 sq. in./lin. ft. (26,458 mm<sup>2</sup> per lineal meter)</li> </ul>
<b>Cobra® Hip Vent</b>		<ul style="list-style-type: none"> <li>▪ Plastic hip vent for all climates</li> <li>▪ Includes 1 ¾" (44 mm) coil nails and Dual Weather Fighter® Filter</li> <li>▪ 11 ½" (292 mm) width; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box</li> <li>▪ NFA: 9 sq. in./lin. ft. (19,050 mm<sup>2</sup> per lineal meter)</li> </ul>
<b>Intake Ventilation</b>		
<b>Cobra IntakePro®</b>		<ul style="list-style-type: none"> <li>▪ Tapered roll intake vent for all climates</li> <li>▪ Includes 1 ¾" (44 mm) coil nails and end cap fabric</li> <li>▪ 11" (279 mm) width; 20' (6.1 m) length</li> <li>▪ NFA: 9 sq. in./lin. ft. (19,050 mm<sup>2</sup> per lineal meter)</li> <li>1. See photo for product placement</li> </ul>

For more details visit [gaf.com/cobra](http://gaf.com/cobra)

# Ridge Cap Shingles

The finishing touch that helps defend against leaks at the hips and ridges



<b>TimberTex®</b>			<ul style="list-style-type: none"> <li>▪ Premium double-layer ridge cap shingles for use with Timberline® HDZ™, NS, AH, UHD, &amp; GAF Designer Lifetime Shingles</li> <li>▪ Pre-perforated design &amp; factory-applied Dura Grip™ Adhesive</li> <li>▪ 12" (305 mm) width, 8" (203 mm) exposure, covers 20 lin. ft. (6.1 lm) per bundle</li> <li>▪ Available in all areas (except West area)</li> </ul>
<b>Seal-A-Ridge®</b>			<ul style="list-style-type: none"> <li>▪ Traditional look ridge cap shingles for use with Timberline® HDZ™, NS, AH, UHD, and CS Shingles</li> <li>▪ Pre-perforated design &amp; factory-applied Dura Grip™ Adhesive</li> <li>▪ 12" (305 mm) width, 6 ⅔" (169 mm) exposure, covers 25 lin. ft. (7.6 lm) per bundle</li> <li>▪ Available in all areas</li> </ul>
<b>TimberCrest®</b>			<ul style="list-style-type: none"> <li>▪ Premium SBS-modified bullnose ridge cap shingles for use with Timberline® HDZ™, NS, AH, UHD, RS/RS+, CS, and GAF Designer Lifetime Shingles</li> <li>▪ Pre-folded/flexed design &amp; factory-applied Dura Grip™ Adhesive</li> <li>▪ 10" (254 mm) and 8" (203 mm) widths, 8" (203 mm) exposure, covers 20 lin. ft. (6.1 lm) per box</li> <li>▪ Available in the West area</li> </ul>
<b>Ridglass®</b>			<ul style="list-style-type: none"> <li>▪ High-profile SBS-modified ridge cap shingles for use with Timberline® HDZ™, NS, RS/RS+, and UHD Shingles</li> <li>▪ Pre-folded design &amp; factory-applied Dura Grip™ Adhesive</li> <li>▪ 10" (254 mm) and 8" (203 mm) widths, 8" (203 mm) exposure, covers 31 lin. ft. (9.4 lm) per box</li> <li>▪ Available in the West area</li> </ul>
<b>Z®Ridge</b>			<ul style="list-style-type: none"> <li>▪ Wood shake-look ridge cap shingles for use with Timberline® HDZ™, NS, and UHD Shingles</li> <li>▪ Pre-perforated design with unique Z-fold design</li> <li>▪ 10" (254 mm) width, 5 ⅝" (143 mm) exposure, covers 33.3 lin. ft. (10.1 lm) per bundle</li> <li>▪ Available in the Southwest and West areas</li> </ul>
<b>Seal-A-Ridge® AS</b>			<ul style="list-style-type: none"> <li>▪ UL Class 4 impact resistance, pre-perforated design &amp; factory-applied Dura Grip™ Adhesive</li> <li>▪ For use with GAF ArmorShield® Series and Glenwood® Shingles.</li> <li>▪ 12" (305 mm) width, 5" (127 mm) exposure, covers 25 lin. ft. (7.6 lm) per bundle</li> </ul>

For more details visit [gaf.com/ridgecaps](http://gaf.com/ridgecaps)

**GAF** MasterFlow<sup>®</sup>  
Ventilation Products

Ventilation products that help minimize heat and moisture in attics, while helping to resist mold and mildew



<b>Power attic vents - roof mount</b>	<b>1</b> 	<ul style="list-style-type: none"> <li>Exhaust large amounts of heat and moisture from the attic</li> <li>High-efficiency PSC motors</li> <li>Thermostat control included on all models. Optional combo humidistat/thermostat control available on select models</li> <li>Available in popular colors to complement most finished roofs</li> <li>Also available in gable mount</li> </ul>
<b>Solar-powered vents</b>	<b>2</b> 	<ul style="list-style-type: none"> <li>Helps reduce electricity costs associated with operating a fully electric powered vent<sup>1</sup></li> <li>Available in both solar-powered and unique dual-powered models</li> <li>Solar-powered models run off the sun's power, while dual-powered models switch automatically between sun and house power</li> <li>Thermostat or combo humidistat/thermostat control available on select models</li> </ul>
<b>Roof louvers</b>	<b>3</b> 	<ul style="list-style-type: none"> <li>Allow heat and moisture to escape the attic on roofs with limited ridge</li> <li>Styles: Slant-back, square-top, dome</li> <li>Construction: Aluminum, galvanized, plastic, granule-coated</li> <li>Net Free Area per Vent: Options from 37 - 144 sq. in. (23,871 - 92,903 mm<sup>2</sup>)</li> </ul>
<b>Aluminum ridge vent</b>		<ul style="list-style-type: none"> <li>Allows heat and moisture to escape the attic</li> <li>Construction: Aluminum with built-in baffle</li> <li>Net Free Area: 21.5 Sq. in. per lin. ft. (45,508 mm<sup>2</sup> per lineal meter)</li> </ul>
<b>Wind turbines</b>		<ul style="list-style-type: none"> <li>Use wind power to pull heat and moisture from the attic</li> <li>Sizes: 12" (305 mm) &amp; 14" (356 mm)</li> <li>Construction: Aluminum internally braced, galvanized internally, or externally braced</li> </ul>
<b>Soffit/under-eave intake vents</b>		<ul style="list-style-type: none"> <li>Allow cooler dry air to enter the attic</li> <li>Styles: Continuous, oval, rectangular, EmberShield<sup>®</sup> closeable</li> <li>Net Free Area per Vent: Options from 22-68 Sq. in. (14,194 - 43,871 mm<sup>2</sup>)</li> </ul>
<b>Other vents and accessories</b>		<p><b>Also available:</b> Master Flow<sup>®</sup> Gable Wall Louvers, Goose Neck Vents, Vent Caps, Chimney Caps, Zinc Strips, Whole House Fans, and Foundation Vents</p>

For the full collection visit [gaf.com/masterflow](http://gaf.com/masterflow)

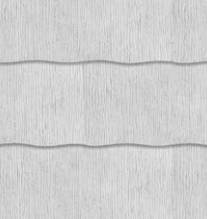

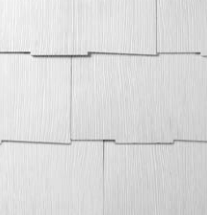
<sup>1</sup> Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of roofing products, insulation levels, HVAC equipment efficiency, and other factors.  
NOTE: Always have a balanced attic ventilation system. In no case should the amount of exhaust ventilation exceed the amount of intake ventilation. Visit [www.gaf.com/ventcalculator](http://www.gaf.com/ventcalculator) for more details.

**GAF** WeatherSide<sup>™</sup>  
Fiber-Cement Siding



The one and only solution for replacing old asbestos siding



**Siding** - contains NO asbestos<sup>1</sup>

<b>Purity<sup>™</sup> Shingle</b>		Textured surface with straight, wavy, or thatched edge	<ul style="list-style-type: none"> <li>Size: 12" x 24" (305 mm x 609 mm)</li> <li>Exposure: Straight &amp; Wavy 11" (279 mm), Thatched 10 1/2" (267 mm)</li> </ul>
<b>Profile Shingle</b>		Striated surface with straight edge	<ul style="list-style-type: none"> <li>Size: 9" x 32" (227 mm x 813 mm)</li> <li>Exposure: 8" (203 mm)</li> <li>Size: 12" x 24" (305 mm x 609 mm)</li> <li>Exposure: 11" (279 mm)</li> <li>Size: 14 5/8" x 32" (371 mm x 813 mm)</li> <li>Exposure: 13 5/8" (346 mm)</li> </ul>
<b>Emphasis<sup>™</sup> Shingle</b>		Extra-thick wood grain look surface with thatched edge	<ul style="list-style-type: none"> <li>Size: 14 5/8" x 25 5/32" (371 mm x 639 mm)</li> <li>Exposure: 13" (330 mm)</li> </ul>

**Accessories**

<b>Siding Backer Strips</b>		Help protect the vertical seams between each piece of siding against weather infiltration	<ul style="list-style-type: none"> <li>9" (227 mm)</li> <li>12" (305 mm)</li> <li>14" (357 mm)</li> </ul>
<b>Hot-dipped Galvanized Siding Nails</b>		Help provide maximum holding power and an excellent finished look	<ul style="list-style-type: none"> <li>White, ring shank nails</li> <li>1 3/4" (44 mm)</li> </ul>
<b>Pre-primed Individual Corners</b>		Complete the outside corners of your WeatherSide <sup>™</sup> Siding job	<ul style="list-style-type: none"> <li>9" (227 mm)</li> <li>12" (305 mm)</li> <li>14" (357 mm)</li> <li>Emphasis<sup>™</sup> corners</li> </ul>

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

<sup>1</sup> We recommend that any removal and disposal of asbestos-containing products be done by a professionally trained asbestos removal contractor.



Help reduce heat drive into conditioned/living spaces, and ventilated options exhaust excess moisture to reduce the risk of condensation in the roofing system<sup>1</sup>



**Ventilated Roof Insulation Panels**

<p><b>ThermaCal<sup>®</sup> 1</b></p>		<ul style="list-style-type: none"> <li>For asphalt shingle and metal roof systems</li> <li>Nominal 4' x 8' (1.21 m x 2.44 m) panels with single layer of sheathing (7/16" OSB [11.1 mm] standard); other options available</li> <li>Includes air space and tongue-and-groove polyiso foam to reduce heat loss through panel joints</li> <li>Pre-spaced sheathing eliminates the need for H-clips and allows for sheathing expansion</li> </ul>
<p><b>ThermaCal<sup>®</sup> 2</b></p>		<ul style="list-style-type: none"> <li>For slate, tile, and maximum loading roof systems</li> <li>Nominal 4' x 8' (1.21 m x 2.44 m) panels with two layers of sheathing (7/16" OSB [11.1 mm] standard); other options available</li> <li>Includes air space and tongue-and-groove polyiso foam to reduce heat loss through panel joints</li> <li>Pre-spaced sheathing eliminates the need for H-clips and allows for sheathing expansion</li> </ul>

**Non-Ventilated Roof Insulation Panels**

<p><b>ThermaCal<sup>®</sup></b></p>		<ul style="list-style-type: none"> <li>For metal roof systems</li> <li>Nominal 4' x 8' (1.21 m x 2.44 m) panels with single layer of sheathing (7/16" OSB [11.1 mm] standard); other options available</li> <li>Tongue-and-groove polyiso foam to reduce heat loss through panel joints</li> <li>Pre-spaced sheathing eliminates the need for H-clips and allows for sheathing expansion</li> </ul>
-------------------------------------	--	---

**Exterior Wall Insulation Panels**

<p><b>ThermaCal<sup>®</sup> Wall</b></p>		<ul style="list-style-type: none"> <li>Nominal 4' x 8' (1.21 m x 2.44 m) panels with one layer of sheathing (7/16" OSB [11.1 mm] standard); other options available</li> <li>Includes tongue-and-groove polyiso foam (8' [2.44 m] sides only) to reduce heat loss through panel joints</li> <li>Pre-spaced sheathing (8' [2.44 m] sides) allows for precision fit and sheathing expansion</li> </ul>
--	--	--

**Nail Base Insulation Panel Fasteners**

<p><b>ThermaCal<sup>®</sup> Light-duty drill point fasteners</b></p>		<ul style="list-style-type: none"> <li>Designed for attaching ThermaCal<sup>®</sup> Insulation Panels to steel roof decks/substrates</li> <li>Manufactured with case-hardened and tempered carbon steel</li> </ul>
<p><b>ThermaCal<sup>®</sup> Thread point fasteners</b></p>		<ul style="list-style-type: none"> <li>Designed for attaching ThermaCal<sup>®</sup> Insulation Panels to wood roof decks/substrates</li> <li>Manufactured with case-hardened and tempered carbon steel</li> </ul>

For the full collection visit [gaf.com/thermacal](http://gaf.com/thermacal)

Self-adhering low-slope roofing systems. Perfect for porches, garages, car ports, and sunrooms!



For the full collection visit [gaf.com/liberty](http://gaf.com/liberty)



# Before you bid on only half this roof



## Talk to GAF first

The partners you count on to support your roofing business are ready to champion your growth in whatever direction you want to go. GAF offers a full line of low-slope and steep-slope roofing systems. Technical support. Expert training. And excellent warranties and guarantees backed by North America's largest roofing manufacturer. If you're ready to grow, talk to GAF, first. [gaf.com/TalktoGAF](https://gaf.com/TalktoGAF)