



# California Cool® Shingles

## Reference Guide



Welcome to the new era of reflective roofing. California Cool® Shingles with specially formulated EcoDark® granules, deliver the darkest, richest reflective options available in California.



\* Can be used to comply with 2022 Title 24 Part 6 Cool Roof requirements of the California Code of Regulations

We protect what matters most™









# It's more than "code compliant." It's California cool.

Homes in California need to comply with specific "cool roof" requirements. Homeowners want rich, beautiful colors. And everyone wants the potential of saving on cooling costs.<sup>1</sup> Why not have it all? All GAF California Cool™ Shingles can be used to comply with 2022 Title 24, Part 6, Cool Roof requirements of the California Code of Regulations. Timberline HDZ® RS Shingles even meet the stringent requirements of the Green Building Standards Code of Los Angeles County for residential buildings. And thanks to innovative EcoDark™ granule technology, California Cool™ Shingles come in a vibrant array of reflective colors never before seen in a cool roof — including the darkest "cool" shingle you can buy.

<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.



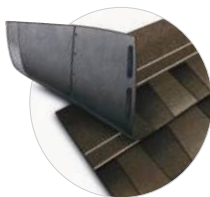
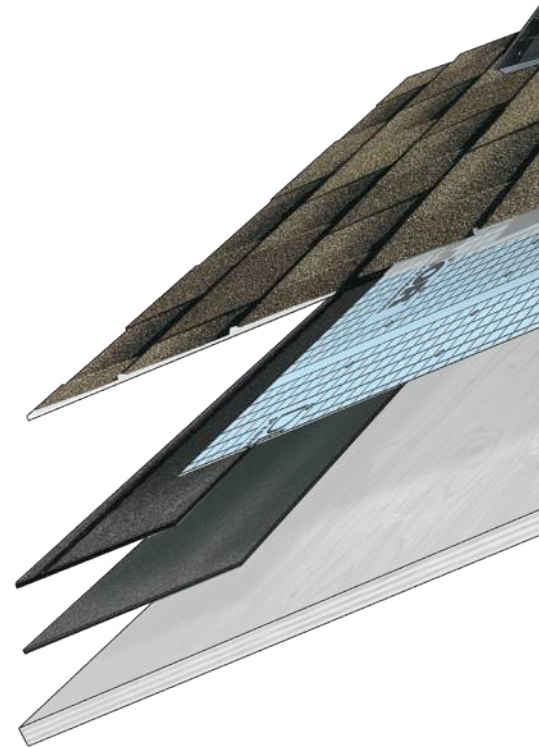
<sup>\*</sup> Can be used to comply with 2019 Title 24 Part 6 Cool Roof requirements of the California Code of Regulations

# It's a system, built to protect

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

In fact, installing 4 qualifying GAF accessories — GAF starter strips, roof deck protection, ridge cap shingles, and either leak barrier or attic ventilation — in one roof system makes Timberline® shingles with LayerLock® Technology — including Timberline HDZ® RS — eligible for the WindProven™ Limited Wind Warranty.<sup>1</sup>

Visit [gaf.com/LRS](https://gaf.com/LRS) for qualifying GAF products.

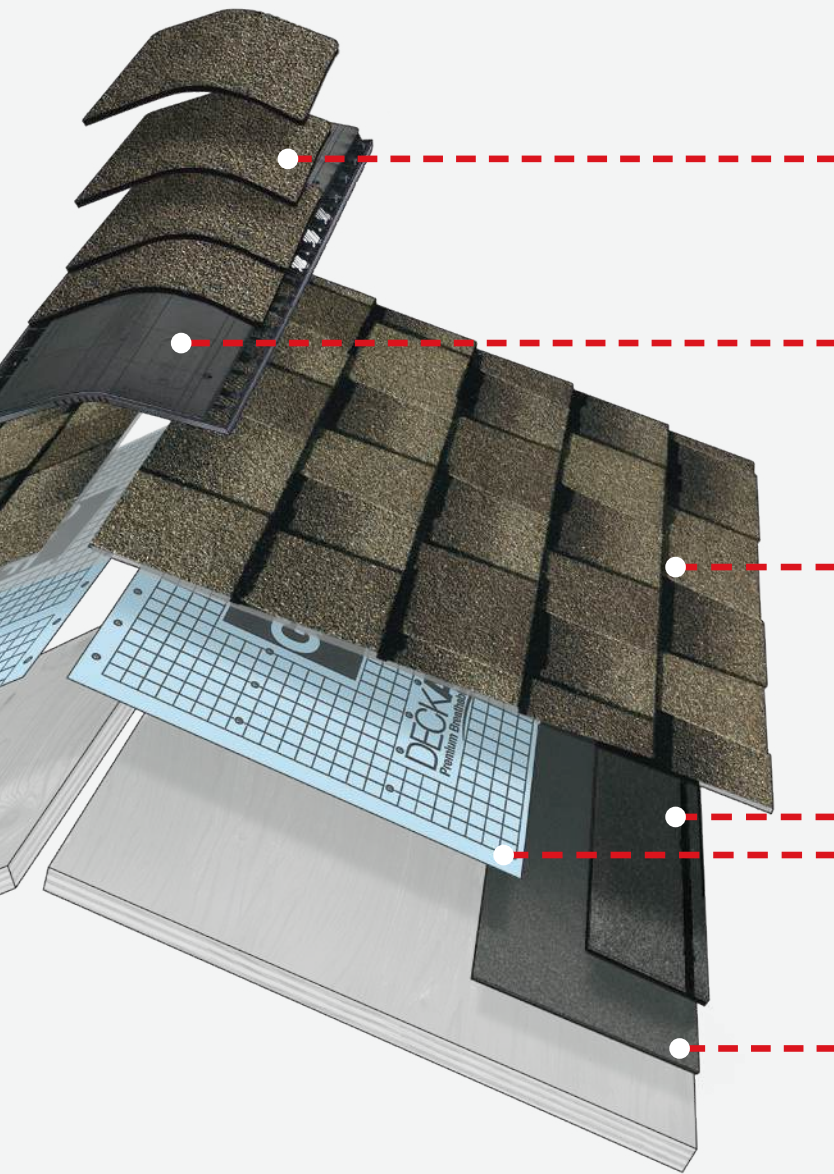


LayerLock® Technology mechanically fuses the common bond between overlapping shingle layers. The added strength at the common bond powers the StrikeZone® — the industry's widest nailing area.



<sup>1</sup> 15-year WindProven™ Limited Wind Warranty covers GAF shingles with LayerLock® Technology only and 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](https://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.

## The GAF Lifetime<sup>†</sup> Roofing System



**Ridge Cap Shingles**  
Helps defend against leaks at the hips and ridges



**Attic Ventilation**  
Helps reduce attic moisture and heat



**Lifetime<sup>†</sup> Shingles**  
Helps beautify and protect for years to come



**Starter Strip Shingles**  
Helps guard against shingle blow-offs



**Roof Deck Protection**  
Helps shield the roof deck from moisture infiltration



**Leak Barrier**  
Helps prevent leaks caused by wind-driven rain and ice dams

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 certified contractor<sup>1</sup> about enhanced GAF warranties.



<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. See the *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime shingle and at least 3 qualifying GAF accessories. See the *GAF Roofing System Limited Warranty* for complete coverage and restrictions. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

<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. Your dealings with a Contractor, and any services they provide to you, are subject to the *Contractor Terms of Use*. Visit [gaf.com/gaf-contractor-terms-of-use](http://gaf.com/gaf-contractor-terms-of-use) for details.

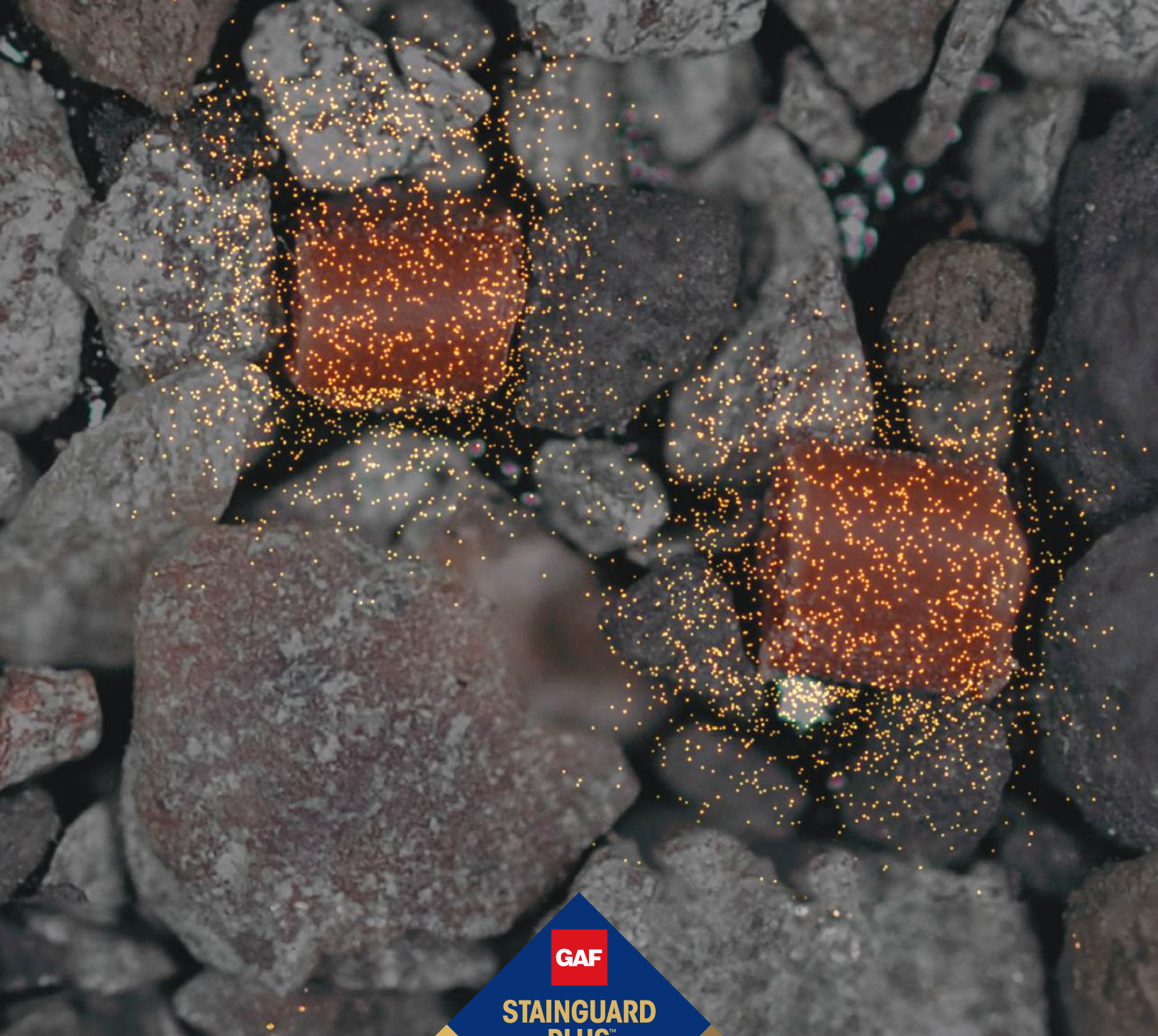




**WindProven™ Limited Wind Warranty — Timberline HDZ® RS Shingles** are eligible for the industry's first wind warranty with no maximum wind speed limitation when installed with a required combination of 4 qualifying GAF accessories.<sup>1</sup>

<sup>1</sup> 15-year WindProven™ Limited Wind Warranty on Timberline HDZ® 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. For installations not eligible for the *WindProven™ Limited Wind Warranty*, see the *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

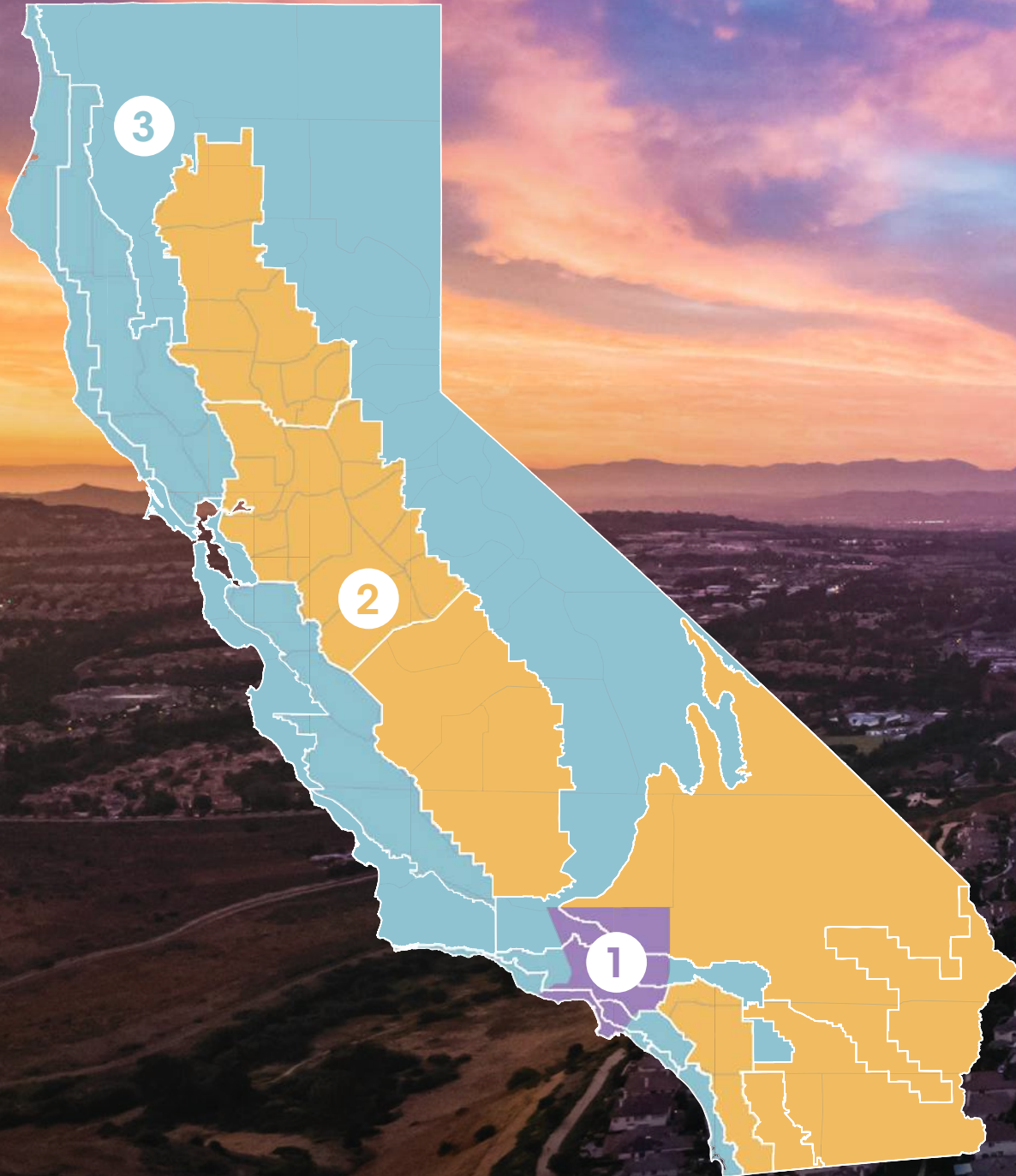




**The StainGuard Plus™ Algae Protection Limited Warranty,** powered by time-release algae-fighting technology, offers a 25-year limited warranty against blue-green algae discoloration<sup>2</sup> on all GAF California Cool® Shingles — essential for homes in hot, humid, and coastal climates like California.

<sup>2</sup> 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus™ logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.







# California Cool<sup>®</sup> Zone-by-Zone

California applies its Building Energy Efficiency Standards (Title 24, Part 6) according to 16 climate zones across the state and a separate climate zone for Los Angeles. The map and table illustrate how all climate zones demand one of three different SRI (solar reflective index) minimums. Providing the best service for your customers means knowing their California Climate Zone.

GAF's California Cool<sup>®</sup> Shingles come in an array of beautiful color blends and are designed to comply with select California cool roof requirements. That means you can stay cool without compromising on style.

Area/Location	SRI	Requirements	Shingle Color Options
<b>1</b> Los Angeles County	20	Mandatory	<b>Timberline HDZ<sup>®</sup> RS:</b> all colors
			<b>Timberline HDZ<sup>®</sup>:</b> Birchwood & Golden Amber
			<b>Grand Sequoia<sup>®</sup> RS:</b> all colors
<b>2</b> Climate zones 10–15 (Title 24, Part 6)	16	Tradeoff	<b>Timberline HDZ<sup>®</sup> RS:</b> all colors
			<b>Timberline HDZ<sup>®</sup>:</b> Birchwood, Copper Canyon & Golden Amber
			<b>Grand Sequoia<sup>®</sup> RS:</b> all colors
<b>3</b> Climate zones 1–9, 16 (Title 24, Part 6)	None	No requirements	<b>Timberline HDZ<sup>®</sup>:</b> all colors



# GAF Timberline HDZ<sup>®</sup> RS

Reflector Series™ Lifetime<sup>†</sup> Shingles



## Charcoal

This dark, rich gray is a favorite, thanks to its flexibility. Pairing well with both warm and cool colors, Charcoal makes a statement on a wide range of home styles.

\*\*Calculated using the Title 24 Solar Reflective Index (SRI) Calculation Worksheet.

**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.



\*Can be used to comply with 2022 Title 24 Part 6 Cool Roof requirements of the California Code of Regulations





# Timberline<sup>®</sup> HDZ<sup>®</sup> RS

Reflector Series™ Lifetime<sup>†</sup> Shingles



## Hickory

This appealing brown shade has the added element of a red undertone. Hickory looks truly grand on homes with warm neutrals of brown and beige, as well as with yellows and golds.

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# Timberline<sup>®</sup> HDZ<sup>®</sup> RS

Reflector Series™ Lifetime<sup>†</sup> Shingles



## Stone Gray

This charming gray has a blue note to it, making it cooler and more versatile. A natural complement to all other grays and blues, Stone Gray also performs well alongside yellows, creams, and ivories.



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# Timberline<sup>®</sup> HDZ<sup>®</sup> RS

Reflector Series™ Lifetime<sup>†</sup> Shingles



MEETS  
SRI 21\*\*

## Sagewood

Blending beautifully with nature, Sagewood straddles the line between warm and cool tones. It works extremely well as a companion to sages, creams, ivories, and any shade of beige.



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# Timberline<sup>®</sup> HDZ RS

Reflector Series™ Lifetime<sup>†</sup> Shingles



## Aged Chestnut

This nature-inspired brown pairs beautifully with most other warm exterior colors, such as beige, taupe, cream, gold, and yellow. Aged Chestnut's genuine wood-shake look in an asphalt shingle will give your home a warm, inviting feel.

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# Timberline<sup>®</sup> HDZ<sup>®</sup> RS

Reflector Series™ Lifetime<sup>†</sup> Shingles



## Coastal Slate

This cool gray asphalt shingle has a lovely green undertone — similar to traditional slate. Coastal Slate coordinates effortlessly with both grays and greens on the cool side, as well as with white, cream, and ivory exterior colors.

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# Timberline<sup>®</sup> HDZ<sup>®</sup> RS

Reflector Series™ Lifetime® Shingles



## Sandalwood

Reminiscent of a windswept shoreline, this inviting shingle pairs comfortably with beige, brown, and golden tones. Extremely versatile and welcoming, Sandalwood complements virtually any style of home.

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## Birchwood

This soft, neutral shade of gray flatters homes that feature clean lines. Characterized by its subtle tints, Birchwood harmonizes perfectly with city or suburban environments.



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## Copper Canyon

This shingle makes a defining statement. Copper Canyon dances with several different hues, highlighted with a spicy nutmeg tone throughout — making it an ideal choice for pairing with both grays and browns.



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## Golden Amber

Golden Amber exhibits a refreshing, warm tone, with hints of brown, cinnamon, and beige. This shingle works very well with lighter exteriors, such as clay and other tan-based colors.



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# It's the look of rustic handcrafted shakes in a cool roof

For an organic look that complements — but never competes with — your natural surroundings, consider the rustic contours of Grand Sequoia® RS asphalt shingles.

The rugged, oversized features of Grand Sequoia® RS Shingles echo the majesty of their namesake giant redwoods, and are perfectly suited to the scale of a larger home.



# GAF Grand Sequoia RS

Reflector Series™ Lifetime† Shingles



## Charcoal

This dark rich gray is a favorite, thanks to its flexibility. Pairing well with both warm and cool colors, Charcoal makes a statement on a wide range of home styles.



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# GAF GrandSequoia® RS

Reflector Series™ Lifetime† Shingles



## Ocean Gray

This distinctive gray has cool blue-green nuances. Ocean Gray is a perfect background for grays, whites, and blue-greens, as well as white, cream, and ivory exterior colors.

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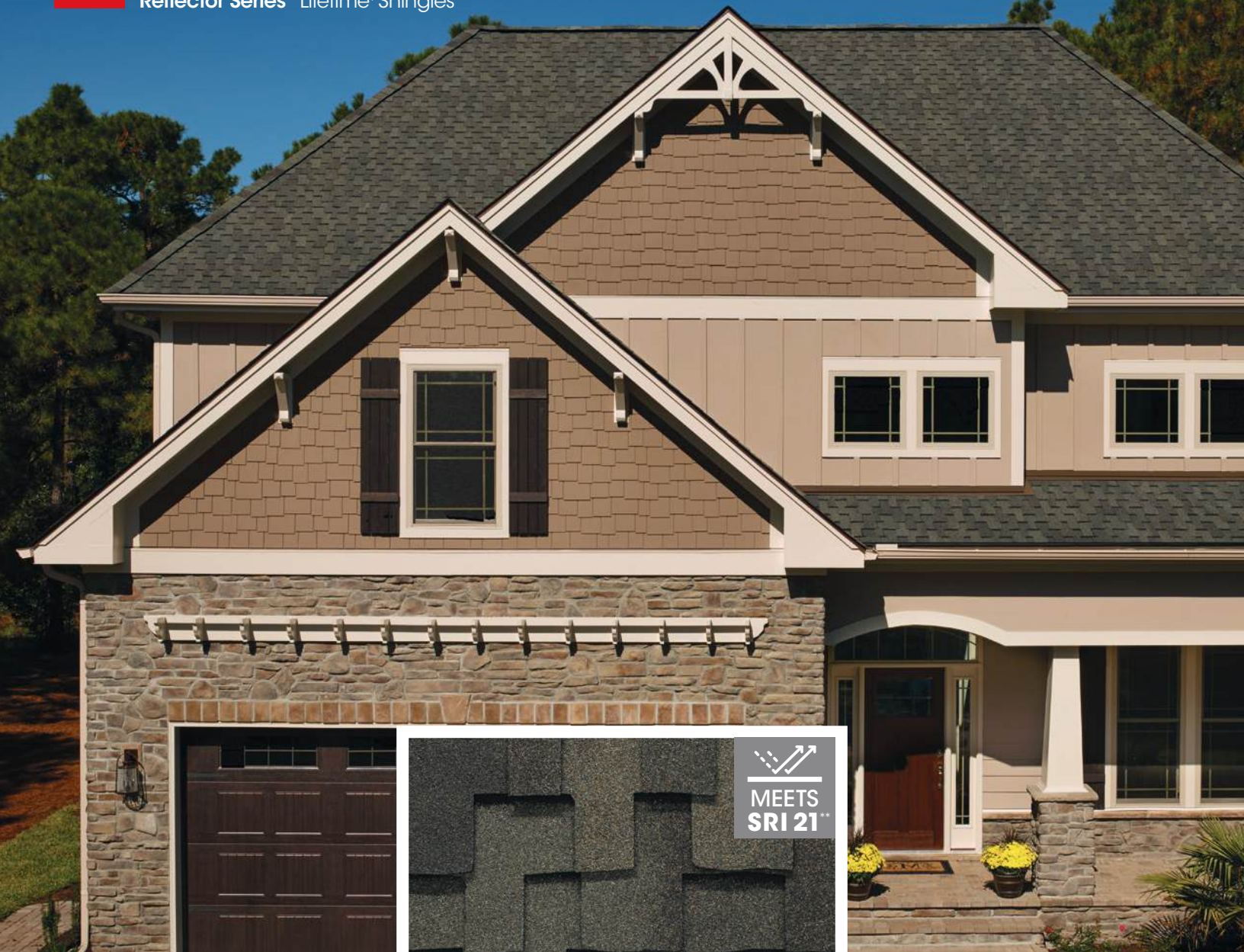


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# GAF GrandSequoia® RS

Reflector Series™ Lifetime<sup>†</sup> Shingles



## Sagewood

Blending beautifully with nature, Sagewood straddles the line between warm and cool tones. It works extremely well as a companion to sages, creams, ivories, and any shade of beige.



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# GAF GrandSequoia® RS

Reflector Series™ Lifetime† Shingles



## Sandalwood

Reminiscent of a windswept shoreline, this inviting shingle pairs comfortably with beige, brown, and golden tones. Extremely versatile and welcoming, Sandalwood complements virtually any style of home.

\*\*Calculated using the Title 24 Solar Reflective Index (SRI) Calculation Worksheet.

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# GAF GrandSequoia® RS

Reflector Series™ Lifetime® Shingles



## Forest Brown

This deep brown has welcoming warmth and charm. The dark tones of Forest Brown are ideal finishes for any home exterior.








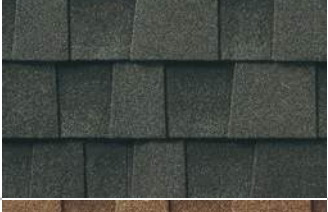

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# California Cool® Shingle Product Info




Timberline HDZ® RS		Initial Reflectivity	Initial Emissivity	Aged Reflectivity	Aged SRI	CRRC Product ID#
Charcoal		0.21	0.92	0.21*	21*	0676-0136b
Hickory		0.21	0.92	0.21*	21*	0676-0138a
Stone Gray		0.21	0.93	0.22*	22*	0676-0137b
Sagewood		0.22	0.92	0.21*	21*	0676-0132b
Aged Chestnut		0.21	0.92	0.21*	21*	0676-0130b
Coastal Slate		0.21	0.92	0.21*	21*	0676-0131b
Sandalwood		0.23	0.92	0.22*	22*	0676-0133b

\* Calculated using the Title 24 Solar Reflective Index (SRI) Calculation Worksheet.






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Timberline HDZ®		Initial Reflectivity	Initial Emissivity	Aged Reflectivity	Aged SRI	CRRC Product ID#
Birchwood		0.20	0.92	0.23	24	0676-0096
Copper Canyon		0.17	0.92	0.18	17	0676-0097
Golden Amber		0.20	0.92	0.22	21	0676-0098

## Grand Sequoia® RS

Charcoal		0.21	0.92	0.21*	21*	0676-0143b
Ocean Gray		0.22	0.92	0.22*	21*	0676-0142a
Sagewood		0.22	0.92	0.21*	21*	0676-0139b
Sandalwood		0.22	0.92	0.21*	21*	0676-0141b
Forest Brown		0.22	0.92	0.21*	21*	0676-0140b

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# We set out to build the best shingle and built the best wind warranty, too



**GAF** TimberlineHDZ<sup>®</sup> RS  
Reflector Series Lifetime Shingles



## It's more than a roof shingle — it's an industry first

When installed with the required combination of four qualifying GAF Accessories, Timberline HDZ<sup>®</sup> RS Shingles are eligible for the WindProven<sup>™</sup> Limited Wind Warranty, the industry's first wind warranty with no maximum wind speed limitation.<sup>1</sup>

Visit [gaf.com/LayerLock](https://gaf.com/LayerLock)

A **stan**dard INDUSTRIES COMPANY

We protect what matters most<sup>™</sup>

**GAF**

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