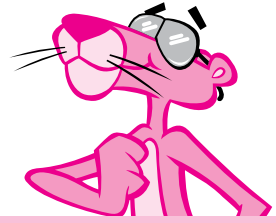




Cool Roof Colors Collection

Owens Corning® Shingles Meet Title 24 Requirements



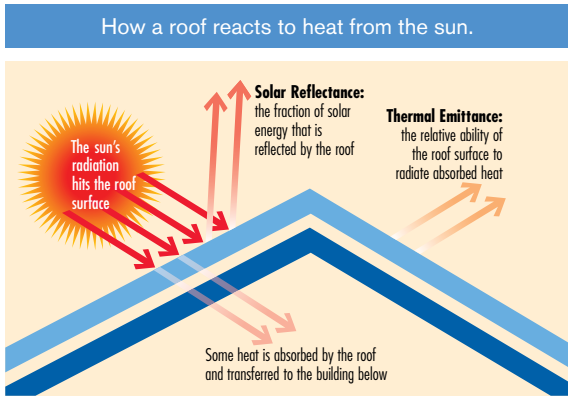
TruDefinition® Duration® COOL Mountainside†

In addition to meeting Title 24 requirements, **Owens Corning®** Cool Roof Colors Collection Shingles meet Property Assessed Clean Energy (PACE) Financing Programs requirements.



Owens Corning® COOL Roof Colors Collection

Meet Prescriptive Cool Roof Requirements in California Title 24 and Other Compliance Programs



Source: Cool Roof Rating Council(<http://www.coolroofs.org>)

jurisdictions have adopted provisions, programs and incentives to gain alignment. As of January 1, 2015, Los Angeles was the first major city to require "Cool Roofs" on steep-sloped residential and commercial roofs. This is a direct result of Climate Resolve's "Hot City, Cool Roofs" campaign that pushed for policy and solutions to reduce the urban heat island effect. To encourage the adoption of this provision, the Los Angeles Department of Water and Power (LADWP) is offering a rebate for installation of Cool Roofs. For more information on rebates offered by the LADWP, please visit www.ladwp.com/crp.

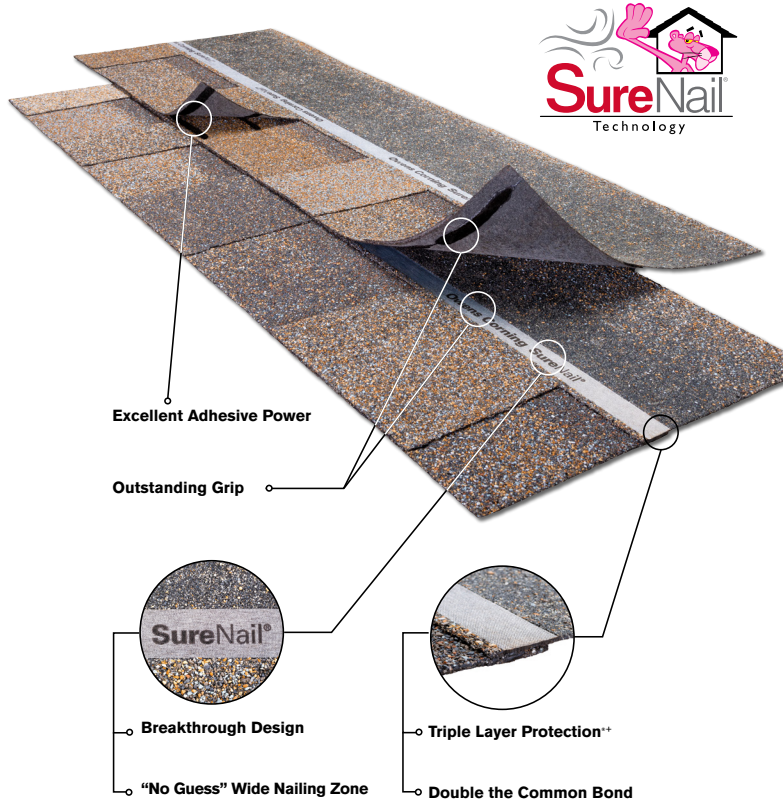
Cool Roofs may help reduce energy use by using shingles with solar-reflecting granules^{††}. The energy efficiency of cool roofs is supported by several Property Assessed Clean Energy (PACE) financing programs.

Since the revised California Energy Code (Title 24, Part 6) that called for increased energy efficiency in homes and commercial buildings went into effect in 2014, local

Trust the Grip of the SureNail® Strip™.

There is a line between a good shingle and a great shingle™.

It's the nailing line on your shingles. The difference between a good shingle and a great shingle is having **SureNail® Technology**. This unique shingle design provides outstanding gripping power.



Owens Corning® COOL Roof Shingles	Meets ENERGY STAR® Requirements	CRRC Product ID	Warranty Length	Solar Reflectance	Thermal Emittance	Solar Reflectance Index (SRI)
Duration® Premium COOL Frosted Oak^ ^ ^		0890-0005	Limited Lifetime ^{††}	0.28	0.91	30
Duration® Premium COOL Harbor Fog^ ^ ^		0890-0004	Limited Lifetime ^{††}	0.30	0.90	32
Duration® Premium COOL Sage^ ^ ^		0890-0003	Limited Lifetime ^{††}	0.29	0.88	30
Duration® Premium COOL Sunrise ^ ^ ^		0890-0006	Limited Lifetime ^{††}	0.28	0.91	30
TruDefinition® Duration® COOL Forest Brown^ ^ ^		0890-0018	Limited Lifetime ^{††}	0.19◊	0.90◊◊	18 ^{††}
TruDefinition® Duration® COOL Mojave^ ^ ^		0890-0017	Limited Lifetime ^{††}	0.19◊	0.90◊◊	18 ^{††}
TruDefinition® Duration® COOL Mountainside^ ^ ^		0890-0016	Limited Lifetime ^{††}	0.20◊	0.90◊◊	19 ^{††}
TruDefinition® Duration® COOL Night Sky^ ^ ^		0890-0026	Limited Lifetime ^{††}	0.18◊	0.90◊◊	16 ^{††}
TruDefinition® Duration® COOL Summerwood^ ^ ^		0890-0015	Limited Lifetime ^{††}	0.20◊	0.90◊◊	19 ^{††}
TruDefinition® Duration® Amber^ ^ ^		0890-0009	Limited Lifetime ^{††}	0.21◊	0.92◊◊	21 ^{††}
TruDefinition® Duration® Antique Silver^ ^ ^		0890-0011	Limited Lifetime ^{††}	0.21◊	0.92◊◊	21 ^{††}
TruDefinition® Duration® Oyster Shell^ ^ ^		0890-0012	Limited Lifetime ^{††}	0.22◊	0.92◊◊	22 ^{††}
TruDefinition® Duration® Shasta White^ ^ ^		0890-0008	Limited Lifetime ^{††}	0.29	0.87	29
TruDefinition® Duration® Sierra Gray^ ^ ^		0890-0013	Limited Lifetime ^{††}	0.20◊	0.92◊◊	20 ^{††}
Oakridge® Amber		0890-0009	Limited Lifetime ^{††}	0.21◊	0.92◊◊	21 ^{††}
Oakridge® Antique Silver		0890-0011	Limited Lifetime ^{††}	0.21◊	0.92◊◊	21 ^{††}
Oakridge® Oyster Shell		0890-0012	Limited Lifetime ^{††}	0.22◊	0.92◊◊	22 ^{††}
Oakridge® Sand Castle		0890-0020	Limited Lifetime ^{††}	0.18◊	0.92◊◊	17 ^{††}
Oakridge® Shasta White		0890-0002	Limited Lifetime ^{††}	0.28	0.91	30
Oakridge® Sierra Gray		0890-0013	Limited Lifetime ^{††}	0.20◊	0.92◊◊	20 ^{††}
Supreme® Amber		0890-0014	25 Years	0.22◊	0.92◊◊	22 ^{††}
Supreme® Aspen Gray		0890-0010	25 Years	0.20◊	0.92◊◊	20 ^{††}
Supreme® Shasta White		0890-0001	25 Years	0.29	0.92	31

Owens Corning® shingle products listed above are also found on the CRRC Rated Product directory: <http://coolroofs.org/products/results>.

Duration® Premium COOL Shingles



Frosted Oak†



Harbor Fog†



Sage†



Sunrise†



TruDefinition® Duration® COOL Shingles



Forest Brown†



Mojave†



Mountainside†



Night Sky†



Summerwood†



TruDefinition® Duration® Shingles



Amber†



Antique Silver†



Oyster Shell†



Shasta White†



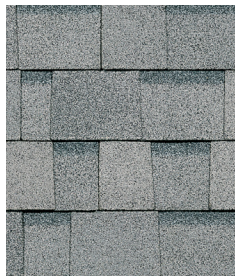
Sierra Gray†



Oakridge® Shingles



Amber†



Antique Silver†



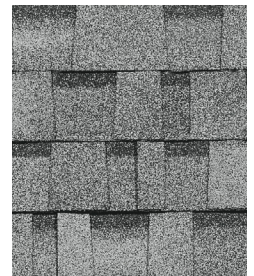
Oyster Shell†



Sand Castle†



Shasta White†



Sierra Gray†

Supreme® Shingles



Amber†



Aspen Gray†



Shasta White†

TOTAL PROTECTION SIMPLIFIED™



Owens Corning® Total Protection Roofing System®^ integrates engineered

Owens Corning® components that work together to address these three primary performance areas, critical to a high-performance roof, while also making it easy to understand the importance of each. **With Owens Corning, it's easy to confidently deliver total protection, beauty and peace of mind.**

SEAL.

HELPS CREATE A WATER-PROOF BARRIER
Ice & Water Barrier
Synthetic Underlayment

DEFEND.

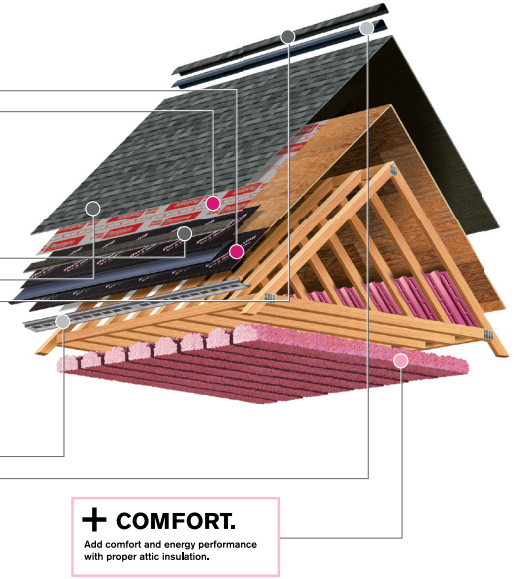
HELPS PROTECT AGAINST NATURE'S ELEMENTS
Starter Shingles
Shingles
Hip & Ridge Shingles

BREATHE.

FOR BALANCED ATTIC VENTILATION
Intake Vents
Exhaust Vents

+ COMFORT.

Add comfort and energy performance with proper attic insulation.



	Product Attributes				Product Specifications				Applicable Standards and Codes										
	Warranty Length*	Wind Resistance Limited Warranty*	Algae Resistance Limited Warranty*	TruPROtection® Non-Prorated Limited Warranty* Period	Nominal Size	Exposure	Shingles per Square	Bundles per Square	Coverage per Square	ASTM D228	ASTM D3018 (Type 1)	ASTM D3161 (Class F Wind Resistance)	ASTM D3462	ASTM D7158 (Class H Wind Resistance)	ASTM E108/UL 790 (Class A Fire Resistance)	Florida Product Approval	ICC-ES AC438#	UL ER2453-01##	UL ER2453-02##
Owens Corning® Shingle Collection																			
Duration® Premium COOL Shingles	Limited Lifetime§/†	130 MPH	10 Years	10 Years	13 1/4" x 39 3/8"	5 5/8"	64	4	98.4 sq. ft.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TruDefinition® Duration® COOL Shingles	Limited Lifetime§/†	130 MPH	10 Years	10 Years	13 1/4" x 39 3/8"	5 5/8"	64	3	98.4 sq. ft.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TruDefinition® Duration® Shingles	Limited Lifetime§/†	130 MPH	10 Years***	10 Years	13 1/4" x 39 3/8"	5 5/8"	64	3	98.4 sq. ft.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oakridge® Shingles	Limited Lifetime§/†	110/130 MPH**	10 Years***	10 Years	13 1/4" x 39 3/8"	5 5/8"	64	3	98.4 sq. ft.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Supreme® Shingles	25-Year Limited	60 MPH	10 Years***	5 Years	13 1/4" x 39 3/8"	5 5/8"	65	3	99.98 sq. ft.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Shasta White color meets ENERGY STAR® requirements for initial solar reflectance of 0.25 and 3-year aged solar reflectance of 0.15; 2013 California Building Energy Efficiency Standards, Title 24, Part 6 requirements; rated by the Cool Roof Rating Council (CRRC).

* See actual warranty for complete details, limitations and requirements.

** 110 MPH is standard with 4-nail application. 130 MPH is applicable only with 6-nail application and Owens Corning® Starter Shingle products application along eaves and rakes in accordance with installation instructions.

† Owens Corning strives to accurately reproduce photographs of shingles. Due to manufacturing variances, the limitations of the printing process and the variations in natural lighting, actual shingle colors and granule blends may vary from the photo. The pitch of your roof can also impact how a shingle looks on your home. We suggest that you view a roofing display or several shingles to get a better idea of the actual color. To accurately judge your shingle and color choice, we recommend that you view it on an actual roof with a pitch similar to your own roof prior to making your final selection. Color availability subject to change without notice. Ask your professional roofing contractor for samples of colors available in your area.

†† SRI calculation based on calculated aged solar reflectance and initial thermal emittance. SRI is calculated using California Energy Commission SRI calculator worksheet and it is calculated in accordance with ASTM E1980.

§ For as long as you own your home.

◇ Aged solar reflectance calculated based on equation provided in California Energy Code (Title 24, Part 6).

◇◇ Indicates initial thermal emittance.

^^ Features Patented SureNail® Technology.

‡ 40-year Limited Warranty on commercial projects.

*** Algae Resistance available on a regional basis.

International Code Council Evaluation Services Acceptance Criteria for Alternative Asphalt Shingles.

1998 NIST study.

Underwriters Laboratories Evaluation Service Evaluation Report.

ENERGY STAR® and the ENERGY STAR® mark are registered trademarks of the U.S. Environmental Protection Agency.

^ Excludes non-Owens Corning® roofing products such as flashing, fasteners and wood decking.

SureNail® Technology is proprietary with U.S. and foreign protection including U.S. Patent Nos. 6,471,812; 7,836,654; 8,156,704; 8,181,413; 8,240,102; 8,430,983; 8,607,521; 8,623,164; 8,752,351; 8,991,130; 9,121,178; and other patents pending.

SureNail® Technology is not a guarantee of performance in all weather conditions.

SureNail® Technology is available only on Owens Corning Duration® Series Shingles.

+ The amount of Triple Layer Protection® may vary on shingle-to-shingle basis.



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