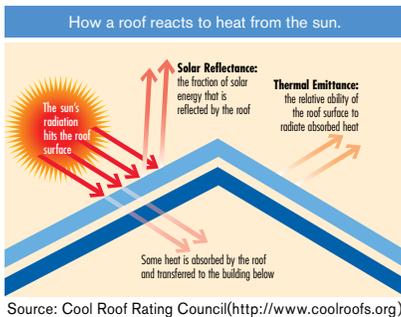




Your Cool Roof Solution

Owens Corning™ Shingles That Meet Title 24 Requirements

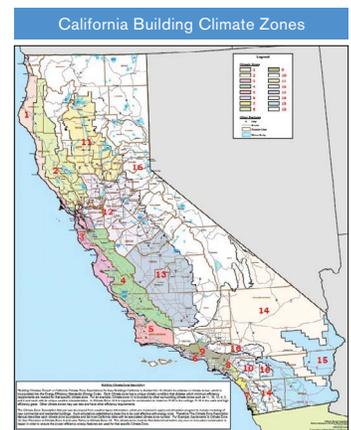


The 2013 California Energy Code – also known as Title 24, Part 6 – will go into effect on July 1, 2014. The revised standard calls for increased energy efficiency in homes and commercial buildings. One of the solutions for many consumers and business owners to meet the new standard is to choose “Cool Roof” shingles when installing a new or replacement roof.

Asphalt shingles that qualify as Cool Roof products feature highly reflective color granules that may help lower the energy bills by keeping surface of the roof at lower temperatures.*

Owens Corning Roofing asphalt shingles listed in the Table below meet the prescriptive requirements in the 2013 California Energy Code for steep-slope roofs (slope > 2:12) on residential and nonresidential buildings. A minimum 3-year aged solar reflectance of 0.20, a minimum thermal emittance of 0.75 or a minimum solar reflectance index (SRI) of 16 is required for:**

- Low-rise residential buildings in climate zones 10 through 15
- High-rise residential buildings in climate zones 2 through 15
- Nonresidential buildings in climate zones 1 through 16



Source: California Energy Commission http://www.energy.ca.gov/maps/renewable/building_climate_zones.html

Owens Corning™ Roofing offers many high-performance shingles that meet Title 24, Part 6, requirements:



Owens Corning™ Shingle	CRRC Product ID	Warranty	Solar Reflectance		Thermal Emittance		Solar Reflective Index (SRI)	
			Initial	Aged (3-year)	Initial	Aged (3-year)	Initial	Aged (3-year)
Duration® Premium Cool Harbor Fog	0890-0004	Lifetime	0.27	0.30	0.89	0.90	28	32
Duration® Premium Cool Frosted Oak	0890-0005	Lifetime	0.28	0.28	0.89	0.91	29	30
Duration® Premium Cool Sage	0890-0003	Lifetime	0.28	0.29	0.90	0.88	29	30
Duration® Premium Cool Sunrise	0890-0006	Lifetime	0.26	0.28	0.89	0.91	26	30
TruDefinition® Duration® Shasta White	0890-0008	Lifetime	0.25	0.28	0.94	0.91	27	30
Oakridge® Shasta White	0890-0002	Lifetime	0.26	0.28	0.90	0.91	27	30
Supreme® Shasta White	0890-0001	25-year	0.27	0.29	0.89	0.92	28	31

Contact your Owens Corning™ Roofing Area Sales Manager to find out more about why Owens Corning™ shingles are your solution to meeting Cool Roof requirements in California's Title 24.



* Estimated roof surface temperature reduction based on 1998 NIST study, Analytical Study of Residential Buildings with Reflective Roofs. A temperature reduction is representative of a change from a typical roof to a Cool Roof (solar reflectance 10 to 25) in most climates.

** Certain exceptions apply for re-roof applications, such as, minimum ceiling (floor attic) insulation of R-38 for steep-slope roofs on low-rise residential buildings.

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