



Title 24, Part 6, of the California Code of Regulations: California's Energy Efficiency Standards for Residential and Nonresidential Buildings
Summary of the adopted 2008 Cool Roof Prescriptive Requirements (as of 6/30/08)
 Original CEC documents available at: <http://www.energy.ca.gov/title24/2008standards/rulemaking/documents/index.html>

Section		Construction Type	Occupancy Type	Slope	Roofing Product Density	Climate Zone	Minimum 3 year Aged Solar Reflectance	Minimum Thermal Emittance	Minimum Solar Reflectance Index (SRI)	Notes	Page
143	Prescriptive	New Construction	Non residential	Low Slope	N/A	Zones 2-15	0.55	0.75	64	*Exceptions	127
143	Prescriptive	New Construction	Non residential	Steep Slope	<5 pounds/ft ²	Zones 2-16	0.2	0.75	16	*Exceptions	127
143	Prescriptive	New Construction	Non residential	Steep Slope	> or = 5 pounds/ft ²	Zones 1-16	0.15	0.75	10	*Exceptions	127
143		New Construction	High rise residential buildings, hotels, motels	Low Slope	N/A	Zones 10,11,13,14,15	0.55	0.75	64	*Exceptions	127
143 c		New Construction	Relocatable Public School Buildings Where Manufacturer certifies use in all climate zones	Low Slope	N/A	Zones ALL	0.55	0.75			134
143 c		New Construction	Relocatable Public School Buildings Where Manufacturer certifies use in all climate zones	Steep Slope	<5 pounds/ft ²	Zones ALL	0.2	0.75			134
143 c		New Construction	Relocatable Public School Buildings Where Manufacturer certifies use in all climate zones	Steep Slope	> or = 5 pounds/ft ²	Zones ALL	0.15	0.75			134
149		Re-Roofing (Replacements, recovering or recoating)	Non-residential	Low Slope	N/A	Zones 2-15	0.55	0.75	64	* Where more than 50% of the roof or more than 2,000 square feet of roof, whichever is less is being replaced, recovered or relocated. *Exceptions	186
149		Re-Roofing (Replacements, recovering or recoating)	Non-residential	Steep Slope	<5 pounds/ft ²	Zones 2-16	0.2	0.75	16	* Where more than 50% of the roof or more than 2,000 square feet of roof, whichever is less is being replaced, recovered or relocated. *Exceptions	186
149		Re-Roofing (Replacements, recovering or recoating)	Non-residential	Steep Slope	> or = 5 pounds/ft ²	Zones 1-16	0.15	0.75	10	* Where more than 50% of the roof or more than 2,000 square feet of roof, whichever is less is being replaced, recovered or relocated. *Exceptions	186
149		Re-Roofing (Replacements, recovering or recoating)	High rise residential buildings, hotels, motels	Low Slope	N/A	Zones 10,11,13,14,15	0.55	0.75	64	* Where more than 50% of the roof or more than 2,000 square feet of roof, whichever is less is being replaced, recovered or relocated. *Exceptions	186
151	Prescriptive	New Construction	Low Rise Residential	Steep Slope	<5 pounds/ft ²	Zones 10-15	0.2	0.75	16	*Exceptions	209
151	Prescriptive	New Construction	Low Rise Residential	Steep Slope	> or = 5 pounds/ft ²	Zones 1-16	0.15	0.75	10	*Exceptions	209
151	Prescriptive	New Construction	Low Rise Residential	Low Slope	N/A	Zones 13 and 15	0.55	0.75	64	*Exceptions	209
151	Prescriptive	Re-Roofing	Low Rise Residential	Low Slope	N/A	Zones 13 and 15	0.55	0.75	64	*Exceptions	209
152	Prescriptive	Re-Roofing (Replacements)	Low Rise Residential	Steep Slope	<5 pounds/ft ²	Zones 10-15	0.2	0.75	16	* Where more than 50% of the roof or more than 1,000 square feet of roof, whichever is less is being replaced, recovered or relocated. *Alternatives/Exceptions	218
152	Prescriptive	Re-Roofing (Replacements)	Low Rise Residential	Steep Slope	>5 pounds/ft ²	Zones 1-16	0.15	0.75	10	* Where more than 50% of the roof or more than 1,000 square feet of roof, whichever is less is being replaced, recovered or relocated. *Alternatives/Exceptions	219

Equation to obtain an aged value if the product does not have an aged Value listed in the CRRC Directory and only has the current value:

$$* REFLECTANCE_{AGED} = (0.2 + 0.7[\rho_{in} - 0.2])$$

* ρ_{in} = Initial Reflectance listed with the CRRC

