

**Title 24, Part 6, of the California Code of Regulations: California's Energy Efficiency Standards for Residential and Nonresidential Buildings
Summary of the 2016 Cool Roof Requirements**

Original CEC documents available at: <http://www.energy.ca.gov/2015publications/CEC-400-2015-037/CEC-400-2015-037-CMF.pdf>

THIS IS NOT AN OFFICIAL CODE COMPLIANCE DOCUMENT. PLEASE REFER TO THE ACTUAL CODE FOR THE FULL REQUIREMENTS.

Section		Construction Type	Occupancy Type	Slope	Climate Zone	Minimum 3 year Aged Solar Reflectance	Minimum Thermal Emittance	Minimum Solar Reflectance Index (SRI)	Notes	Page
140.3(a)1Aia	Prescriptive	New Construction	Nonresidential	Low Slope	Zones ALL	0.63	0.75	75	*Exceptions	174-175, 180
140.3(a)1Aib	Prescriptive	New Construction	Nonresidential	Steep Slope	Zones ALL	0.20	0.75	16	*Exceptions	174-175, 180
140.3(a)1Aiaa	Prescriptive	New Construction	High rise residential buildings, hotels, motels	Low Slope	Zones 10,11,13,14,15	0.55	0.75	64	*Exceptions	174-175, 180
140.3(a)1Aiab	Prescriptive	New Construction	High rise residential buildings, hotels, motels	Steep Slope	Zones 2 - 15	0.20	0.75	16		174-175, 180
140.3(a)8	Prescriptive	New Construction	Relocatable Public School Buildings Where Manufacturer certifies use in all climate zones	Low Slope	Zones ALL	0.63	0.75	75		177-178, 180
140.3(a)8	Prescriptive	New Construction	Relocatable Public School Buildings Where Manufacturer certifies use in all climate zones	Steep Slope	Zones ALL	0.20	0.75	16		177-178, 180
141.0(b)2Bia	Prescriptive	Re-Roofing (Replacements, recovering or recoating)	Nonresidential	Low Slope	Zones ALL	0.63	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	223-224
141.0(b)2Bib	Prescriptive	Re-Roofing (Replacements, recovering or re-coating)	Nonresidential	Steep Slope	Zones ALL	0.20	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	223-224
141.0(b)2Biaa	Prescriptive	Re-Roofing (Replacements, recovering or re-coating)	High rise residential buildings, hotels, motels	Low Slope	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	223-224
141.0(b)2Biib	Prescriptive	Re-Roofing (Replacements, recovering or re-coating)	High rise residential buildings, hotels, motels	Steep Slope	Zones 2 - 15	0.20	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	223-224
150.1(c)11A	Prescriptive	New Construction	Low Rise Residential	Steep Slope	Zones 10-15	0.20	0.75	16		252-253
150.1(c)11AB	Prescriptive	New Construction	Low Rise Residential	Low Slope	Zones 13 and 15	0.63	0.75	75	*Exceptions	252-253
150.2(b)1H	Prescriptive	Re-Roofing (Replacements, recovering or re-coating)	Low Rise Residential	Steep Slope	Zones 10-15	0.20	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	260
150.2(b)1H	Prescriptive	Re-Roofing (Replacements, recovering or re-coating)	Low Rise Residential	Low Slope	Zones 10-15	0.63	0.75	75	* 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	260
150.2(b)2	Performance	Re-Roofing (Replacements, recovering or re-coating) Tradeoffs	Low Rise Residential	Low Slope	See code	See code	See code	See code	See code	236-237

Equation to obtain an aged value if the product does not yet have an aged value listed in the CRRC Directory:

* Aged Reflectance_{calculated}=(0.2+ β[p_{initial}- 0.2])

* p_{initial} = Initial Reflectance listed with the CRRC

β= 0.65 for Field Applied Coating, or 0.70 for Not a Field Applied Coating

Title 24 Energy Hotline

(800) 772-3300 (within CA)

(916) 654-5106 (outside CA)