

New 2008 Title-24 Roofing Requirements

Cool Roofs are required for new construction, significant repairs of existing roofs, re-roofing, plus additions and alterations of existing buildings and homes.

All roofing products must be certified and labeled according to the Cool Roof Rating Council (CRRC) to comply with the Standards.

Cool Roof Product Specifications for Palmdale Climate Zone 14

Low Sloped (Less than 2:12 pitch)	Aged Solar Reflectance	No Requirements
	Thermal Emittance	No Requirements
Steep Sloped (less than 5 lb/ft ² 2:12 pitch or greater)	Aged Solar Reflectance	0.20
	Thermal Emittance	0.75
Steep Sloped (5 lb/ft ² or more 2:12 pitch or greater)	Aged Solar Reflectance	0.15
	Thermal Emittance	0.75

Roofing product you select must meet these numbers and be certified by the Cool Roof Rating Council, (CRRC) on the package. There are cool roof products sold in California that are Energy Star Certified but do not qualify.

Re-Roofs

Cool roof requirements are triggered when either 50 percent of the roof area or more than 1,000 sq. ft., whichever is less is replaced. The cool roof requirements for re-roofs are the same as for new construction. However if one of the exceptions below applies then the cool roof requirement does not apply.

Exceptions:

1. Buildings with no ducts in the attic, or
2. A radiant barrier is installed in the attic meeting the radiant barrier requirements or,
3. Buildings with at least R-30 ceiling insulation or,
4. R-3 or greater roof deck insulation above a vented attic, or
5. Existing ducts in the attic are insulated and sealed and HERS tested or,
6. Insulation with a thermal resistance of at least 0.85hr ft² degree F/btu or at least 3/4 inch air-space is added to the roof deck over an attic, or
7. If the building can show compliance using the performance approach (Title-24 calculation)