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"Partnering to Improve Consistency & Customer Service"

RESIDENTIAL COOL ROOF REQUIREMENTS

Under the provisions of the 2019 California Energy Code, steep-sloped (2:12 slope and greater) re-roof projects are required to comply with cool roof requirements when more than 50% of the roof is replaced in Climate Zone 11. **ONE** of the items listed below shall be met when completing residential re-roof projects:

Install a compliant cool roof material that is listed in the Cool Roof Rating Council (CRRC) Rated Product Directory (0.20 aged solar reflectance, 0.75 thermal emittance or an SRI of 16). <http://coolroofs.org/products/results>

 <p>CRRC COOL ROOF RATING COUNCIL</p>		Initial	Weathered
	Solar Reflectance	0.00	Pending
	Thermal Emittance	0.00	Pending
	Rated Product ID Number	-----	
	Licensed Seller ID Number	-----	
Classification	Production Line		
<small>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.</small>			
<small>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</small>			

(Cool Roof Product Label Example)

- There are no ducts in the attic space
- Building has at least R-38 roof/ceiling insulation
- Air space of 1" between the roof deck and the bottom of the roofing product
- Roofing product profile ratio of rise to width is at least 1:5 for >50% width of roofing product

High Profile Tile – Tiles having a rise to width ratio greater than 1:5 (measured in installed condition)



- Greater than R-4 insulation above the roof deck
- Roof of attic spaces has a radiant barrier according to CEC Section 150.1(c)2
- Existing ducts in the attic are insulated (minimum R-8) and sealed (with HERS testing) in accordance with CEC Section 150.1(c)9. Attic shall also meet high performance ventilated assembly requirements.

If the entire roof sheathing over a ventilated attic is replaced, roof and ceiling insulation must be installed to meet the following requirements:

- o Radiant barrier installed and R-38 ceiling insulation.
- o R-19 below roof deck and R-38 ceiling insulation.