

Simplified CF-1R-ALT-REROOF for City of El Cajon (Climate Zone 10)

Site Address: _____ Permit #: _____ Date: _____

Residential Cool Roof requirements

Residential roofing products must be certified as “cool roof” by the Cool Roof Rating Council (CRRC).

Exemptions:

- The roofing being replaced is less than 50% of the total roof area of the building.
- The roofing area is less than 1000 square feet
- Roof pitch is less than 2:12
- Insulation being added to the roof deck equal R- .85 (i.e. ¾ plywood)
- ¾ inch air space being added to the roof deck
- Ducts are insulated to R-6 and sealed (must be verified by HERS report)
- Building has R-30 insulation
- Building has 1 square foot of ventilation area for every 150 square foot of attic floor area, and at least 30 percent of the ventilation area is within 2 feet vertical of the roof ridge.
- Building has a radiant barrier in the attic
- Building has no ducts in the attic
- R-3 insulation on roof deck above ventilated attic
- Roofing is covered by integrated photovoltaic panels
- Roof construction having thermal mass over the roof membrane of at least 25 lb per square foot.

Required Forms:

When a cool roof system is required the installer must submit the CF-6R-ENV-01 form at final inspection.

Documentation of Cool Roof Product

CCRC Product ID Number ¹	Roof Slope		Product Weight		Product Type ²	Aged Solar Reflectance ^{3,4}		Thermal Emittance	SRI ⁵
	≤ 2:12	> 2:12	< 5lb/ft ²	≥ 5lb/ft ²					
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			

- The CRRC Product ID number can be obtained from the Cool Roof Rating Council’s Rated Product Directory at www.coolroofs.org/products/search/php
- Indicate the type of product being used for the roof top, i.e. single-ply roof, asphalt roof, metal roof, etc.
- If the Aged Reflectance is not available in the Cool Roof Rating Council’s Rated Product Directory then use the initial Reflectance value from the same directory and use the equation $(0.2+0.7(p_{\text{initial}} - 0.2))$ to obtain a calculated aged value. Where p is the initial solar reflectance.
- Check box if the Aged Reflectance is a calculated value using the equation above.
- Calculate the SRI value by using the SRI-worksheet at <http://www.energy.ca.gov/title24/> and enter the resulting value in the SRI column above and attach a copy of the SRI-Worksheet to the CF-1R form.

Declaration Statement

- I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is accurate and complete.
- I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, parts 1 and 6 of the California Code of Regulations.

Name:	Signature:
Company:	Date:
Address:	License:
City/State/Zip	Phone: