

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

This is to issue permit only. You must still register with a HERS Provider to obtain CF1R and CF2R Certificate of Installation compliance documents.

Site Address: _____ Permit #: _____ Date: _____

Residential Cool Roof Requirements - California Energy Code 110.8, 150.2(b)11

Residential roofing products must be certified as "COOL ROOF" by the Cool Roof Rating Council (CRRC) or have a minimum aged solar reflectance of 0.20 & thermal emittance of 0.75 OR min. SRI of 16, or meet one of the exemptions below...

- The roofing being replaced is less than 50% of the total roof area of the building.
- 1 inch air space between top of roof deck to the bottom of roofing product
- Ducts are insulated R6/R8 and sealed (must be verified by HERS report)
- R-38 insulation
- Radiant barrier in the attic
- No ducts in the attic
- R-2 min. insulation above roof deck
- Roofing is covered by integrated photovoltaic panels

Required Forms:

When a cool roof system is required the installer must submit the CF2R-ENV-04-E form at FINAL inspection.

Documentation of Cool Roof Product

CRRC Product ID Number ¹	Roof Slope		Product Type ²	Aged Solar Reflectance ^{3,4}		Thermal Emittance	SRI ⁵ min 16
	≤ 2:12	> 2:12		min	.20		
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	⁴	.75	
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	⁴	.75	

- The CRRC Product ID number can be obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.org
- 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:

