



City of Placerville

Development Services Department
3101 Center Street, Placerville, CA 95667
Building Division – Phone: (530) 642-5240

Residential Cool Roof Verification

In non-residential re-roofing projects where over 50% of the roof area or more than 2,000 square feet of the roof needs replacement, the roofing product must satisfy the criteria for a cool roof. In low-rise residential roofs, if over 50% of the exterior surface is being replaced, the roofing product must also meet the requirements for a cool roof.

Project Address: _____ **Permit Number:** _____

REQUIREMENTS FOR ROOF COVERING

A Cool Roof with a minimum 0.20 Aged Solar Reflectance, 0.75 Thermal Emittance, or a minimum SRI of 16 is being installed and California Energy Commission form CF-1R-ALT-05-E is attached to the application.

The project meets one of the following Exception(s) to the Prescriptive Measures:

- ☐ At least a 1-inch airspace between the top of the roof deck to the bottom of roofing product.
- ☐ Existing ducts in the attic are insulated and sealed according to § 150.1(c).
- ☐ The new roofing product has a profile ratio of rise to width of 1: 5 for >50% width of roofing product.
- ☐ The building attic area has \geq R-38 ceiling insulation.
- ☐ The building has no ducts in the attic.
- ☐ Roof has an attic radiant barrier meeting the requirements of § 150.1(c)2.
- ☐ There is \geq R-4.0 insulation above the roof deck.
- ☐ Exempt the roofing area covered by building integrated photovoltaic panels and thermal panels.
- ☐ The roof construction has a thermal mass over the membrane of at least 25 lb./ft². (Example sod roof)

Certification: ☐ Required ☐ Exempt

Applicant Signature: _____ **Date:** _____

APPLICANT TO COMPLETE THE PRESCRIPTIVE DESIGN FORM WHEN COOL ROOF IS REQUIRED

This shortened CF1R-ALT form may be used when complying with the replacement of a residential cool roof covering as indicated on the City of Placerville permit application. The CRRC Product ID Number is obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.org/products/results.

Prepared By:

Prescriptive Residential Alterations That Do Not Require HERS Field Verification
CEC-CF1R-ALT-05-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE FOR RE-ROOFS

CF1R-ALT-05-E (short form)

GENERAL INFORMATION

01	Project Name: (owner)		02	Date Prepared:	
03	Project Location:		04	Building Front Orientation (deg or cardinal):	NA
05	CA City:	Placerville	06	Number of Altered Dwelling Units:	NA
07	Zip Code:	95667	08	Fuel Type:	NA
09	Climate Zone:	12	10	Total Conditioned Floor Area (ft²):	
11	Building Type:		12	Slab Area (ft²)	NA
13	Project Scope:	Residential Re-Roof with cool roof	14	Exceptions to Minimum Aged Solar Reflectance and Minimum Thermal or SRI	

ROOF REPLACEMENT (Prescriptive Alteration, Section 150.2(b)1H)

01	02	03	04	05	06	07	08	09	10	11	12	13
Method of Compliance	Roof Pitch	Exception	CRRC Product ID Number	Product Type	R-value Deck Insulation	Proposed				Minimum Required		
						Initial Solar Reflectance	Aged Solar Reflectance	Thermal Emittance	SRI (Optional)	Aged Solar Reflectance	Thermal Emittance	SRI (Optional)
										0.20	0.75	16

NOTES

- Roof area covered by building integrated photovoltaic panels and solar thermal panels are exempt from the above Cool Roof requirements.
- Liquid field applied coatings must comply with installation criteria from section 110.8(i)4.