



ROOF COVERING INSTALLATION CERTIFICATE
CITY OF ENCINITAS
BUILDING INSPECTION DIVISION
505 S. VULCAN AVE., ENCINITAS, CA 92024
(760) 633-2730 / FAX (760) 943-2226

Class A Roof Assembly Required*

The roof covering applied to the structure located at the address indicated below must comply with City of Encinitas Class 'A' Roof requirement and approved testing agency standards. This certification must be completed by the contractor and posted with the inspection record card prior to final inspection.

Address of structure: _____

City, State, Zip code: _____

Permit number: _____

Roofing manufacturer: _____

Listing Agency: _____

Listing Agency approval number: _____

Manufacturer's specification or type: _____

Roofing type: _____ Roof slope: _____

Fire Rating Class A*: _____

*Exceptions: Repairs or replacements not exceeding 50% of roof area, or additions to existing buildings not exceeding 25% of roof area, or additions not exceeding 500 square feet of floor area in a Wildland/Urban Interface Zone, may be of the same material as the existing roof, but in no case less than a class B roof covering assembly.

INSTALLATION:

1. I, the undersigned, certify the required Class 'A' roof assembly for the above referenced project location was installed to the manufacturers approved ICC or UL listing, including roof deck, underlayment, interlayment, insulation and roof covering to this listing.
2. I hereby certify that the roof installed at the above listed address does comply with the approved plans, manufacturer's installation standards and all listing requirements.
3. I certify that I made the pre-roofing inspection for this re-roofing job and that the substrate and/or existing roof covering is dry & adequate for base, is not slate, clay, cement, or asbestos, cement tile; has only one existing roof covering that will be covered by this installation.

By checking this box, I certify that information on this certificate is true and accurate and that I have adhered to Items 1, 2, and 3.

Contractor's Name

Date

License number:

Company Name and address:

Telephone number:

***** COMPLETE ENERGY INFORMATION ON NEXT PAGE *****

Prescriptive Certificate of Compliance: Residential		CF-1R-ALT
Residential Alterations		(Page 3 of 5)
Project Name:	Climate Zone #	# of Stories

ROOFING PRODUCTS (COOL ROOFS) §151(f)12

When the area of exterior roof surface to be replaced exceeds more than 50% of the existing roof area, or more than 1,000 ft², whichever is less, the new roofing area must meet the roofing product "Cool Roof" requirements of §152(b)1Hi, 152(b)1Hii, or 152(b)1Hiii.

Check applicable alternative or exception below if the roof alteration is exempt from the roofing product "Cool Roof" requirements. Note: If any one of the alternatives or exception below is checked, the Aged Solar Reflectance and Thermal Emittance requirements for roofing products in §118(i) are not applicable. Do not fill table below.

- Cool Roofs Not Required in Climate Zones 1-12, 14, and 16 with a Low Sloped. Less or 2:12 pitch.
- Cool Roofs Not Required in Climate Zones 1 through 9 and 16 with a Steep-Sloped Roofs (pitch greater than 2:12) and product unit weight less than 5lb/ft².

Alternatives to §152(b)1Hi and §152(b)Hii, Steep-slope roof (pitch > 2:12)

- Insulation with a thermal resistance of at least 0.85 hr-ft²-°F/Btu or at least a 3/4 inch air-space is added to the roof deck over an attic; or
- Existing ducts in the attic are insulated and sealed according to §151(f)10; or
- In climate zones 10, 12 and 13, with 1 ft² of free ventilation area of attic ventilation for every 150 ft² of attic floor area, and where at least 30 percent of the free ventilation area is within 2 feet vertical distance of the roof ridge; or
- Building has at least R-30 ceiling insulation; or
- Building has radiant barrier in the attic meeting the requirements of §151(f)2; or
- Building has no ducts in the attic; or
- In climate zones 10, 11, 13 and 14, R-3 or greater roof deck insulation above vented attic.

Exception to §152(b)1Hiii, Low-slope roof (pitch ≤ 2:12)

- Building has no ducts in the attic.

Other Exceptions

- Roofing area covered by building integrated; photovoltaic panels and solar thermal panels are exempt from the below Cool Roof criteria.
- Roof constructions that have thermal mass over the roof membrane with at least 25 lb/ft² is exempt from the below Cool Roof criteria.

Note: If no CRRC-I label is available, this compliance method cannot be used, use the Performance Approach to show compliance, otherwise, Check the applicable box below if Exempt from the Roofing Products "Cool Roof" Requirement:

CRRC 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"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		

1. 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
2. Indicate the type of product is being used for the roof top, i.e. single-ply roof, asphalt roof, metal roof, etc.
3. 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 $(0.2 + 0.7(\rho_{initial} - 0.2))$ to obtain a calculated aged value. Where ρ is the Initial Solar Reflectance.
4. Check box if the Aged Reflectance is a calculated value using the equation above.
5. 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 copy of the SRI- Worksheet to the CF-1R.

To apply **Liquid Field Applied Coatings**, the coating must be applied across the entire roof surface and meet the dry mil thickness or coverage recommended by the coatings manufacturer and meet minimum performance requirements listed in §118(i)4. Select the applicable coating:

- Aluminum-Pigmented Asphalt Roof Coating
- Cement-Based Roof Coating
- Other _____