

Prescriptive Certificate of Compliance: Residential Reroof		CF-1R-ALT (pg 3 of 5)
Site Address:	Enforcement Agency: City of Atascadero	Permit Number:

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

When the area of exterior roof surface to be replaced exceeds more than 59% of the existing roof area, or more than 1,000 sq ft, whichever is less, the new roofing area must meet the roofing product "cool Roof" requirements of §152(b)1H, or §152(b)1Hii.

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 projects in §118(i) are not applicable. Do not fill table below.

Cool Roofs Not Required in Climate Zone 4 (Atascadero) with a Low-Sloped roof (2:12 or less pitch).
 Cool Roofs Not Required in Climate Zone 4 (Atascadero) with a Steep-Sloped roof (greater than 2:12 pitch) and product unit weight less than 5lb/sq ft.

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
 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.

Other Exceptions

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

Note: If no CRRC-1 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"/>			
	<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"/>			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			

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 a 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 _____

Documentation Author's Declaration Statement

- I certify that this Certificate of Compliance documentation is accurate and complete

Name:	Signature:
Company:	Date:
Address:	If applicable CEA or CEPE:
City/State/Zip:	Phone: