

Simplified ENV-1C Page 2 of 4, for City of El Cajon (Climate Zone 10)

Site Address: _____ Permit #: _____ Date: _____

Commercial Cool Roof requirements

Commercial 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 2000 square feet.
- Area under the roof is unconditioned.
- Roof area is covered with integrated photovoltaic panels.
- Roof area has thermal mass (Green roof) over the roof membrane with a weight of at least 25 lb/ft².

Documentation of Cool Roof Product (if not exempt)

CCRC Product ID Number ¹	Roof Slope		Product Weight		Product Type ²	Aged Solar Reflectance ³	Thermal Emittance	SRI ⁵	Special Feature ⁶	Pass	Fail ⁷
	≤ 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"/>	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴			<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/>
- Indicate Special Feature on page 2 of the inspection checklist form below.
- If fail then describe on this page of the inspection checklist for and take appropriate action to correct. Verify building plans if necessary.

To apply **Liquid Field 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 section 118(i)4
 Select applicable coating:

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

Special Features Inspection checklist.

- 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: