# SOLAR REFLECTANCE INDEX CALCULATION WORKSHEET



CEC- CF1R-ENV-04-E

# SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

### **CERTIFICATE OF COMPLIANCE**

**Note:** This table completed by ECC Registry.

OR INFORMATION

Project Name:	Enforcement Agency:
Dwelling Address:	Permit Number:
City and Zip Code:	Permit Application Date:

### A. Product Information

01	Tag/ID	
02	Cool Roof Rating Council (CRRC) Product ID Number	
03	Manufacturer	
04	Brand	
05	Model	
06	Product Type	
07	Roof Pitch	

### **B. SRI Calculations**

01	Is Aged Reflectance Listed with Cool Roof Rating Council
01	(CRRC)? (Yes or No)
02	Cool Roof Rating Council (CRRC) Listed Aged Solar
02	Reflectance
03	Initial Solar Reflectance
04	Calculated Aged Solar Reflectance
05	Thermal Emittance

### C. Results

01	Solar Reflectance Index		

Registration Number: Registration Date/Time: ECC Provider:
CA Building Energy Efficiency Standards - 2025 Single-Family Compliance January 1, 2026

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# CEC- CF1R-ENV-04-E

# SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

### **DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip:	Phone:

### RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- 1. The information provided on this Certificate of Compliance is true and correct.
- 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- 5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and shall be made available to the enforcement agency for all applicable inspections. I will take the necessary steps to accomplish this requirement.
- 6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. I will take the necessary steps to accomplish these requirements.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
City/State/Zip:	Phone:

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300

Registration Number: Registration Date/Time:
CA Building Energy Efficiency Standards - 2025 Single-Family Compliance

CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS	CF1R-ENV-04-E
Solar Reflectance Index Calculation Worksheet	(Page 1 of 1)

#### CF1R-ENV-04-E User Instructions

Calculate the Solar Reflectance Index (SRI) value by using SRI Calculation Worksheet found on the California Energy Commission website at: https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2025-building-energy-efficiency.

#### A. Product Information

- 1-6.Tag/ID, Cool Roof Rating Council (CRRC) Product ID Number, Manufacturer, Brand, Model and Product Type should be based on product information from the Cool Roof Rating Council's website. The product directory is located at <a href="https://coolroofs.org/directory/roof">https://coolroofs.org/directory/roof</a> and may be browsed either by viewing all products or by using the search function to find a specific product. Keep in mind that inclusion in the directory does not guarantee that a product will meet the energy code requirements.
- 7. Roof Pitch: Designate the roof slope as either "less than 2:12" (<2:12) or "greater than or equal to 2:12" (≥2:12). A ratio of 2:12 is approximately 9.5 degree slope. The SRI requirement is based partly on the slope of the roof; low-sloped vs. steep-sloped

### **B. SRI Calculations**

- 1. Aged Reflectance Listed with Cool Roof Rating Council (CRRC)?: Indicate whether or not the product's 3-year Aged Solar Reflectance is listed on the CRRC website by selecting either "yes" or "no" from the drop-down list. Depending on your selection, the boxes that you will not need should become blacked out.
- 2. Cool Roof Rating Council (CRRC) Listed Aged Solar Reflectance: If you selected "yes" to box 1, input the CRRC listed 3-year Aged Solar Reflectance.
- 3. Initial Solar Reflectance: If you selected "no" in B01, input the CRRC listed Initial Solar Reflectance value as a decimal between 0 and 1.
- 4. Calculated Aged Solar Reflectance: No input required. The calculator will calculate the Aged Solar Reflectance using the Initial Solar Reflectance once you hit enter or click outside the box.
- 5. Thermal Emittance: Input the value for Thermal Emittance obtained from the CRRC. This value can be either the Initial Thermal Emittance or the 3-year aged value. Note that it also must be a decimal between 0 and 1.

### C. Results

1. Solar Reflectance Index: If you have entered values for both Solar Reflectance and Thermal Emittance, once you press enter or click outside the box, the calculator will calculate the final SRI value. It may take a few moments to obtain a value for the SRI depending on the values you inputted for Reflectance and Emittance. Transfer the proposed SRI value to the "SRI (Optional)" column of the appropriate CF1R-NCB, -ADD, or -ALT certificate of compliance.

## **Documentation Declaration Statements**

- 1. The person who prepared the CF1R will sign and complete the fields for their name, company (if applicable), address, phone number, certification information (if applicable), date and signature (may be electronic).
- 2. The person who is assuming responsibility for the project being built to comply with Title 24, Part 6, will complete the fields for their name, company (if applicable), address, phone number, license number (if applicable), date and signature (may be electronic).