

Roofing and Cool Roofs

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

If more than one person has responsibility for installation of the items on this certificate, each person shall prepare and sign a certificate applicable to the portion of construction for which they are responsible. Alternatively, the person with chief responsibility for construction shall prepare and sign this certificate for the entire construction. The signer agrees that all applicable Mandatory Measures were met. Temporary labels are not to be removed before verification by the building inspector.

A. COOL ROOF PRODUCT							
1	2	3	4	5	6	7	8
Installed Brand Name	Liquid Coating Type	Required			Installed		
		Aged Solar Reflectance	Thermal Emittance	SRI	Aged Solar Reflectance	Thermal Emittance	SRI

If using a liquid coating, indicate whether the type is: (a) Aluminum-Pigmented Asphalt Roof Coating, (b) Cement-Based Roof Coating, or (c) Other.

B. RADIANT BARRIER	
1	2
Brand Name	Installation Type

NOTE: Radiant barrier must be installed on gable ends and all other vertical surfaces in the attic.

Installation types are: (1) attached to underside of roof deck, (2) attached to bottom of truss/rafters, (3) attached between truss/rafters, or (4) draped over top of truss/rafters

C. MANDATORY REQUIREMENTS	
Roofing Products	1. Certification & Labeling , Sections 10-113; 110.8(i): Products must be listed with the Cool Roof Rating Council (CRRC) to use the emittance, reflectance or SRI numbers.
	2. Defaults for Noncertified Asphalt Shingles , Section 110.8(i)1A: Asphalt Shingles not listed with the CRRC must use default solar reflectance/thermal emittance values of 0.08/0.75.
	3. Defaults for all Other Noncertified Roofing Products , Section 110.8(i)1B: Products not listed with the CRRC must use the default solar reflectance/thermal emittance values of 0.10/0.75.
	4. No CRRC Testing for aged solar reflectance , Section 110.8(i)2: if aged CRRC numbers are not available then calculate aged solar reflectance from formula: <ul style="list-style-type: none"> $\rho_{aged} = [0.2 + \beta(\rho_{initial} - 0.2)]$, where $\rho_{initial}$ = initial solar reflectance soiling resistance: $\beta = 0.65$ for Field-Applied Coating; $\beta = 0.70$ all other roofing products
	5. Solar Reflectance Index (SRI) , Section 110.8(i)3: SRI values must be calculated using form CF1R-PRSC-WS-04, Cool Roof and SRI Worksheet
	6. Liquid Applied Coatings , Section 110.8(i)4: Liquid applied coatings must be applied to the dry mill thickness as required by the manufacturer. The material must meet performance requirements of TABLE 110.8-C.
Radiant Barrier	7. Emittance & Certification , Section 110.8(j): Radiant Barrier shall have an emittance of 0.05 or less, be tested with ASTM C1371 or ASTM E408; certified and listed with Department of Consumer Affairs, Standards for Insulating Material.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Name:	Signature:	
Company:	Date:	
Address:	CEA or CEPE or HERS Certification # If Applicable:	
City/State/Zip:	Phone:	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

1. I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or an authorized representative of the person responsible for construction (responsible person).
3. I certify that the installed features, materials, components, or manufactured devices identified on this certificate (the installation) conforms to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcement agency.
4. I reviewed a copy of the Certificate of Compliance (CF1R) approved by the enforcement agency that identifies the specific requirements for the installation. I certify that the requirements detailed on the CF1R that apply to the installation have been met.
5. **I will ensure that a completed, signed copy of this Certificate of Installation shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.**

Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)

Responsible Person's Name:	Responsible Person's Signature:	
CSLB License:	Date Signed:	Position With Company (Title):

Table to be used liquid applied coatings and included in the instructions.

TABLE 110.8-C MINIMUM PERFORMANCE REQUIREMENTS FOR LIQUID APPLIED ROOF COATINGS

Physical Property	ASTM Test Procedure	Requirement
Initial percent elongation (break)	D 2370	Minimum 200% 73° F (23° C)
Initial percent elongation (break) OR Initial Flexibility	D 2370 D522, Test B	Minimum 60% 0° F (-18° C) Minimum pass 1" mandrel 0° F (-18° C)
Initial tensile strength (maximum stress)	D 2370	Minimum 100 psi (1.38 Mpa) 73° F (23° C)
Initial tensile strength (maximum stress) OR Initial Flexibility	D 2370 D522, Test B	Minimum 200 psi (2.76 Mpa) 0° F (-18° C) Minimum pass 1" mandrel 0° F (-18° C)
Final percent elongation (break) after accelerated weathering 1000 h	D2370	Minimum 100% 73° F (23° C)
Final percent elongation (break) after accelerated weathering 1000 h OR Flexibility after accelerated weathering 1000h	D2370	Minimum 40% 0° F (-18° C) Minimum pass 1" mandrel 0° F (-18° C)
Permeance	D 1653	Maximum 50 perms
Accelerated weathering 1000 h	D 4798	No cracking or checking ¹

1. Any cracking or checking visible to the eye fails the test procedure.