



**SAN JOAQUIN COUNTY
COMMUNITY DEVELOPMENT DEPARTMENT**

1810 E. HAZELTON AVE., STOCKTON, CA 95205-6232
PHONE: 209/468-3121 FAX: 209/468-3163

**COOL ROOF
CERTIFICATE OF COMPLIANCE
PRESCRIPTIVE RESIDENTIAL REROOF REQUIREMENTS FOR ROOF SLOPES
OVER 2/12**

Beginning **January 1, 2017** the 2016 California Energy Code will require the installation of a Cool Roof when more than 50% of an existing roof is being replaced. However, there are exceptions to this requirement. This form specifies the Cool Roofing requirements and provides several options in lieu of Cool Roofing. Cool Roof Products used for compliance with the standards are required to meet or exceed the values specified in Table A and be tested and labeled by the Cool Roof Rating Council (CRRC). The CRRC's Rated Product Directory can be found at www.coolroofs.org.

TABLE A

Roof Slope	Minimum 3-year aged solar reflectance	Minimum Thermal Emittance	SRI
≤2:12	Not required		
>2:12	0.20	0.75	16

If you are using a cool roof product you must provide the information below;

CRRC Product ID Number	Roof Slope	Aged Solar Reflectance	Thermal Emittance	SRI

Any one of the options listed below can be used in lieu of the cool roof requirements for reflectance, emittance, and SRI listed above. Select which one applies:

- Air-space of 1.0 inch airspace is provided between the top of the roof deck to the bottom of the roofing product; **or**
- The installed roofing product has a profile ratio of rise to width of 1 to 5 for 50% or greater of the width of the roofing product; **or**
- Existing ducts in the attic are insulated and sealed according to Section 150.1(c) 9, (**HERS rating required with CF-3R Form**); **or**
- R-38 attic insulation (**Insulation Certificate may be required**); **or**
- Building has a radiant barrier in the attic meeting the requirements of Section 150.1(c) 2. **or**
- Building has no ducts in the attic; **or**
- R-4 insulation is installed above the roof deck.

Applicant's Signature

Date



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**VENTILATION GUIDE
2016 CALIFORNIA RESIDENTIAL CODE**

- Attic Ventilation: C.R.C. 806.1
- Under-Floor Ventilation: C.R.C. 408.1

The Residential Building Code requires enclosed attic spaces, enclosed rafter spaces and under-floor areas to be ventilated by not less than 1 square foot for each 150 square feet of attic/under-floor area. The chart below represents the net minimum area, in square inches, required for proper ventilation. The minimum *number* of required openings can be determined by dividing the number below by the net clear opening (in square inches) of one opening.

Openings shall be covered with corrosion-resistant metal/wire mesh with mesh openings of ¼ inch (6.4 mm) in dimension.

LENGTH (in feet)	WIDTH (IN FEET)											
	20	22	24	26	28	30	32	34	36	38	40	42
20	384	422	461	499	538	576	614	653	691	730	768	806
22	422	465	507	549	591	634	676	718	760	803	845	887
24	461	507	553	599	645	691	737	783	829	876	922	968
26	499	549	599	649	699	749	799	849	899	948	998	1048
28	538	591	645	699	753	806	860	914	968	1021	1075	1129
30	576	634	691	749	806	864	922	979	1037	1094	1152	1210
32	614	676	737	799	860	922	983	1044	1106	1167	1229	1290
34	653	718	783	849	914	979	1044	1110	1175	1240	1306	1371
36	691	760	829	899	968	1037	1106	1175	1244	1313	1382	1452
38	730	803	876	948	1021	1094	1167	1240	1313	1386	1459	1532
40	768	845	922	998	1075	1152	1229	1306	1382	1459	1536	1613
42	806	887	968	1048	1129	1210	1290	1371	1452	1532	1613	1693
44	845	929	1014	1098	1183	1267	1352	1436	1521	1605	1690	1774
46	883	972	1060	1148	1236	1325	1413	1501	1590	1678	1766	1855
48	922	1014	1106	1198	1290	1382	1475	1567	1659	1751	1843	1935
50	960	1056	1152	1248	1344	1440	1536	1632	1728	1824	1920	2016