



Rapid Ratings Test Results Report (F-16 Part B)

Company Name _____

Product Brand Name & Model _____

449 15th Street, Suite 400 • Oakland, CA 94612 • Toll-free (866) 465-2523 • Fax (510) 482-4421 • www.coolroofs.org

Rapid Rating Laboratory Test Results and Signature

1. Laboratory Name	2. Lab Report ID												
3. Operator	4. Dates Practice Conducted Start Date: End Date:												
5. Make and model of spraying nozzle used for soiling	6. Make and model of weathering apparatus												
7. Soiling mixture is composed in accordance with Section 6.1.5.1 of ASTM D7897 to simulate average U.S. conditions. <input type="checkbox"/>													
8. Tested Initial Radiative Properties													
8a. Temperature (°C) _____ Relative Humidity (%) _____													
8b. Tested Initial Radiative Properties	If using CRRC-1 Method #1 (CRRC-1 Program Manual, section 2.2.9), report <u>one</u> SR value (i.e. average calculated by CRRC-1 Excel tool). Report three values for all other SR test methods and for ALL TE test methods.												
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align:left; border-bottom: 1px solid black;">Panel ID</th> <th style="text-align:center; border-bottom: 1px solid black;"><u>Solar</u> Reflectance</th> <th style="text-align:center; border-bottom: 1px solid black;"><u>Thermal</u> Emittance</th> </tr> </thead> <tbody> <tr> <td>1. _____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>2. _____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>3. _____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>	Panel ID	<u>Solar</u> Reflectance	<u>Thermal</u> Emittance	1. _____	_____	_____	2. _____	_____	_____	3. _____	_____	_____	If using the Rapid Ratings Variegated Shingle Template Method, report <u>one</u> SR and <u>one</u> TE value (see CRRC-1 Program Manual, Appendix 4). <input type="checkbox"/> The reported measurements for laboratory-aged test specimens are within +/- 0.05 from the initial test values (see Section A, Item 10, for average initial values).
Panel ID	<u>Solar</u> Reflectance	<u>Thermal</u> Emittance											
1. _____	_____	_____											
2. _____	_____	_____											
3. _____	_____	_____											
9. Calibration Parameters and Laboratory-Aged Radiative Properties													
9a. Room Air Temperature (°C) _____ Room Air Relative Humidity (%) _____													
Spraying time, τ (seconds): _____ Distance from nozzle to specimen (centimeters): _____													
Wet soiling mass deposited on reference specimen (grams): _____													
<input type="checkbox"/> All reference specimens meet the size and shape requirements specified in section 7.1 and 8.3 of ASTM D7897 (10 cm x 10 cm)													
<input type="checkbox"/> Photographs of the reference and test specimens before and after simulated field exposure are included with this report. (Please ensure that photographs include a ruler placed next to specimens for reference of scale. The reference specimen does not need to dry for the photographs.)													



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9b. Laboratory-Aged Measurements

<u>Panel ID</u>	<u>Solar Reflectance</u>	<u>Thermal Emittance</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____

If using CRRC-1 Method #1 (CRRC-1 Program Manual, section 2.2.9), report one SR value (i.e. average calculated by CRRC-1 Excel tool). Report three values for all other SR test methods and for ALL TE test methods.

If using the Rapid Ratings Variegated Shingle Template Method, report one SR and one TE value (see CRRC-1 Program Manual, Appendix 4).

Average for all laboratory-aged measurements (2 decimal places):

Solar Reflectance (SR) _____

Thermal Emittance (TE) _____

10. Tests conducted:

<u>Type</u>	<u>Test Date</u>
<input type="checkbox"/> E903 Test	Date _____
<input type="checkbox"/> E1918 Test	Date _____
<input type="checkbox"/> C1549 Test	Date _____
<input type="checkbox"/> CRRC-1 Method #1	
<input type="checkbox"/> Tile	Date _____
<input type="checkbox"/> Variegated	Date _____
<input type="checkbox"/> Wood	Date _____
<input type="checkbox"/> CRRC Tile Template Method	Date _____
<input type="checkbox"/> CRRC Rapid Ratings Variegated Shingle Template Method	Date _____
<input type="checkbox"/> C1371 Test	Date _____
<input type="checkbox"/> Slide Method	Date _____
<input type="checkbox"/> D1005 Test	Date _____
<input type="checkbox"/> D2244 Test	Date _____
<input type="checkbox"/> D751 Test	Date _____

11. The undersigned certifies that, to the best of his/her knowledge:

a) The Rapid Ratings simulation has been performed in accordance with the Practice for Laboratory Aging of Roofing Materials (CRRC-1 Program Manual, section 2.6) the measurements contained herein are true and accurate.

Signature of Laboratory's Responsible Person
(CRRC-1 Program Manual, section 2.6(c))

Date

Printed Name of Laboratory's Responsible Person

Title

A facsimile, emailed or electronically delivered copy of this Application or of a signature of a party will be effective as an original.