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.** ☐

8. **Measurement of Radiative Properties before Laboratory Aging**

8a. Room Air Temperature (°C) _____ Room Air Relative Humidity (%) _____

8b. **Radiative Properties Measured before Laboratory Aging**

Panel ID	Solar Reflectance	Thermal Emittance
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).

☐ The radiative properties measured before laboratory aging are within 0.05 of the values reported in F-2 Initial Test Results Report, Section C, 17e.

Average for all radiative properties before laboratory aging (2 decimal places):

Solar Reflectance (SR) _____ Thermal Emittance (TE) _____

8c. **Tests Conducted:**

□ E903	Date _____	□ CRRC Tile Template Method	Date _____
□ E1918	Date _____	□ CRRC Rapid Ratings Variegated Shingle Template Method	Date _____
□ C1549	Date _____	□ C1371	Date _____
□ CRRC-1 Method #1		□ Slide Method	Date _____
○ Tile	Date _____	□ D1005	Date _____
○ Variegated	Date _____	□ D2244	Date _____
○ Wood	Date _____	□ D751	Date _____

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9. **Laboratory Aging Room Conditions, Calibration Parameters, and Specimen Size Compliance**

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): _____

☐ All reference specimens meet the size and shape requirements specified in Sections 7.1 and 8.3 of ASTM D7897 (10 cm × 10 cm)

☐ 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.)

10. **Measurement of Radiative Properties after Laboratory Aging**

10a. Room Air Temperature (°C) _____ Room Air Relative Humidity (%) _____

10b. **Radiative Properties Measured after Laboratory Aging**

Panel ID	Solar Reflectance	Thermal Emittance
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 radiative properties after laboratory aging (2 decimal places):

Solar Reflectance (SR) _____ Thermal Emittance (TE) _____

10c. **Tests conducted:**

□ E903	Date _____	□ CRRC Tile Template Method	Date _____
□ E1918	Date _____	□ CRRC Rapid Ratings Variegated Shingle Template Method	Date _____
□ C1549	Date _____	□ C1371	Date _____
□ CRRC-1 Method #1		□ Slide Method	Date _____
○ Tile	Date _____	□ D1005	Date _____
○ Variegated	Date _____	□ D2244	Date _____
○ Wood	Date _____	□ D751	Date _____

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12. **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) b) 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