



Rapid Ratings Product Application and Test Results Report (F-16)

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

Section A; Boxes 1-12: Licensed Seller/Other Manufacturer and Product Information (this section to be filled out and signed by licensee prior to sending to Rapid Ratings Laboratory)

1. Company Name Wilcote	2. CRRC License Seller/OM ID Number
3. Contact Name Will Rogers	4. Email Address wilcote@mweb.co.za
5. Company Address Durban, Republic of South Africa	6. Phone Voice 032 - 942 2030
7. Ratings Program Protocol (check only one): <input checked="" type="checkbox"/> Standard Product (If compound rating, please include Form F-3A) <input type="checkbox"/> Color Family Group/Representative Element (factory-applied metal coatings or factory-coated metal products <i>only</i>) <input type="checkbox"/> Mono-Colored Granules	8. Product Color (color(s) that best describe your product): <input type="checkbox"/> Red <input type="checkbox"/> Bright White <input type="checkbox"/> Orange <input type="checkbox"/> Off-White <input type="checkbox"/> Yellow <input type="checkbox"/> Black <input type="checkbox"/> Green <input type="checkbox"/> Grey <input type="checkbox"/> Blue <input checked="" type="checkbox"/> Tan <input type="checkbox"/> Purple <input type="checkbox"/> Brown <input type="checkbox"/> Metallic <input type="checkbox"/> Multicolor
9. Product Identification Information (to appear on the CRRC Rated Products Directory) Brand Name: Wilcote Model Name/Number: W118 Infra Red Coating -Sandstone Beige Manufacturer Color Name: Sandstone Beige Company or Product Webpage (the Directory will contain a hyperlink): http:// www.wilcote.co.za/	
10. Average initial radiative measurements (Provide results from Initial Test Results Report to 2 decimal places): Solar Reflectance (SR) <u>0.68</u> Thermal Emittance (TE) <u>0.91</u>	
11. Type of customer to whom this product is sold: (Choose only one) <input type="checkbox"/> End user, <i>only</i> ('end users' include distributors, retailers, installers, and property owners/developers) – if this box is checked then your company must be a Licensed Seller before CRRC will process this application. <input checked="" type="checkbox"/> Other CRRC licensed company, <i>only</i> (who either further manufactures the product or puts their label on it (private label) and relies upon your CRRC product ratings) - if this box is checked, then the your company must be a <i>Licensed Other Manufacturer</i> before CRRC will process this application <input type="checkbox"/> Both end user <i>and</i> other CRRC licensed company – if this box is checked, then your company must be <i>both a Licensed Seller and a Licensed Other Manufacturer</i> before CRRC will process this application	
12. The undersigned agrees that Rapid Rating values will be replaced with measured aged values upon completion of the 3-year weathering process.	
Responsible Licensee's Signature _____	Date _____
Responsible Licensee's Name (printed) _____	Title _____



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Section B; 12-22: Rapid Rating Laboratory Test Results and Signature

(this section to be filled out by Rapid Rating Laboratory only)

12. Laboratory Name PRI	13. Lab Report ID DCC-502-02-01												
14. Operator CFreidner	15. Date Conducted 2/24/2016												
16. Make and model of spraying nozzle used for soiling Central Pneumatic #62294	17. Make and model of weathering apparatus Atlas UV												
18. Is the soiling mixture in accordance with section 6.1 of ASTM D7897-15 <input checked="" type="checkbox"/>													
19. Tested Initial Radiative Properties													
19a. Temperature (°C) <u>22</u> Relative Humidity (%) <u>50</u>													
<i>19b: 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 method.</i>													
19b. Tested Initial Radiative Properties													
MFR. Batch # <u>A/B</u>													
<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;">Solar Reflectance</th> <th style="text-align: center; border-bottom: 1px solid black;">Thermal Emittance</th> </tr> </thead> <tbody> <tr> <td style="border-bottom: 1px solid black;">1. <u>1</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>0.684</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>0.91</u></td> </tr> <tr> <td style="border-bottom: 1px solid black;">2. <u>2</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>0.684</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>0.90</u></td> </tr> <tr> <td style="border-bottom: 1px solid black;">3. <u>3</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>0.685</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>0.91</u></td> </tr> </tbody> </table>	Panel ID	Solar Reflectance	Thermal Emittance	1. <u>1</u>	<u>0.684</u>	<u>0.91</u>	2. <u>2</u>	<u>0.684</u>	<u>0.90</u>	3. <u>3</u>	<u>0.685</u>	<u>0.91</u>	<input checked="" 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	Solar Reflectance	Thermal Emittance											
1. <u>1</u>	<u>0.684</u>	<u>0.91</u>											
2. <u>2</u>	<u>0.684</u>	<u>0.90</u>											
3. <u>3</u>	<u>0.685</u>	<u>0.91</u>											
20. Calibration Parameters and Laboratory-Aged Radiative Properties													
20a. Room Air Temperature (°C) <u>73</u> Room Air Relative Humidity (%) <u>50</u>													
Spraying time, τ (seconds): <u>12</u> Distance from nozzle to specimen (centimeters): <u>52</u>													
Wet soiling mass deposited on reference specimen (grams): <u>0.8</u>													
Dry soiling mass deposited on reference specimen (grams): <u>0.00</u>													
<input checked="" 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 checked="" type="checkbox"/> Photographs of the specimen before and after simulated field exposure are included with this report													



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20b: 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 method.

20b. Laboratory-Aged Measurements

MFR. Batch # A/B

Panel ID	Solar Reflectance	Thermal Emittance
1. <u>1</u>	<u>0.672</u>	<u>0.91</u>
2. <u>2</u>	<u>0.667</u>	<u>0.90</u>
3. <u>3</u>	<u>0.670</u>	<u>0.90</u>

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

Solar Reflectance (SR) 0.67

Thermal Emittance (TE) 0.90

21. Tests conducted:

Type	Test Date
<input type="checkbox"/> E903 Test	Date _____
<input type="checkbox"/> E1918 Test	Date _____
<input checked="" type="checkbox"/> C1549 Test	Date <u>2/24/2016</u>
<input type="checkbox"/> CRRC-1 Method #1	Date _____
<input type="checkbox"/> Tile TM	
<input type="checkbox"/> CRRC-1 TM #1	Date _____
<input type="checkbox"/> Template TM	Date _____
<input type="checkbox"/> Wood TM	Date _____
<input checked="" type="checkbox"/> C1371 Test	Date <u>2/24/2016</u>
<input type="checkbox"/> Slide Method	Date _____
<input type="checkbox"/> D1005 Test	Date _____
<input type="checkbox"/> D2244 Test	Date _____
<input type="checkbox"/> D751 Test	Date _____

22. 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

Christopher Freidner
Digitally signed by Christopher Freidner
 DN: cn=Christopher Freidner, o=ou=PRI, email=cfreidner@pricmt.com, c=US
 Date: 2016.03.07 12:01:29 -0500

Responsible Laboratory Person's Signature
 Chris Freidner

Responsible Laboratory Person's Name (printed)

3/7/2016

 Date
 Client Service Manager

Title

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

