



CONSTRUCTION MATERIALS

TECHNOLOGIES

INITIAL Test Results Report

Company Name: Volatile Free

Product Brand Name & Model: VFI-600

Section C; 15-20: Accredited Independent Testing Laboratory Initial Test Results and Signature (this section to be filled out by AITL only)

| | | | | | |
|--|-------------------|---|--|---------------------|-------------------|
| 15. Laboratory Name | | | 16. Lab Report ID (Initial Ratings) | | |
| PRI Construction Materials Technologies, LLC | | | VFI-005-02-02 | | |
| 17. Tested Initial Radiative Properties: (Air mass of 1.5 used in reflectance measurements \sqrt (check for verification)) | | | | | |
| 17a. Group A—MFR. Batch # <u> 1 </u> | | | 17b. Group B—MFR. Batch # <u> 2 </u> | | |
| Panel ID | Solar Reflectance | Thermal Emittance | Panel ID | Solar Reflectance | Thermal Emittance |
| 1. | 0.794 | 0.89 | 1. | 0.801 | 0.89 |
| 2. | 0.787 | 0.88 | 2. | 0.800 | 0.88 |
| 3. | 0.799 | 0.89 | 3. | 0.806 | 0.89 |
| Batch Average | 0.793 | 0.89 | Batch Average | 0.802 | 0.89 |
| 17c. Results if preparing samples according to CRRC-1 Section 3.5 E (using CRRC-1 Method #1): | | | | | |
| Sample 1 (Batch A): <u> </u> / <u> </u> | | Sample 2 (Batch B): <u> </u> / <u> </u> | | | |
| SR | TE | SR | TE | | |
| 17d. Average for all initial tests (2 decimal places): Solar Reflectance (SR) <u> 0.80 </u> Thermal Emittance (TE) <u> 0.89 </u> | | | | | |
| 17e. Presumed Non-Variegated Particle or Gravel Coated Roofing Product 5-Point Reflectance Test Results: (See CRRC-1 section 3.5.1 E for instructions) <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> Average Reflectance <u> </u> | | | | | |
| 17f. Air mass of 1.5 used in reflectance measurements <input checked="" type="checkbox"/> (check box to confirm) | | | | | |
| 18. Coating Thickness (Field-Applied Coatings Only, see box 8): | | | | | |
| Panel ID <u> 1 </u> | Coating Thickness | Panel ID <u> 2 </u> | Coating Thickness | Panel ID <u> 3 </u> | Coating Thickness |
| | 1. 25 | | 1. 22 | | 1. 24 |
| | 2. 23 | | 2. 27 | | 2. 25 |
| | 3. 22 | | 3. 26 | | 3. 25 |
| | 4. 22 | | 4. 26 | | 4. 24 |
| | 5. 22 | | 5. 21 | | 5. 20 |
| | Batch Ave. 23 | | Batch Ave. 24 | | Batch Ave. 24 |
| Panel ID <u> 4 </u> | Coating Thickness | Panel ID <u> 5 </u> | Coating Thickness | Panel ID <u> 6 </u> | Coating Thickness |
| | 1. 32 | | 1. 28 | | 1. 29 |
| | 2. 22 | | 2. 30 | | 2. 28 |
| | 3. 22 | | 3. 28 | | 3. 28 |
| | 4. 33 | | 4. 30 | | 4. 31 |
| | 5. 21 | | 5. 29 | | 5. 27 |
| | Batch Ave. 26 | | Batch Ave. 29 | | Batch Ave. 29 |

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| Panel ID <u> 7 </u> | Coating Thickness | Panel ID <u> 8 </u> | Coating Thickness | Panel ID <u> 9 </u> | Coating Thickness |
|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| | 1. 24 | | 1. 25 | | 1. 30 |
| | 2. 28 | | 2. 24 | | 2. 32 |
| | 3. 24 | | 3. 23 | | 3. 29 |
| | 4. 28 | | 4. 26 | | 4. 29 |
| | 5. 22 | | 5. 23 | | 5. 31 |
| | Batch Ave. 25 | | Batch Ave. 24 | | Batch Ave. 30 |

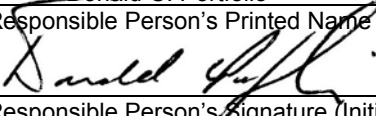
18e. Average for all initial thickness tests (2 decimal places): Coating Thickness 26 mils

18f. Within 10% tolerance of manufacturer recommendation (see box 11a) (check box to confirm)

19. Tests conducted:

| Type | Initial Test Date |
|--|------------------------|
| <input type="checkbox"/> E903 Test | Date _____ |
| <input type="checkbox"/> E1918 Test | Date _____ |
| <input checked="" type="checkbox"/> C1549 Test | Date <u> 12/20/07 </u> |
| <input checked="" type="checkbox"/> C1371 Test | Date <u> 12/20/07 </u> |
| <input type="checkbox"/> CRRC-1 Method #1 | Date _____ |
| <input type="checkbox"/> D1669 Test | Date _____ |

20. The undersigned certifies that, to the best of his/her knowledge, the measurements contained herein are true and accurate:

Donald C. Portfolio
 Responsible Person's Printed Name

 Responsible Person's Signature (Initial Tests) December 27, 2007
 Date

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