



**PERFORMANCE TEST REPORT**

**Rendered to:**

**O'SULLIVAN FILMS, INC.**

**PROJECT: Slip Resistance of Various Walking Surfaces**

**Report No.: F9203.01-106-31**

**Report Date: 06/13/16**

**Test Record Retention Date: 05/24/20**



**PERFORMANCE TEST REPORT**

Rendered to:

O'SULLIVAN FILMS, INC.  
1944 Valley Avenue  
Winchester, Virginia 22601

Report No.: F9203.01-106-31  
Test Start Date: 05/23/15  
Test Completion Date: 05/24/16  
Report Date: 06/13/16  
Test Record Retention Date: 05/24/20

**Project:** Slip Resistance of Various Walking Surfaces

**Project Summary:** Architectural Testing, Inc., an Intertek company ("Intertek-ATI"), was contracted by O'Sullivan Films, Inc. to perform coefficient of friction testing on five different walking surfaces. The products were tested in accordance with ASTM F1679, *Standard Test Method for Using a Variable Incidence Tribometer*, for dry condition only.

Specimen Identification	Longitudinal Average (0° and 180°)	Transverse Average (90° and 270°)	Slip Index
Decking Walnut Light Fawn Grain	0.72	0.73	0.73
Decking IPE Heavy Fawn Grain	0.74	0.72	0.73
Decking Stone Gray Messina Grain	0.76	0.76	0.76
Decking Stone Taupe Messina Grain	0.77	0.77	0.77
WPC Control Deckboard	0.43	0.51	0.47

**Test Method:** The test specimens were evaluated in accordance with ASTM F1679-04<sup>e1</sup>, *Standard Test Method for Using a Variable Incidence Tribometer (VIT)* (Withdrawn 2006).

**Product Descriptions:** The products were shipped to Intertek-ATI by O'Sullivan Films, Inc., and consisted of four PVC Roofing Membranes and one wood plastic composite deck board product. The materials were tested as-received. Refer to the photos in Appendix A.

**Test Procedure and Test Results:** The specimens were tested using the English XL (VIT) Tester (ICN: Y002874) to determine the average coefficient of friction in the longitudinal (0° and 180°) and transverse (90° and 270°), directions. The testing procedures and results obtained from testing are reported as follows. All pre-conditioning of test specimens and actual test conditions were at standard laboratory conditions unless otherwise reported.

**Specimen #1 - Decking Walnut Light Fawn Grain - Dry Condition**

Direction	Test #1	Test #2	Test #3	Test #4	Test #5	Average
0°	0.70	0.60	0.75	0.75	0.70	0.70
90°	0.65	0.75	0.75	0.75	0.70	0.72
180°	0.60	0.75	0.80	0.80	0.75	0.74
270°	0.65	0.75	0.75	0.80	0.70	0.73
<b>Longitudinal Average (0° and 180°)</b>						<b>0.72</b>
<b>Transverse Average (90° and 270°)</b>						<b>0.73</b>

**Specimen #2 - Decking IPE Heavy Fawn Grain - Dry Condition**

Direction	Test #1	Test #2	Test #3	Test #4	Test #5	Average
0°	0.70	0.70	0.70	0.80	0.75	0.73
90°	0.70	0.75	0.70	0.75	0.75	0.73
180°	0.70	0.75	0.75	0.75	0.75	0.74
270°	0.70	0.70	0.70	0.75	0.70	0.71
<b>Longitudinal Average (0° and 180°)</b>						<b>0.74</b>
<b>Transverse Average (90° and 270°)</b>						<b>0.72</b>

**Specimen #3 - Decking Stone Gray Messina Grain - Dry Condition**

Direction	Test #1	Test #2	Test #3	Test #4	Test #5	Average
0°	0.80	0.80	0.70	0.75	0.75	0.76
90°	0.75	0.75	0.75	0.75	0.75	0.75
180°	0.75	0.80	0.75	0.75	0.75	0.76
270°	0.75	0.75	0.75	0.75	0.80	0.76
<b>Longitudinal Average (0° and 180°)</b>						<b>0.76</b>
<b>Transverse Average (90° and 270°)</b>						<b>0.76</b>

Test Procedure and Test Results: (Continued)

**Specimen #4 - Decking Stone Taupe Messina Grain - Dry Condition**

Direction	Test #1	Test #2	Test #3	Test #4	Test #5	Average
0°	0.75	0.75	0.80	0.80	0.80	0.78
90°	0.75	0.75	0.80	0.80	0.80	0.78
180°	0.75	0.75	0.75	0.80	0.75	0.76
270°	0.75	0.75	0.80	0.75	0.75	0.76
<b>Longitudinal Average (0° and 180°)</b>						<b>0.77</b>
<b>Transverse Average (90° and 270°)</b>						<b>0.77</b>

**Specimen #5 - WPC Control - Dry Condition**

Direction	Test #1	Test #2	Test #3	Test #4	Test #5	Average
0°	0.40	0.45	0.45	0.40	0.40	0.42
90°	0.50	0.55	0.50	0.50	0.55	0.52
180°	0.40	0.45	0.40	0.45	0.45	0.43
270°	0.45	0.50	0.50	0.50	0.55	0.50
<b>Longitudinal Average (0° and 180°)</b>						<b>0.43</b>
<b>Transverse Average (90° and 270°)</b>						<b>0.51</b>



Intertek-ATI will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be retained by Intertek-ATI for the entire test record retention period.

Results obtained are tested values and were secured using the designated test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimens tested. This report may not be reproduced, except in full, without the written approval of Intertek-ATI.

For INTERTEK-ATI:

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Joseph M. Brickner  
Laboratory Supervisor  
Components / Materials Testing

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Dawn M. Chaney  
Technician Team Lead  
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JMB:dmc/kf

Attachments (pages)      This report is complete only when all attachments listed are included.  
Appendix A - Photographs (3)



### Revision Log

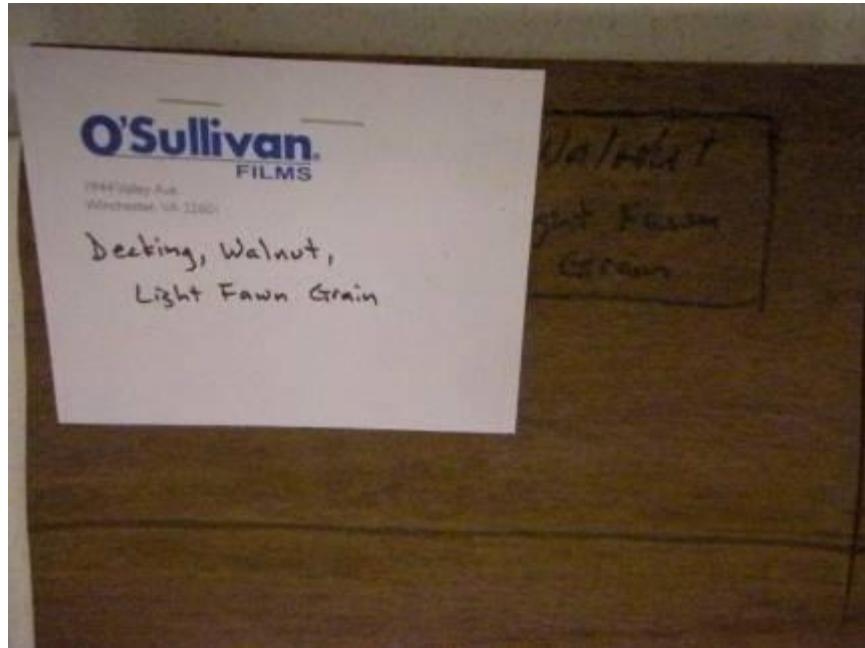
<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	06/13/16	N/A	Original report issue



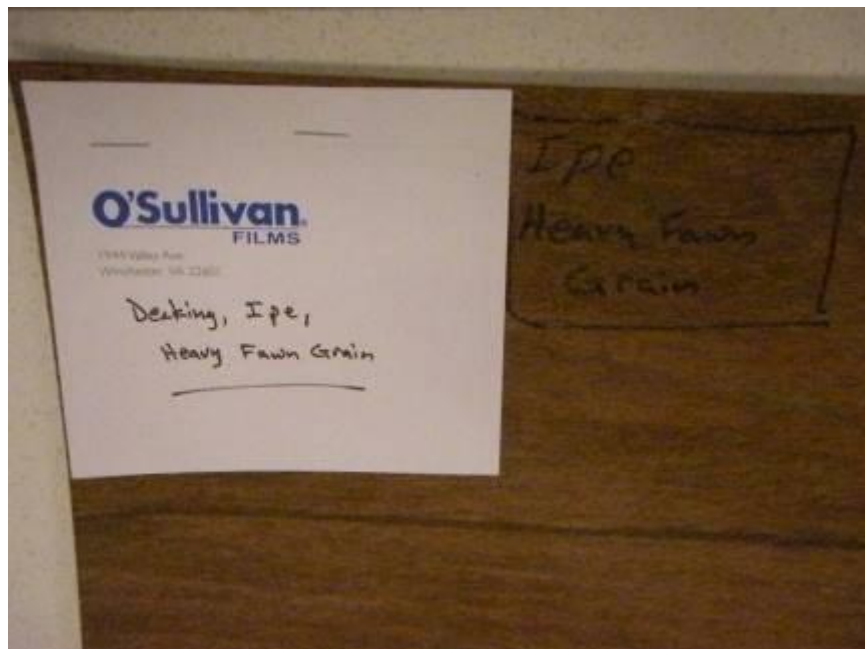
F9203.01-106-31

## **APPENDIX A**

### **Photographs**

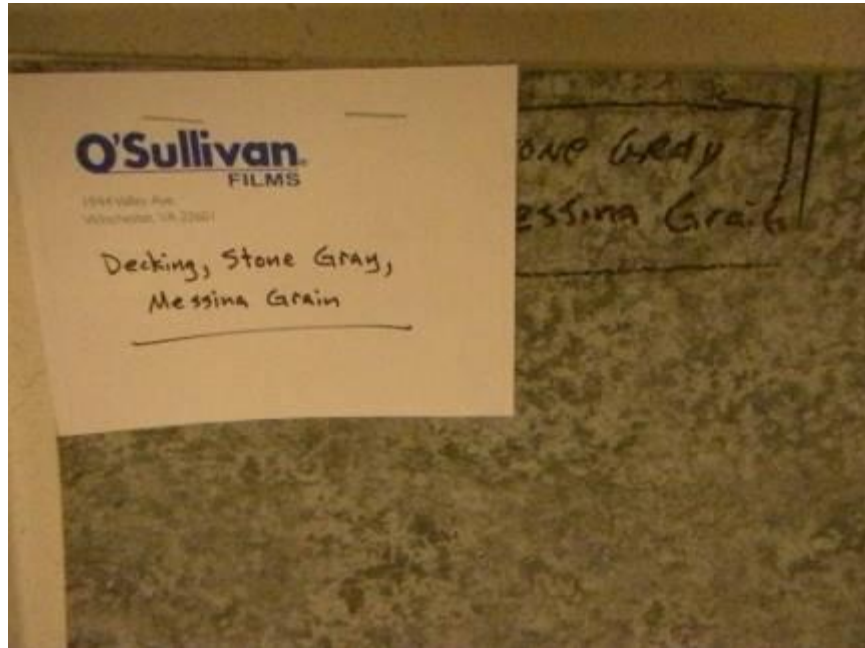


**Photo No. 1**  
**Specimen #1 Identification - Decking Walnut Light Fawn Grain**



**Photo No. 2**  
**Specimen #2 Identification - Decking IPE Heavy Fawn Grain**





**Photo No. 3**  
**Specimen #3 Identification - Decking Stone Gray Messina Grain**



**Photo No. 4**  
**Specimen #4 Identification - Decking Stone Taupe Messina Grain**



**Photo No. 5**  
**Specimen #5 Identification - WPC Control Deckboard**



**Photo No. 6**  
**VIT Slip Resistance Test Equipment**