



# MATERIAL LOGIQ

Title: Light Reflectance Test Results

Material: Wood Wool - Painted White and Clear

Testing Standard: ASTM E1477

About This Test: This test evaluates the amount of light reflected by the surface of the material.

Test Result Summary: Clear: 50.135; White: 69.535

SPECIMEN IDENTIFICATION	LUMINOUS REFLECTANCE (Y)
1 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear	53.020
2 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear	50.666
3 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear	50.780
4 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear	51.396
5 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear	45.479
6 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear	49.471
<b>Average</b>	<b>50.135</b>

SPECIMEN IDENTIFICATION	LUMINOUS REFLECTANCE (Y)
1 - 1" Cementitious Wood Fiber Acoustic Board Painted White	71.689
2 - 1" Cementitious Wood Fiber Acoustic Board Painted White	66.544
3 - 1" Cementitious Wood Fiber Acoustic Board Painted White	66.579
4 - 1" Cementitious Wood Fiber Acoustic Board Painted White	67.613
5 - 1" Cementitious Wood Fiber Acoustic Board Painted White	71.378
6 - 1" Cementitious Wood Fiber Acoustic Board Painted White	73.409
<b>Average</b>	<b>69.535</b>

Test Date: 4/4/2018

Test ID: I2054.02-106-31 R0

#### MATERIAL LOGIQ TESTING DISCLAIMER

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# ASI TEST REPORT

**SCOPE OF WORK**

ASTM E1477 LUMINOUS REFLECTANCE EVALUATION FOR 1" CEMENTITIOUS WOOD FIBER ACOUSTIC BOARD PAINTED WHITE AND 1" CEMENTITIOUS WOOD FIBER ACOUSTIC BOARD PRIMED CLEAR

**REPORT NUMBER**

I2054.02-106-31 R0

**TEST DATES**

04/02/18 -04/04/18

**ISSUE DATE**

05/17/18

**RECORD RETENTION END DATE**

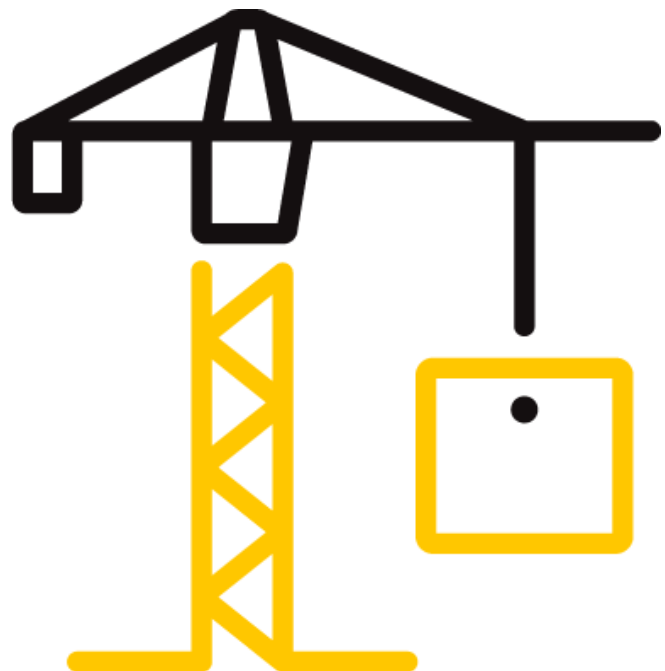
04/03/22

**PAGES**

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**DOCUMENT CONTROL NUMBER**

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RT-R-AMER-Test-2827  
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## TEST REPORT FOR ASI

Report No.: I2054.02-106-31 R0

Date: 05/17/18

### REPORT ISSUED TO

#### ASI

123 Columbia Court North Suite 201  
Chaska, Minnesota 55318

### SECTION 1

#### SCOPE

**Products:** 1" Cementitious Wood Fiber Acoustic Board Painted White and 1" Cementitious Wood Fiber Acoustic Board Primed Clear

Intertek Building & Construction (B&C) was contracted by ASI to evaluate 1" Cementitious Wood Fiber Acoustic Board Painted White and 1" Cementitious Wood Fiber Acoustic Board Primed Clear in accordance with ASTM E1477 for Luminous Reflectance. Results obtained are tested values and were secured by using the designated test methods. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

For INTERTEK B&C:

<b>COMPLETED BY:</b>	Dawn M. Chaney
<b>TITLE:</b>	Technician Team Lead Materials Laboratory
<b>SIGNATURE:</b>	
<b>DATE:</b>	05/17/18

DMC:jmb/kf

<b>REVIEWED BY:</b>	Joseph M. Brickner
<b>TITLE:</b>	Laboratory Supervisor Materials Laboratory
<b>SIGNATURE:</b>	
<b>DATE:</b>	05/17/18

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### SECTION 2

#### TEST METHOD

The specimens were evaluated in accordance with the following:

**E1477-98a (2017)**, *Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers*

### SECTION 3

#### MATERIAL SOURCE

The materials were provided by ASI. The following were received: Six (6), specimens for each of two types of acoustic boards, identified as 1" Cementitious Wood Fiber Acoustic Board Painted White and 1" Cementitious Wood Fiber Acoustic Board Primed Clear. The material was tested as received. Representative test specimens will be retained by Intertek B&C for a minimum of four years from the test completion date.

### SECTION 4

#### LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Daniella M. Hutcherson	Intertek B&C
Joseph M. Brickner	Intertek B&C

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### SECTION 5

#### TEST PROCEDURE

All conditioning of test specimens and test conditions were at standard laboratory conditions unless otherwise reported. Refer to the test related photos in Section 9.

#### ASTM E1477 - Luminous Reflectance

The luminous reflectance was measured using a Gretag Macbeth Color i5 Spectrophotometer (ICN: 004725) with a diffuse spherical geometry and a xenon lamp. The specular component was included in the measurements. The luminous reflectance factor is calculated as CIE tristimulus value Y for the CIE standard Illuminant D65 (daylight). One measurement was recorded from each specimen provided.

### SECTION 6

#### TEST SPECIMEN DESCRIPTIONS

TEST PROCEDURE	NUMBER OF SPECIMENS	NOMINAL SPECIMEN DIMENSIONS	VISUAL CHARACTERISTICS
ASTM E1477	6	6 in. by 6 in. by 1 in. thick	1" Cementitious Wood Fiber Acoustic Board Primed Clear
	6	11 in. by 8 in. by 1 in. thick	1" Cementitious Wood Fiber Acoustic Board Painted White

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**SECTION 7**

**TEST RESULTS**

<b>SPECIMEN IDENTIFICATION</b>	<b>LUMINOUS REFLECTANCE (Y)</b>
1 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear	53.020
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**SECTION 8**

**CONCLUSION**

The requested test method did not contain specific performance requirements.

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### SECTION 9 PHOTOGRAPHS



Photo No. 1

ASTM E1477 - 1" Cementitious Wood Fiber Acoustic Board Primed Clear - Testing



Photo No. 2

ASTM E1477 - 1" Cementitious Wood Fiber Acoustic Board Painted White - Testing



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## TEST REPORT FOR ASI

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Date: 05/17/18

### SECTION 10

#### REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	05/17/18	N/A	Original Report Issue