



Title: Light Reflectance Test Results

Product: 1" Envirocoustic Wood Wool - Painted White and Primed Clear

Application: Ceiling with open plenum

Testing Standard: ASTM E1477

Test Date: 4/4/2018

Why this test: This test evaluates the amount of light reflected by the surface of the material.

Test Result Summary: Primed Clear: 50.135, Painted 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
Average	50.135

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
Average	69.535

Test ID: I2054.02-106-31 R0

ASI TEST RESULT DISCLAIMER

ASI makes every effort to ensure the accuracy and reliability of the information provided. Laboratory testing is conducted by independent testing organizations. ASI does not guarantee that field tests or independent tests will not vary.

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

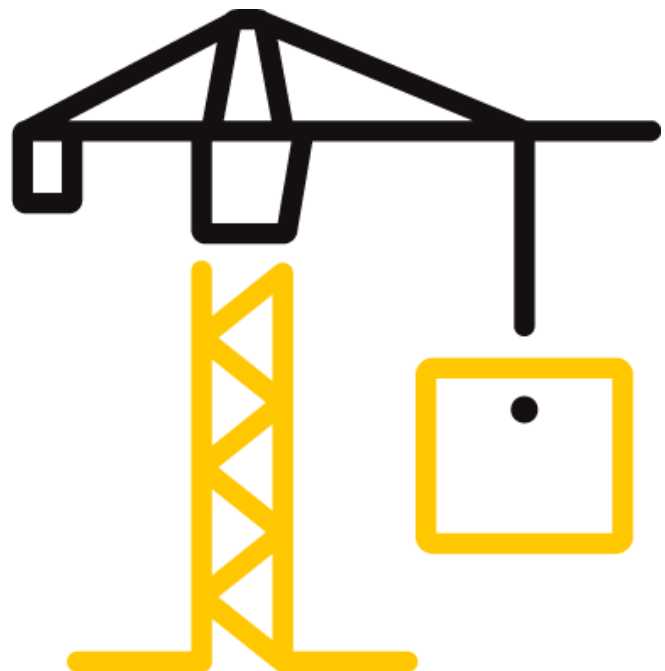
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PAGES

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DOCUMENT CONTROL NUMBER

ATI 00231 (07/25/17)
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:

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

DMC:jmb/kf

REVIEWED BY:	Joseph M. Brickner
TITLE:	Laboratory Supervisor Materials Laboratory
SIGNATURE:	
DATE:	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

SPECIMEN IDENTIFICATION	LUMINOUS REFLECTANCE (Y)
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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130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

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SECTION 10

REVISION LOG

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