



Title: Light Reflectance Test Results

Product: Poly Max 1/2", 1", and 2" - White

Application: Wall or Ceiling

Testing Standard: ASTM E1477

Test Date: 06/18/20

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

Test Result Summary: 1/2": 87.043, 1": 83.133, 2": 82.068

SPECIMEN ID	SPECIMEN NO.	LUMINOUS REFLECTANCE FACTOR (Y)
2" Poly Max 5pcf White	1	82.365
	2	82.485
	3	81.443
	4	81.690
	5	82.355
	Average	82.068
1" Poly Max 7.5pcf White	1	82.745
	2	82.569
	3	83.433
	4	83.416
	5	83.500
	Average	83.133
1/2" Poly Max 9.4pcf White	1	86.862
	2	87.001
	3	86.815
	4	87.412
	5	87.125
	Average	87.043

Test ID: L0809.01-106-31 R0

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ASI TEST REPORT

SCOPE OF WORK

ASTM E1477 LUMINOUS REFLECTANCE FACTOR EVALUATION OF POLY MAX ACOUSTIC BOARD

REPORT NUMBER

L0809.01-106-31 R0

TEST DATE

06/18/20

ISSUE DATE

07/06/20

RECORD RETENTION END DATE

06/18/24

PAGES

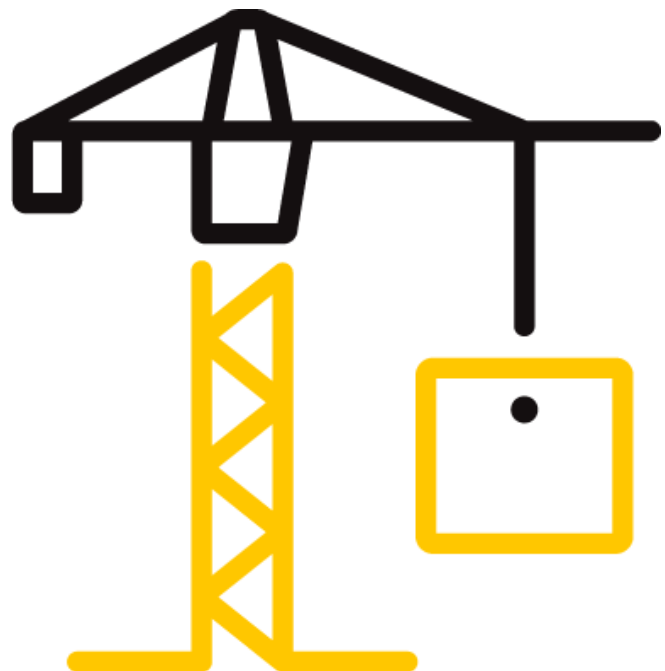
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TEST REPORT FOR ASI

Report No.: L0809.01-106-31 R0

Date: 07/06/20

REPORT ISSUED TO

ASI

123 Columbia Court North
Suite 201
Chaska, Minnesota 55318

SECTION 1

SCOPE

Product(s): 2" Poly Max 5pcf White, 1" Poly Max 7.5pcf White, and 1/2" Poly Max 9.4pcf White Acoustic Boards

Intertek Building & Construction (B&C) was contracted by ASI to evaluate 2" Poly Max 5pcf White, 1" Poly Max 7.5pcf White, and 1/2" Poly Max 9.4pcf White acoustic boards in accordance with ASTM E1477 for Luminous Reflectance Factor. Results obtained are tested values and were secured by using the designated test method(s). 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:	Cole B. Ryder	REVIEWED BY:	Dawn M. Chaney
TITLE:	Technician I Materials Laboratory	TITLE:	Technician Team Lead Materials Laboratory
SIGNATURE:		SIGNATURE:	
DATE:	07/06/20	DATE:	07/06/20

CBR:dmc/als

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SECTION 2

SUMMARY OF TEST RESULTS

SPECIMEN ID	AVERAGE LUMINOUS REFLECTANCE FACTOR (Y)
2" Poly Max 5pcf White	82.068
1" Poly Max 7.5pcf White	83.133
1/2" Poly Max 9.4pcf White	87.043

SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

ASTM E1477-2017, *Standard Test Method for Luminous Reflectance Factor of Acoustical Materials*

SECTION 4

MATERIAL SOURCE

The materials were provided by ASI. The following was received on June 11, 2020 in good condition:

- Five (5) nominally 6" x 6" x 2" thick Poly Max 5pcf White acoustic board pieces
- Five (5) nominally 6" x 6" x 1" thick Poly Max 7.5pcf White acoustic board pieces
- Five (5) nominally 6" x 6" x 1/2" thick Poly Max 9.4pcf White acoustic board pieces

Refer to the product description photo(s) in Section 10. The material was tested as received. Representative materials/test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

SECTION 5

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Cole B. Ryder	Intertek B&C
Dawn M. Chaney	Intertek B&C

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SECTION 6

TEST PROCEDURE(S)

All conditioning of test specimens and test conditions were at standard laboratory conditions unless otherwise reported. Refer to the test related photos in Section 10. Calibration certificates available upon request.

ASTM E1477 - Luminous Reflectance Factor

The luminous reflectance factor was measured using a Gretag Macbeth Color i5 Spectrophotometer (ICN: 004725) with a diffuse spherical geometry and a xenon lamp, CIELAB color space, D65 illuminant, and 10° observer. The specular component was included in the measurements. The luminous reflectance factor was calculated as a CIELAB tri-stimulus value Y. One measurement was recorded from each specimen provided.

SECTION 7

TEST SPECIMEN DESCRIPTION(S)

TEST PROCEDURE	NUMBER OF SPECIMENS	NOMINAL SPECIMEN DIMENSIONS	VISUAL CHARACTERISTICS
ASTM E1477	5	6" x 6" x 2"	Poly Max 5pcf White acoustic board
	5	6" x 6" x 1"	Poly Max 7.5pcf White acoustic board
	5	6" x 6" x 1/2"	Poly Max 9.4pcf White acoustic board

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SECTION 8

TEST RESULTS

ASTM E1477 - Luminous Reflectance Factor

SPECIMEN ID	SPECIMEN NO.	LUMINOUS REFLECTANCE FACTOR (Y)
2" Poly Max 5pcf White	1	82.365
	2	82.485
	3	81.443
	4	81.690
	5	82.355
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	3	86.815
	4	87.412
	5	87.125
	Average	87.043

SECTION 9

CONCLUSION

The requested test method does not contain specific performance requirements. Results are reported as obtained.

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SECTION 10

PHOTOGRAPH(S)

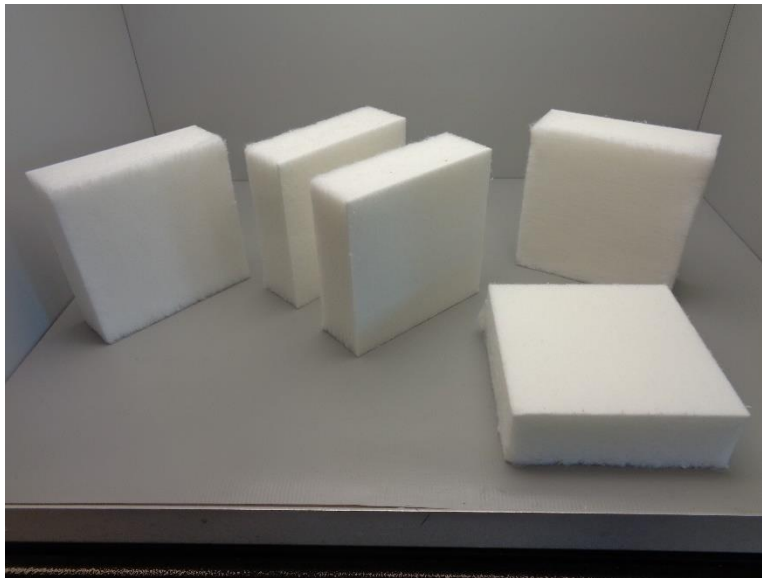


Photo No. 1

2" Poly Max 5pcf White Acoustic Board - As Received



Photo No. 2

1" Poly Max 7.5pcf White Acoustic Board - As Received

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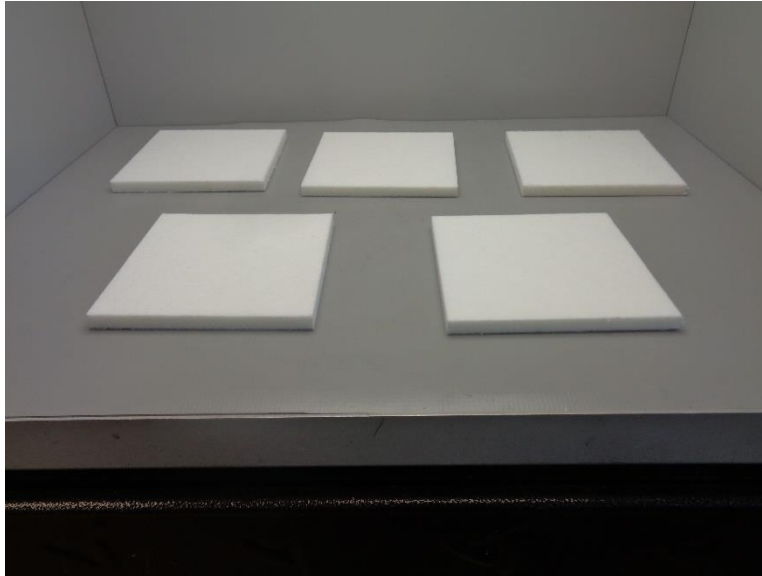


Photo No. 3

1/2" Poly Max 9.4pcf White Acoustic Board - As Received



Photo No. 4

ASTM E1477 Luminous Reflectance Factor - Test in Progress

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Photo No. 5

ASTM E1477 Luminous Reflectance Factor - Specimen Placement



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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 11

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	07/06/20	N/A	Original Report Issue