

CLIENT: CONTACT INDUSTRIES

1155 N. Main Street
Prineville, OR 97754
Dave Shayegi

Test Report No: RJ0906-4

Date: September 21, 2010

SAMPLE ID: The test samples are identified as specimens of Prefinished Wood Veneer face skin laminated to large aluminum panel – Contact Sample ID G12A.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on September 13, 2010.

TESTING PERIOD: September 16, 2010.

AUTHORIZATION: Testing authorized by Dave Shayegi.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-09, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS: Flame Spread Smoke Developed

25

15

Detailed test results are presented in the subsequent pages of this report

Prepared By


Brian Ortega
Test Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**


Greg Banasky
Supervisor Fire Technology

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PREPARATION AND CONDITIONING: The sample material was submitted in sufficient material to form a specimen, 22" wide by 24' long.

Prior to testing, the specimen was placed in the conditioning room (maintained at 73.4 ± 5° F and a relative humidity of 50 ± 5%) and allowed to reach moisture equilibrium.

E 84 TEST DATA SHEET:

CLIENT: Contact Industries **DATE:** 09/16/10

SAMPLE: Prefinished Wood Veneer face skin laminated to large aluminum panel – Contact Sample ID G12A

FLAME SPREAD:

IGNITION: 1 minute, 11 seconds

FLAME FRONT: 6 feet maximum

TIME TO MAXIMUM SPREAD: 1 minute, 30 seconds

TEST DURATION: 10 minutes

CALCULATION: 51.73 x 0.515 = 26.64

SUMMARY: FLAME SPREAD: 25 **SMOKE DEVELOPED:** 15

SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803.

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CLIENT: CONTACT INDUSTRIES

1155 N. Main Street
Prineville, OR 97754
Dave Shayegi

Test Report No: RJ0885-1

Date: August 25, 2010

SAMPLE ID: The test samples are identified as specimens of Prefinished Wood Veneered Aluminum Linear Ceiling panel – Contact Sample ID B10.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on August 23, 2010.

TESTING PERIOD: August 25, 2010.

AUTHORIZATION: Testing authorized by Dave Shayegi.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-09, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS: Flame Spread Smoke Developed

25

25

Detailed test results are presented in the subsequent pages of this report

CONCLUSION: The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

Prepared By


Brian Ortega
Test Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**


Greg Banasky
Supervisor Fire Technology

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PREPARATION AND CONDITIONING: The sample material was submitted in sufficient material to form a specimen, 22" wide by 24' long.

Prior to testing, the specimen was placed in the conditioning room (maintained at 73.4 ± 5° F and a relative humidity of 50 ± 5%) and allowed to reach moisture equilibrium.

E 84 TEST DATA SHEET:

CLIENT: Contact Industries **DATE:** 08/25/10

SAMPLE: Prefinished Wood Veneered Aluminum Linear Ceiling panel – Contact Sample ID B10

FLAME SPREAD:

IGNITION: 35 seconds

FLAME FRONT: 5 feet maximum

TIME TO MAXIMUM SPREAD: 57 seconds

TEST DURATION: 10 minutes

CALCULATION: 46.35 x 0.515 = 23.87

SUMMARY: FLAME SPREAD: 25 SMOKE DEVELOPED: 25

SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

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CLIENT: CONTACT INDUSTRIES

1155 N. Main Street
Prineville, OR 97754
Dave Shayegi

Test Report No: RJ0970-6

Date: October 22, 2010

SAMPLE ID: The test samples are identified as specimens of Prefinished Wood Veneer face & back skin laminated to a fire retardant particle board ceiling panel – Contact Sample ID E13.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on October 10, 2010

TESTING PERIOD: October 20, 2010.

AUTHORIZATION: Testing authorized by Dave Shayegi.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-09, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS:	<u>Flame Spread</u>	<u>Smoke Developed</u>
	25	95

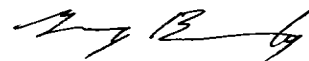
Detailed test results are presented in the subsequent pages of this report

Prepared By



Brian Ortega
Test Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**



Greg Banasky
Supervisor Fire Technology



PREPARATION AND CONDITIONING: The sample material was submitted in a sufficient number of pieces, to form a specimen, 22" wide by 24' long.

Prior to testing, the specimen was placed in the conditioning room (maintained at 73.4 ± 5° F and a relative humidity of 50 ± 5%) and allowed to reach moisture equilibrium.

E 84 TEST DATA SHEET:

CLIENT: Contact Industries **Date:** 10/20/10

SAMPLE: Prefinished Wood Veneer face & back skin laminated to a fire retardant particle board ceiling panel
Contact Sample ID E13

FLAME SPREAD:

IGNITION: 45 seconds

FLAME FRONT: 6 feet maximum

TIME TO MAXIMUM SPREAD: 1 minute, 17 seconds

TEST DURATION: 10 minutes

CALCULATION: 49.26 x 0.515 = 25.36

SUMMARY: FLAME SPREAD: 25 SMOKE DEVELOPED: 95

SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

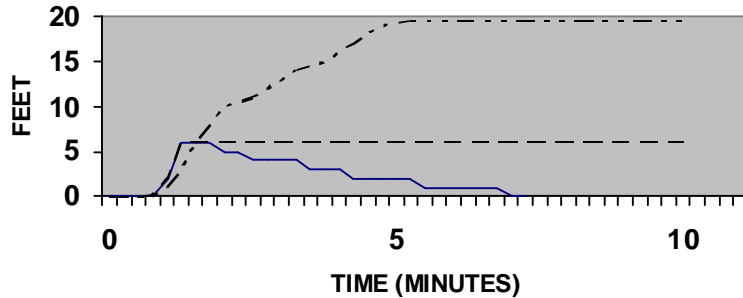
<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

BUILDING CODES CITED:

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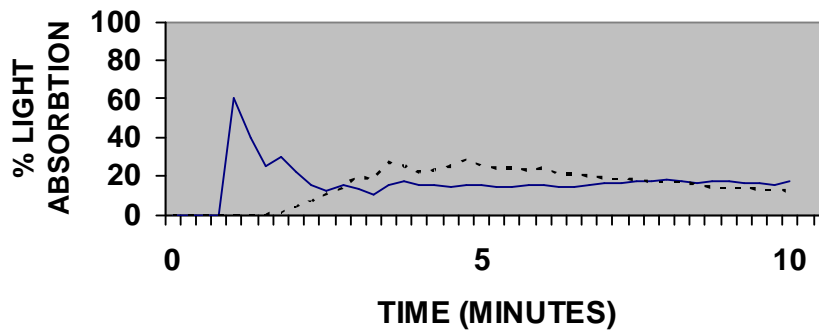
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FLAME SPREAD
CONTACT SAMPLE ID E13



— SAMPLE - - - - RED OAK - - - F.S. AREA

SMOKE DEVELOPED
CONTACT SAMPLE ID E13



— SAMPLE - - - - RED OAK

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