

CLIENT: MADRID INC.
13905 Maryton Ave
Santa Fe Springs Ca. 90670
Shannon Jaeger

Test Report No: RJ2027-1	Date: August 30, 2012
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SAMPLE ID: The test samples are identified as Reflectors/Diffusers with fire rated MDF face and back with veneer core.

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 30, 2012.

TESTING PERIOD: August 30, 2012.

AUTHORIZATION: Testing authorized and witnessed by Shannon Jaeger.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-12, "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>
	10	65


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
Senior Test Technician



PREPARATION AND CONDITIONING: Sufficient sample material was submitted to conform to test chamber dimensions 22" wide by 24' feet 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: Madrid Inc. **Date:** 08/30/12

SAMPLE: Reflectors/Diffusers. Fire rated MDF face and back with Veneer core.

FLAME SPREAD:

IGNITION: 2 minutes, 51 seconds...

FLAME FRONT: 6 feet maximum.

TIME TO MAXIMUM SPREAD: 9 minutes, 47 seconds.

TEST DURATION: 10 minutes.

CALCULATION: 18.34 x .515 = 9.45

SUMMARY: FLAME SPREAD: 10

SMOKE DEVELOPED: 65

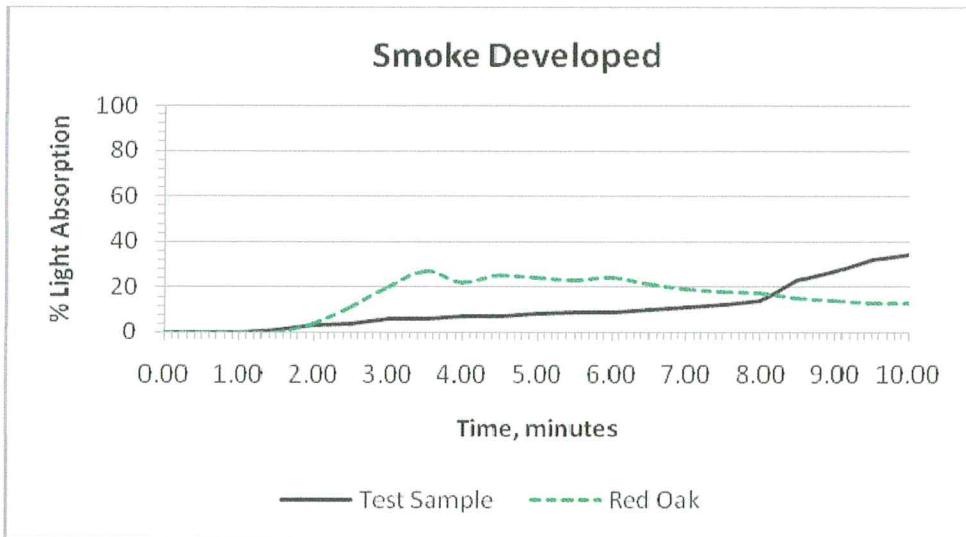
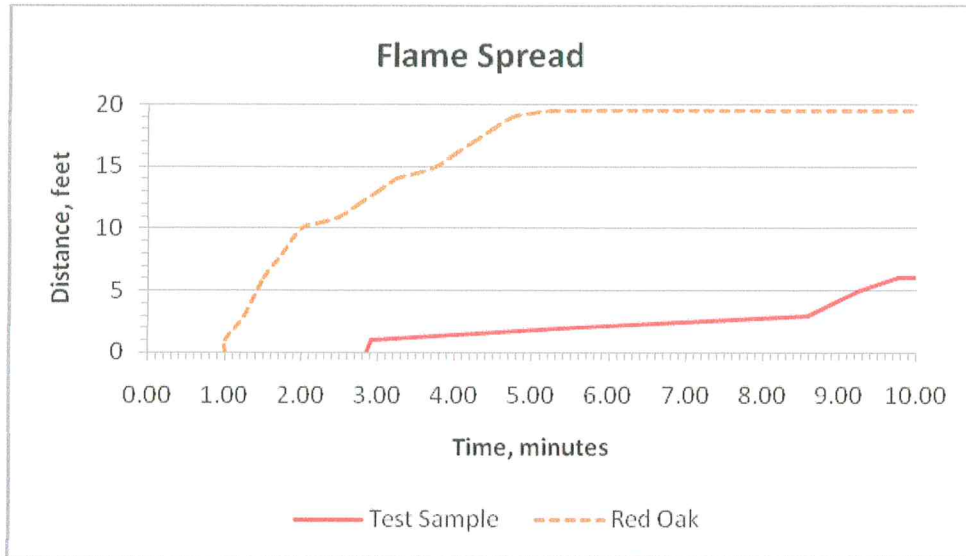
SUMMARY OF RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Developed values over 200 are rounded to the nearest figure divisible by 50.

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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