

CLIENT: MEYER WELLS
1600 West Armory Way
Seattle, WA 98119
Jennifer Jordan

Test Report No: RJ2535-1	Date: May 29, 2013
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SAMPLE ID: The test samples are identified as specimens of Engineered oak plank product with natural oil surface. Three layer construction top and bottom layer oak with conifer wood inner layer.

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 May 9, 2013.

TESTING PERIOD: May 28, 2013.

AUTHORIZATION: Testing authorized by Jennifer Jordan.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-12c, "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>
	70	250

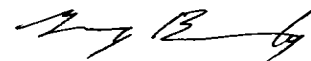
Detailed test results are presented in the subsequent pages of this report

Prepared By



Brian Ortega
Test Technician

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



Greg Banasky
Senior Test Technician



PREPARATION AND CONDITIONING: The sample material was submitted in sufficient quantity to form a specimen 22" wide by 24' long. The sample was supported during testing by 2" hexagonal mesh poultry netting running the length of the test chamber and 1/4" round metal rods placed at two foot intervals across the width of the test chamber.

E 84 TEST DATA SHEET:

CLIENT: MEYER WELLS **DATE:** 04-24-13

SAMPLE: Engineered oak plank product with natural oil surface. Three layer construction top and bottom layer oak with conifer wood inner layer.

FLAME SPREAD:

IGNITION: 42 seconds

FLAME FRONT: 19.5 feet maximum.

TIME TO MAXIMUM SPREAD: 7 minutes, 50 seconds.

TEST DURATION: 10 minutes

CALCULATION: $4900/(195-123.32) = 68.36$

SUMMARY: FLAME SPREAD: 70 **SMOKE DEVELOPED:** 250 (235.61)

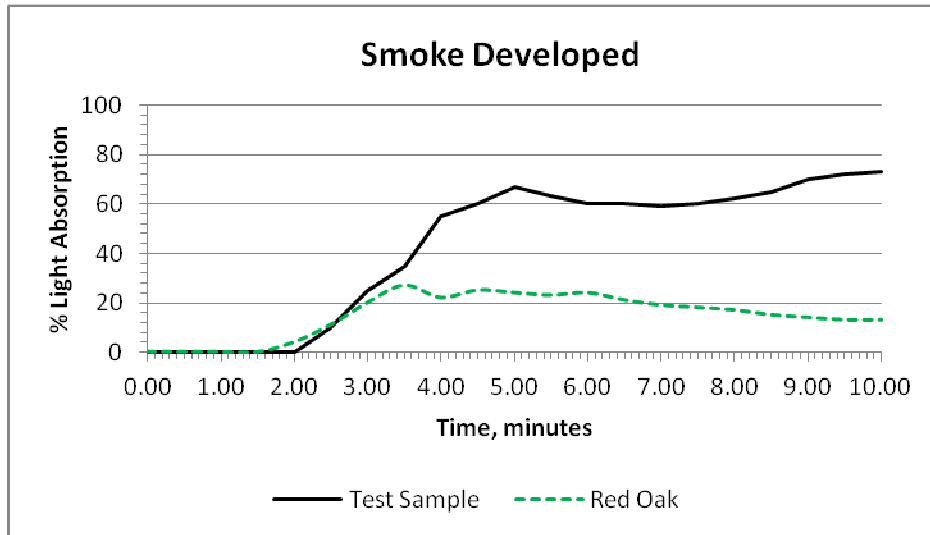
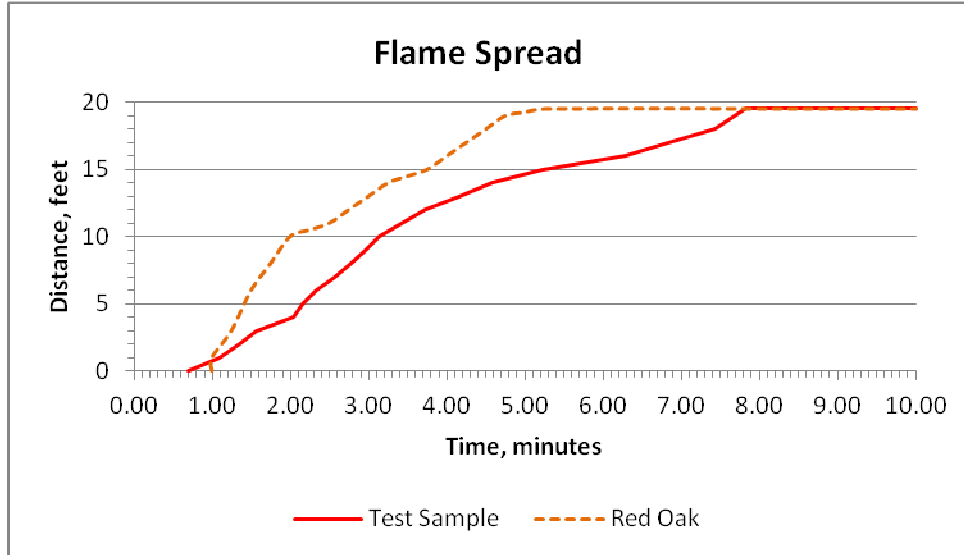
SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

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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