

CLIENT: FLAMEOFF COATINGS, INC.
800 St. Marys St, Suite 402
Raleigh, NC 27605

Test Report No: RJ4203-1

Date: August 12, 2015

SAMPLE ID: The test samples are identified as: FlameOff Intumescent coating applied to 5/8" gypsum board.

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 3, 2015.

TESTING PERIOD: August 12, 2015.

AUTHORIZATION: Testing authorized by Scott Soesbee.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-14, "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

0

0

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

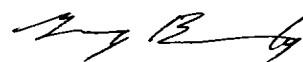
CONCLUSION: The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

Prepared By



Brian Ortega
Test Technician

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



Greg Banasky
Senior Technician

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PREPARATION: Sufficient sample material was submitted to conform to tunnel test dimensions, 24" wide by 24' long.

CONDITIONING: The test specimen was conditioned to a constant weight at a temperature of $73.4 \pm 5^\circ \text{F}$ ($23 \pm 2.8^\circ \text{C}$) and a relative humidity of $50 \pm 5\%$.

CEMENT BOARD PLACEMENT: The 1/4" cement boards were placed between the test specimen and the chamber lid.

E 84 TEST DATA SHEET:

CLIENT: FLAMEOFF COATINGS, INC. **DATE:** 8-12-15

SAMPLE: FlameOff Intumescent coating applied to 5/8" gypsum board.

FLAME FRONT: Did not ignite

TIME TO MAXIMUM SPREAD: N/A

TEST DURATION: 10 minutes.

CALCULATION: N/A

N/A = Not applicable

SUMMARY: FLAME SPREAD: 0 SMOKE DEVELOPED: 0

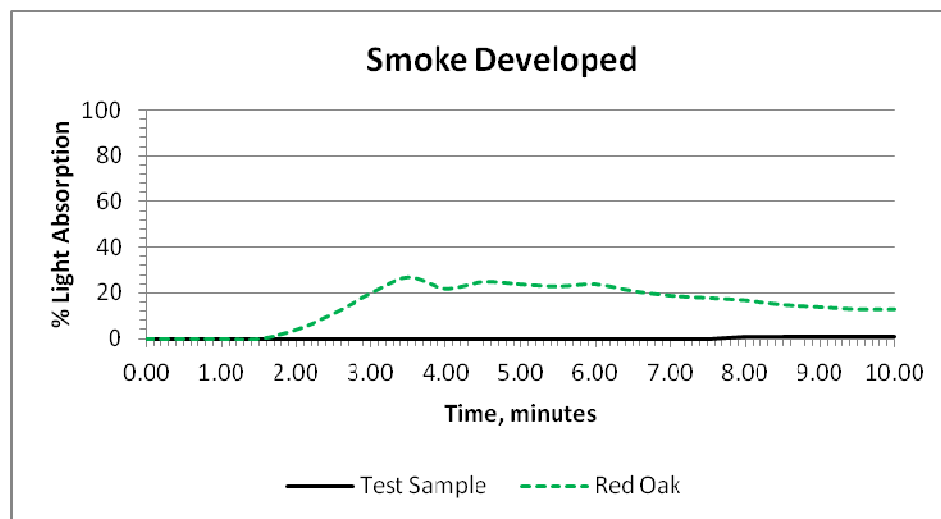
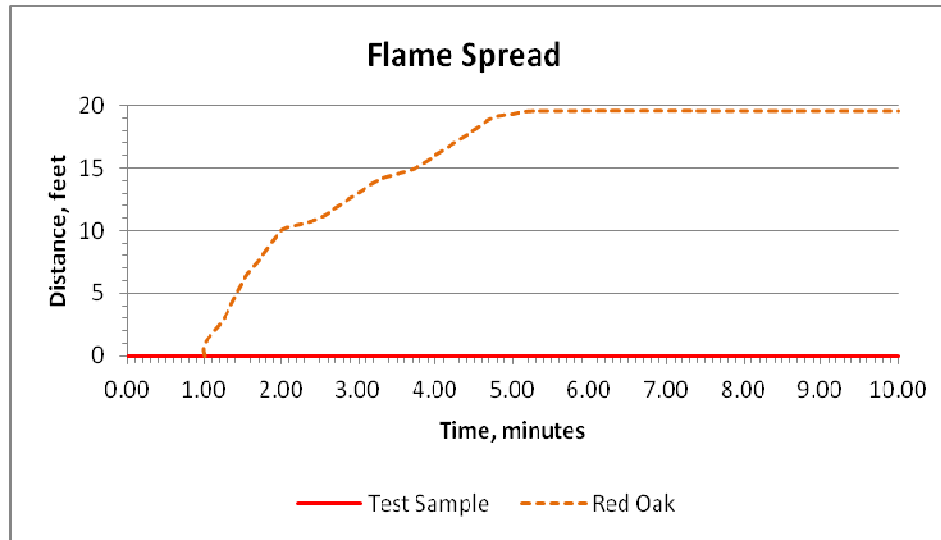
SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

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".
2. International Building Code, Chapter 8, Interior Finishes, Section 803.



End of Report