



TEST REPORT

CLIENT: National Fireproofing Co.
420 Wagner Rd
Porter, IN 46304

Test Report No:	654:027101	Date:	November 2, 2009
-----------------	------------	-------	------------------

SUBJECT: Testing to ASTM E-84

SAMPLE ID: Sample identified as "Flamex PF-1" was received from the client on 10/1/09 in good condition. The sample was described by the manufacturer of containing the following items:

- **Sample Description: Red Oak treated with Flamex PF-1**

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-08a, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The test procedure is equivalent to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

PREPARATION: The sample material was submitted, 22" wide by 24' long.

TEST DATE: 10/22/09

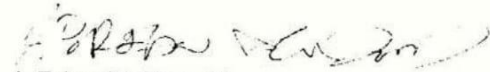
RESULTS: Results can be found on the following pages and apply only to the sample tested.

CLASSIFICATION: Class A

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.**

KSM


Greg Ertel
Engineering Technician


J. Brian McDonald
Fire Technology Department Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Client: National Fireproofing Co.
Report No.: 654:027101

RESULTS:

SAMPLE: Flamex PF -1

TEST DATE: 10/22/09

DATA:

<u>Ignition (minutes: seconds)</u>	00:56
<u>Flame Front (feet)</u>	6.0
<u>Time to Maximum Spread (minutes: seconds)</u>	10:00
<u>Flame Spread</u>	25
<u>Smoke Developed</u>	95

<u>NFPA Class</u>	<u>IBC Class</u>	<u>Flame Spread</u>	<u>Smoke Developed</u>
A	A	0 through 25	≤ 450
B	B	26 through 75	≤ 450
C	C	76 through 200	≤ 450

Total Test Time, (hr:min:sec): 0:10:00

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



GRAPHICAL RESULTS:

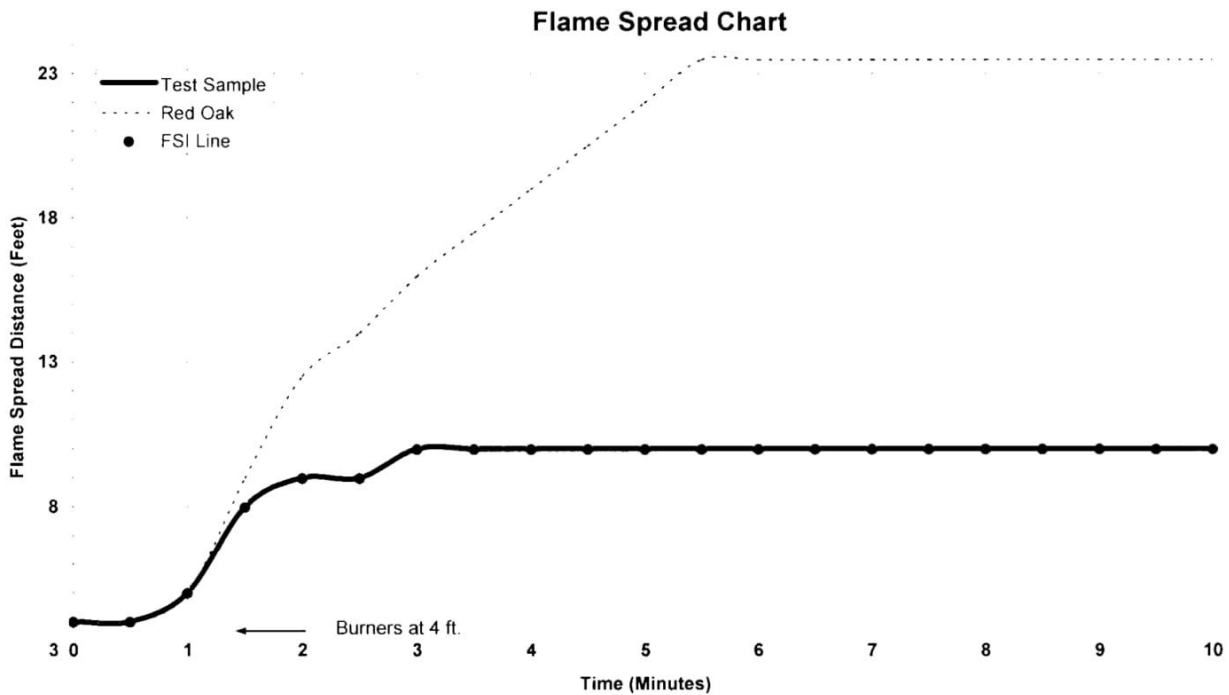


FIGURE 1. Flame Spread



GRAPHICAL RESULTS: (Cont.)

Smoke Developed Chart

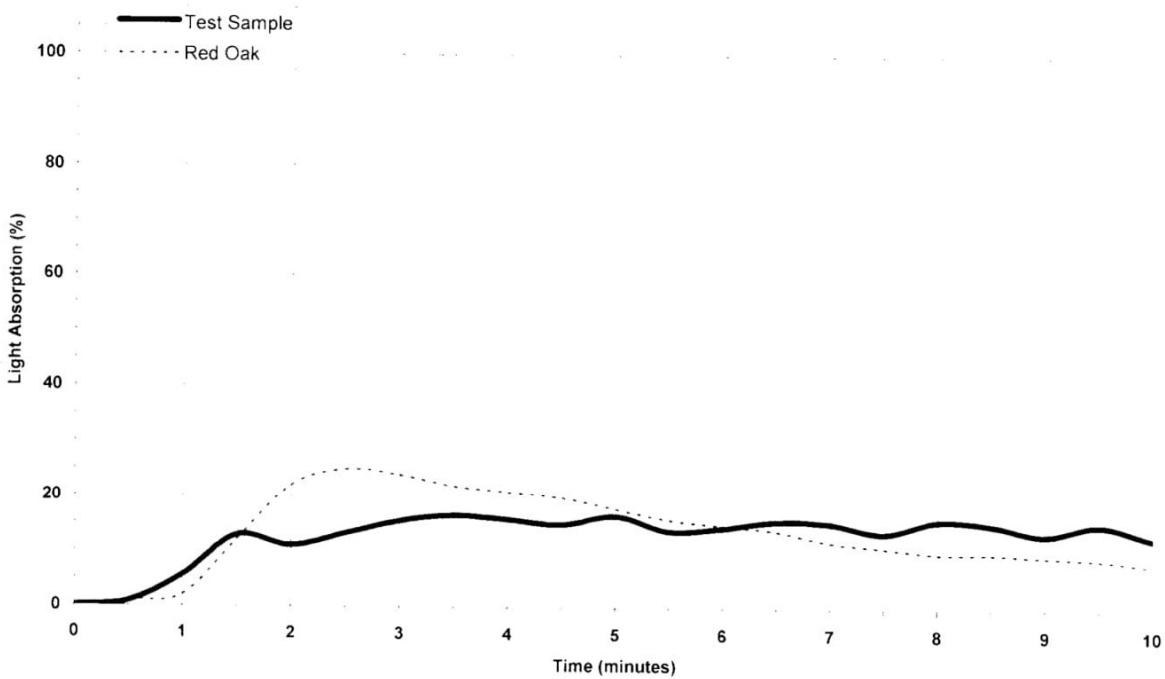


FIGURE 2. Smoke Developed



GRAPHICAL RESULTS: (Cont.)

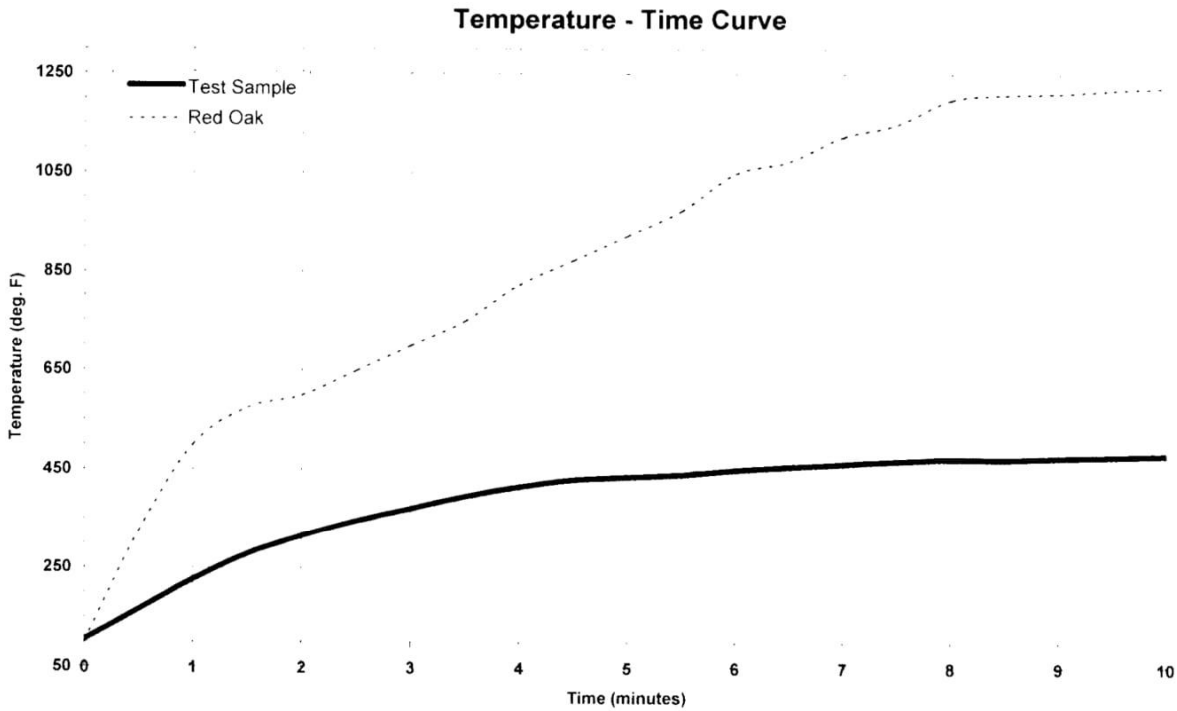


FIGURE 3. Temperature

End of Report