



TEST REPORT

CLIENT: Renewed Materials LLC
PO Box 55
Cabin John, MD 20818-0055

Attn: Gabriele Zamora

Test Report No: 654:026659-2

Date: October 21, 2009

SUBJECT: Testing to ASTM E-84

SAMPLE ID: Sample identified as "ALKEMI" was received from the client on 9/15/09 in good condition. The sample was described by the manufacturer of containing the following items:

- **Sample Description:** ALKEMI – acrylic
- **Color:** Beluga - 600

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 in four pieces, 22" wide by 72" long.

TEST DATE: 10/14/09

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

CERTIFICATION: The test reported was conducted by an SGS U.S. Testing Company, Inc. approved laboratory.

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

KSM

Terry Hurst
Engineering Technician

J. Brian McDonald
Fire Technology Department Manager



RESULTS:

SAMPLE: ALKEMI

TEST DATE: 10/14/09

DATA:

<u>Ignition (minutes: seconds)</u>	01:48
<u>Flame Front (feet)</u>	19.5
<u>Time to Maximum Spread (minutes: seconds)</u>	06:41
<u>Flame Spread</u>	60
<u>Smoke Developed</u>	65

<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

Calculation: $4900 / (195 - 11.28) = 58.53$

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 Data:

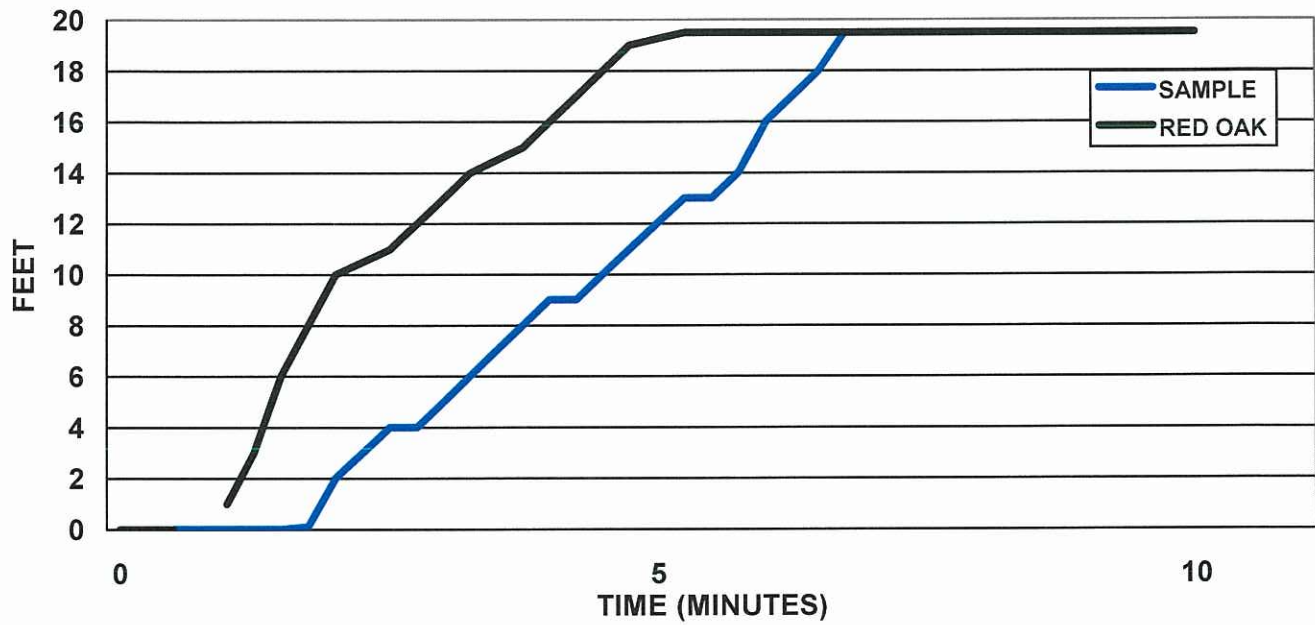


FIGURE 1. Flame Spread

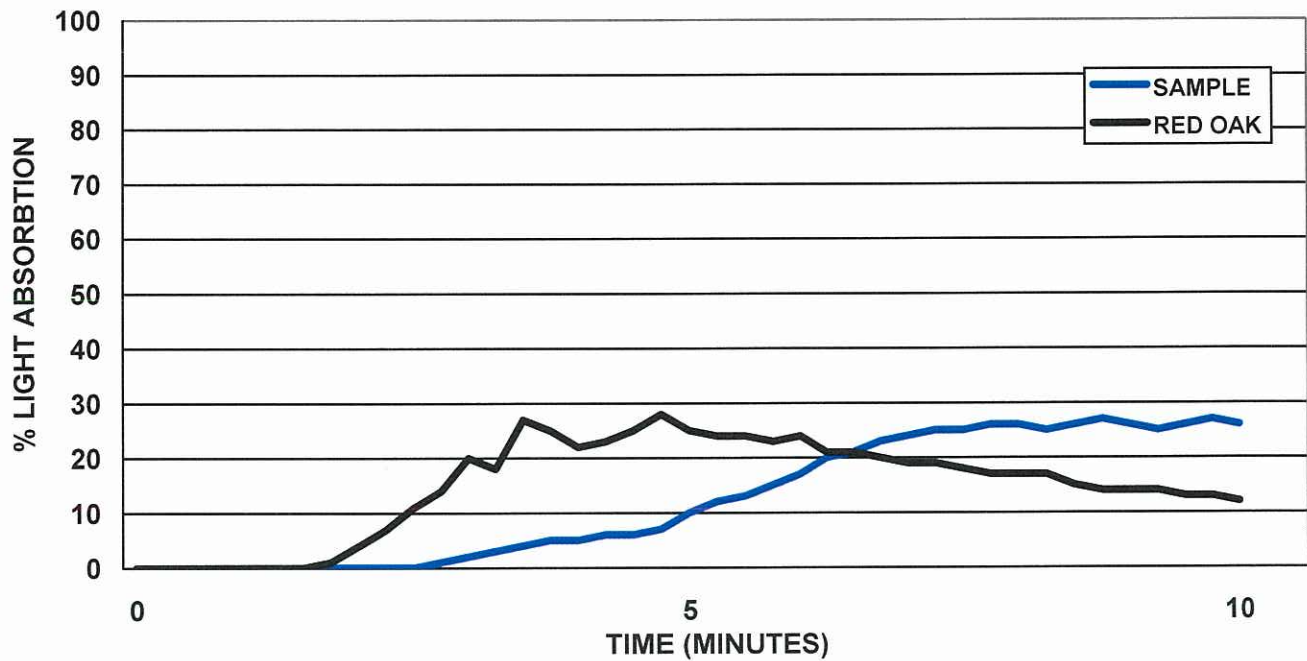


FIGURE 2. Smoke Developed

End of Report