

TEST REPORT

CLIENT:

The Onyx Collection, Inc. 202 Anderson Avenue Blevue, KS 66407

Attn: John McCarthy

Test Report No:

2119203

Date:

August 10, 2010

SUBJECT:

Testing to ASTM E-84

SAMPLE ID:

Sample identified as "21" x 24" was received from the client on 8/2/10 in good condition. The sample was described by the manufacturer of containing the following items:

Sample Description: 21" x 24'

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-09a, "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, 21" wide by 6' long.

TEST DATE:

8/6/10

RESULTS:

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

CLASSIFICATION:

The sample received a 'Class A' rating in accordance with the NFPA and IBC classification

chart on page two of this report.

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

KSM

Engineering Technician

Fire Technology Department Manager

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SGS U.S. Testing Company Inc. 1 Consumer Services Division 1325 North 108th East Avenue, Tulsa, OK 74116 t (918) 437-8333 f (918) 437-8487



Client: The Onyx Collection, Inc. Report No.: 2119203

RESULTS:

SAMPLE: 21" x 24'

TEST DATE: 8/6/10

DATA:

Ignition (minutes: seconds)	01:20
Flame Front (feet)	4.0
Time to Maximum Spread (minutes: seconds)	10:00
Flame Spread	10
Smoke Developed	90

NFPA Class	IBC Class	Flame Spread	Smoke Developed
Α	Α	0 through 25	≤ 450
В	В	26 through 75	≤ 450
С	С	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

Observations:

Blistering

Cracking

Sagging

Afterglow

Floor Burning

Charring

Falling

Afterburn

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GRAPHICAL RESULTS:

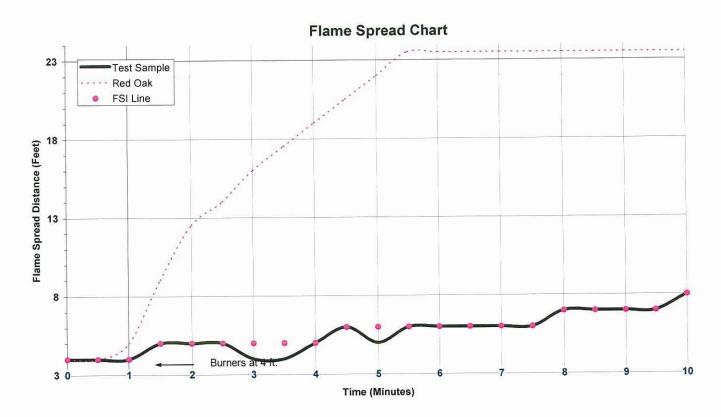


FIGURE 1. Flame Spread

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GRAPHICAL RESULTS: (Cont.)

Smoke Developed Chart Test Sample Red Oak 80 20 0 1 2 3 4 5 6 7 8 9 10

FIGURE 2. Smoke Developed

Time (minutes)

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GRAPHICAL RESULTS: (Cont.)

Temperature - Time Curve

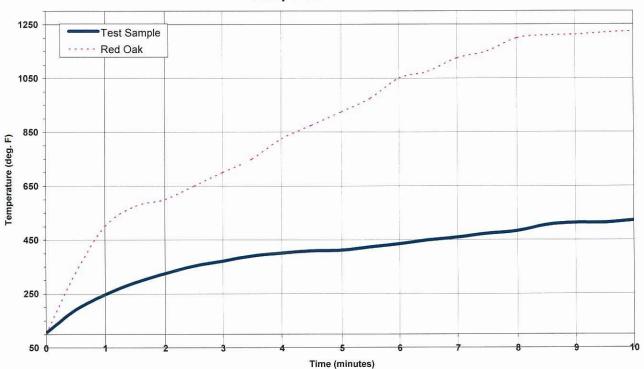


FIGURE 3. Temperature - 24 ft. Air Stream Thermocouple

End of Report

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