

**CLIENT:** **CRANE COMPOSITES**  
23525 W. Eames St.  
Channahon, IL 60410

<b>Test Report No: TJ3316-R1</b>	<b>Date: June 1, 2016</b>
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**SAMPLE ID:** The client identified the following test material as “**Glasbord SCAN 075**”

**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 facilities on October 9, 2015

**TESTING PERIOD:** October 26, 2015

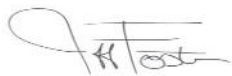
**AUTHORIZATION:** Signed work order VB-2015-092502

**TEST REQUESTED:** Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with CAN/ULC S102-10, “Method of Test for Surface Burning Characteristics of Building Materials and Assemblies”.

<b>TEST RESULTS:</b>	<b><u>Flame Spread Rating</u></b>	<b><u>Smoke Developed Classification</u></b>
	50	150

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

**Prepared By**



Jeff Foster  
Fire Test Technician

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



J. Brian McDonald  
Operations Manager

**PREPARATION AND CONDITIONING:** The sample was submitted in six panels 4 feet long measuring 24 inches wide and approximately 1.60 MM thick. The sample material was placed into conditioning at 73°F (±5°F) and 50% (±5%) relative humidity until day of testing.

**MOUNTING METHOD:** The sample was supported during testing by 2" hexagonal mesh poultry netting running the length of the test chamber and ¼" round metal rods placed at 2' intervals across the width of the test chamber.

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

<b>TEST RESULTS:</b>	<b><u>Flame Spread Values</u></b>	<b><u>Smoke Developed Values</u></b>
Test No. 1	53.5	170
Test No. 2	49.9	153
Test No. 3	<u>48.9</u>	<u>125</u>
<b>Average</b>	<b>50.7</b>	<b>149.6</b>

**Rounded Average Flame Spread Rating (FSR): 50**

**Rounded Average Smoke Developed Classification (SDC): 150**

**CAN/ULC S102-10 TEST DATA SHEET: (Test 1)**

**CLIENT:** Crane Composites **DATE:** October 30, 2015

**SAMPLE:** Glasbord SCAN 075

**IGNITION:** 0 minutes, 47 seconds

**FLAME FRONT:** 13 feet maximum

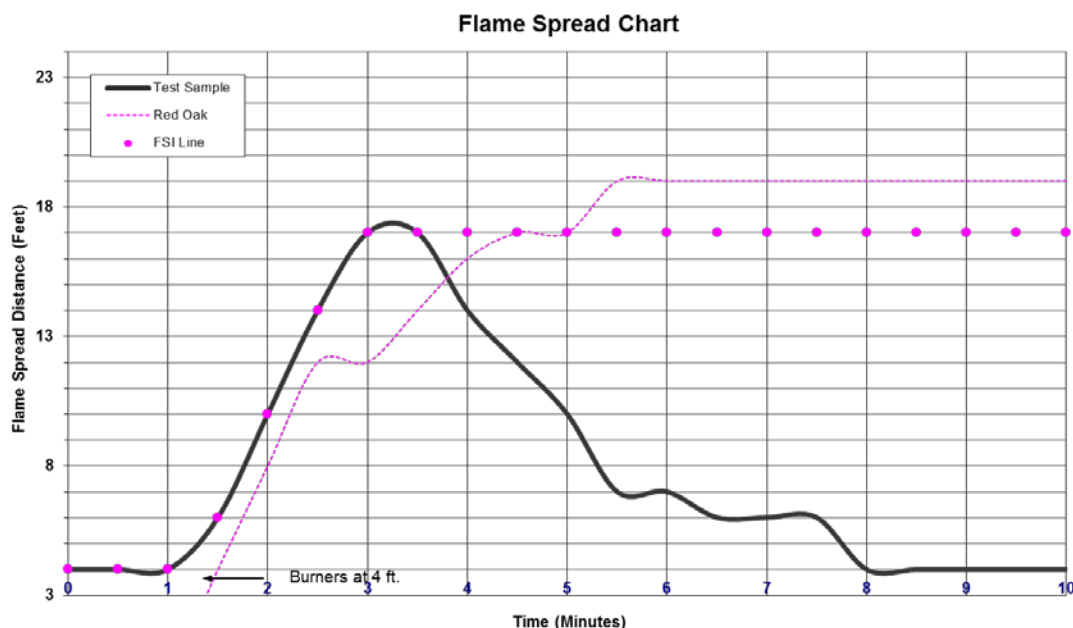
**TIME TO MAXIMUM SPREAD:** 3 minutes, 00 seconds

**TEST DURATION:** 10 minutes, 00 seconds

**SUMMARY: FLAME SPREAD:** 53.5 **SMOKE DEVELOPED:** 171

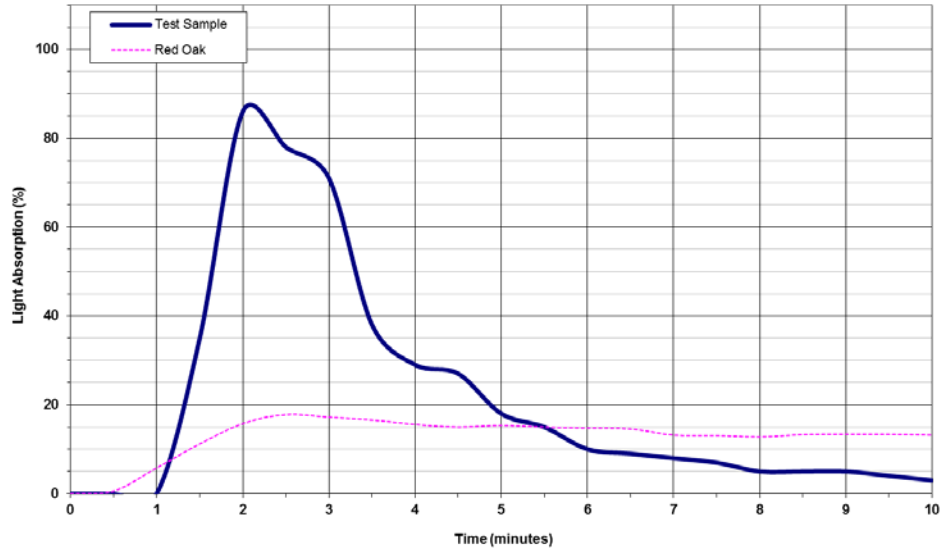
**OBSERVATIONS:**

Crackling was heard at 32 seconds. Sustained ignition was seen at 47 seconds. Flame spread was swift and had reached 13 feet at 3 minutes 3 with light smoke. After burn was witnessed at the conclusion of the ten minute test, and extinguished by fire technician.

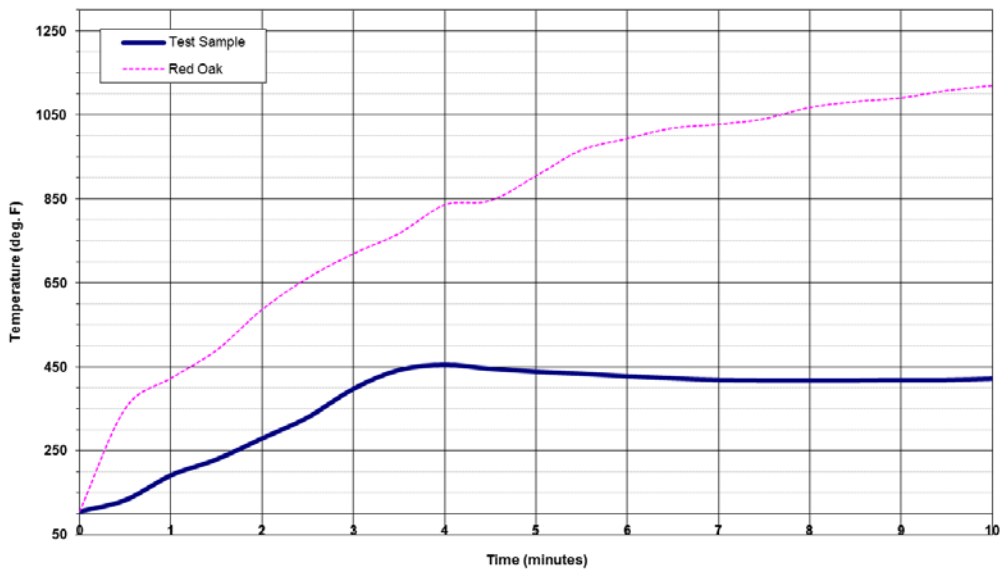


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**Smoke Developed Chart**



**Temperature - Time Curve**



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**CAN/ULC S102-10 TEST DATA SHEET: (Test 2)**

**CLIENT:** Crane Composites **DATE:** October 30, 2015

**SAMPLE:** Glasbord SCAN 075

**IGNITION:** 1 minute, 05 seconds

**FLAME FRONT:** 12 feet maximum

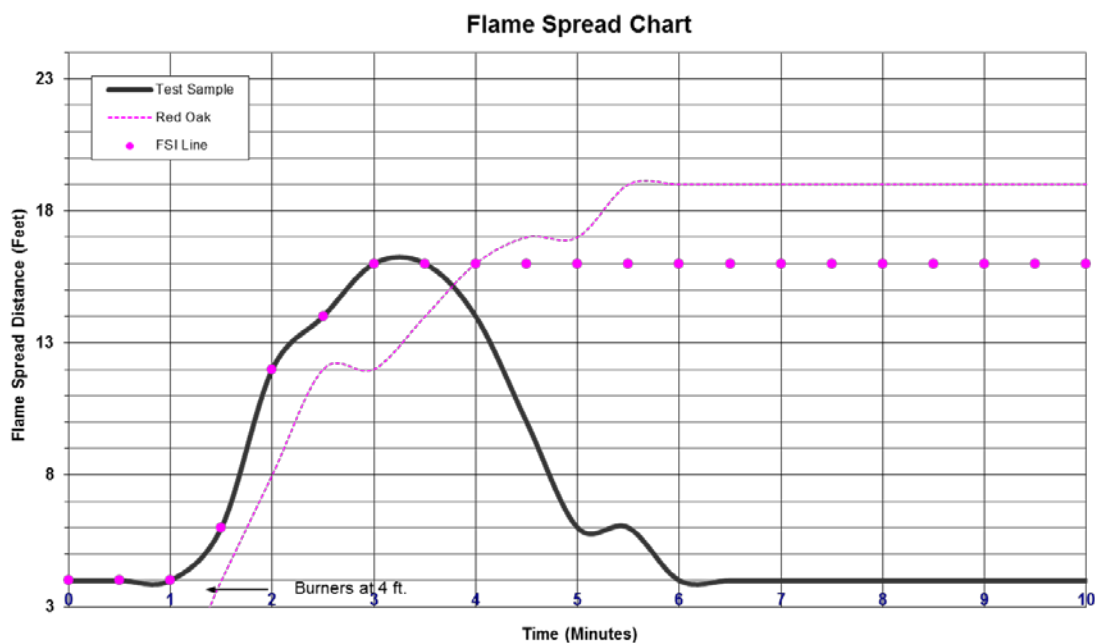
**TIME TO MAXIMUM SPREAD:** 3 minutes, 00 seconds

**TEST DURATION:** 10 minutes, 00 seconds

**SUMMARY: FLAME SPREAD:** 49.9 **SMOKE DEVELOPED:** 153

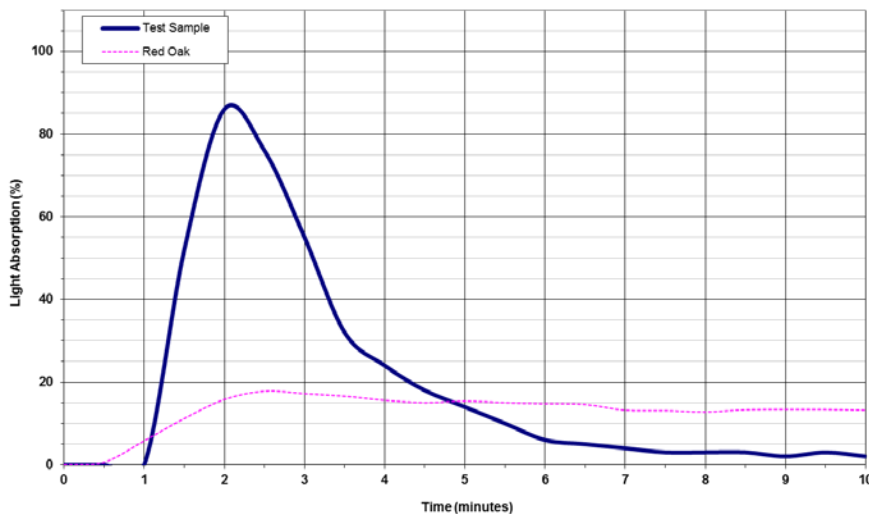
**OBSERVATIONS:**

Crackling was heard at 36 seconds and bubbling was seen at 49 seconds. Sustained ignition was seen at 1 minute 05 seconds. Flame spread was swift and had reached 12 feet at 3 minutes with light smoke. After burn was witnessed at the conclusion of the ten minute test, and extinguished by fire technician.

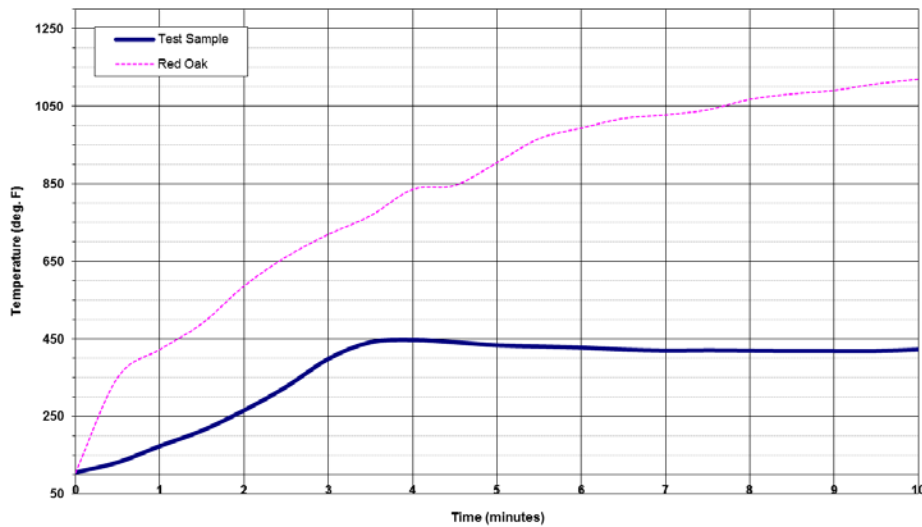


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**Smoke Developed Chart**



**Temperature - Time Curve**



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**CAN/ULC S102-10 TEST DATA SHEET: (Test 3)**

**CLIENT:** Crane Composites **DATE:** September 3, 2015

**SAMPLE:** Glasbord SCAN 075

**IGNITION:** 1 minute, 02 seconds

**FLAME FRONT:** 12 feet maximum

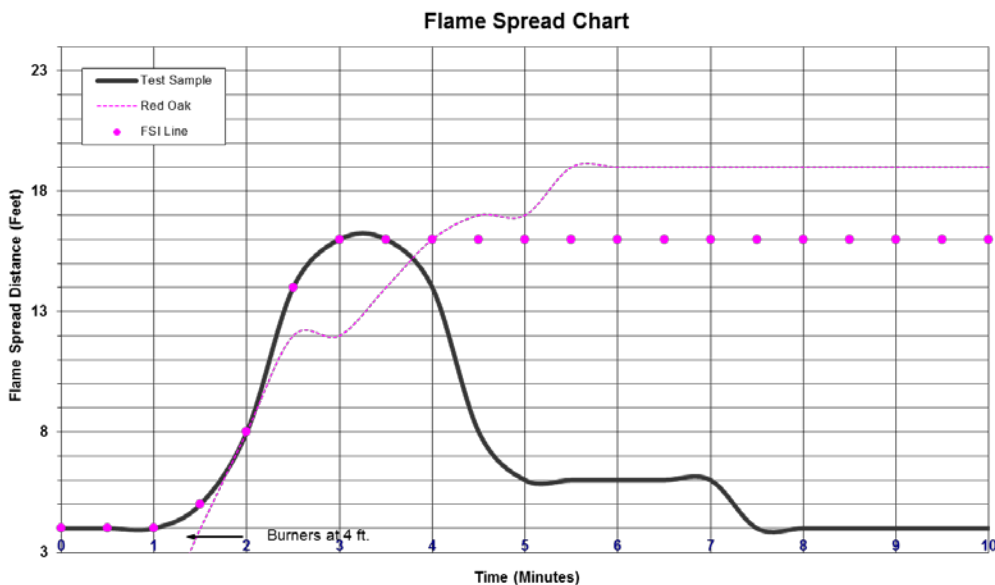
**TIME TO MAXIMUM SPREAD:** 3 minutes, 00 seconds

**TEST DURATION:** 10 minutes, 00 seconds

**SUMMARY: FLAME SPREAD:** 48.9 **SMOKE DEVELOPED:** 125

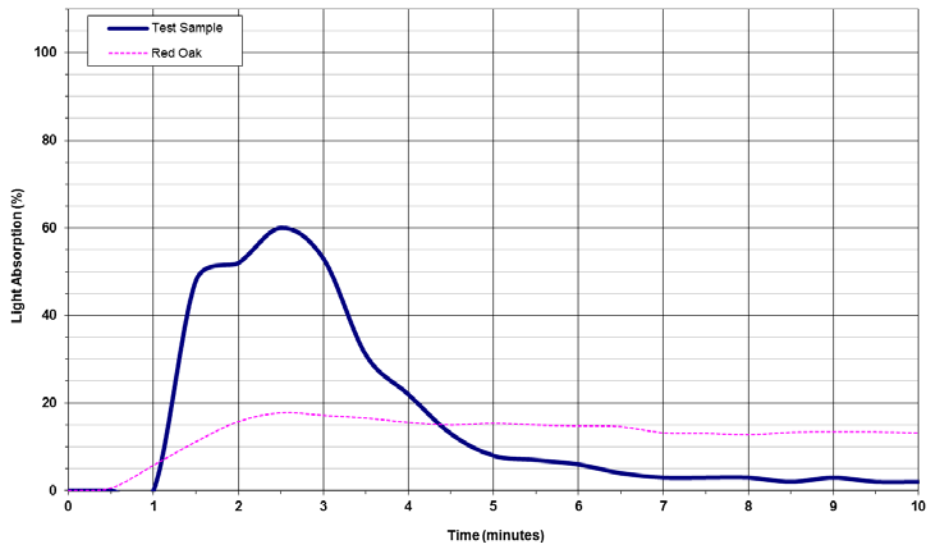
**OBSERVATIONS:**

Crackling was heard at 42 seconds and bubbling was seen at 37 seconds. Sustained ignition was seen at 1 minute 02 seconds. Flame spread was swift and had reached 12 feet at 3 minutes with light smoke. After burn was witnessed at the conclusion of the ten minute test, and extinguished by fire technician.

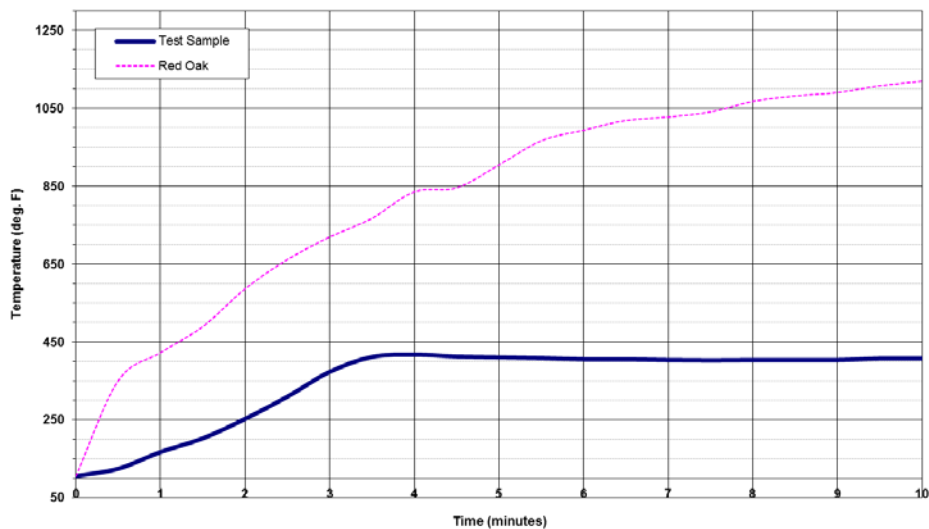


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**Smoke Developed Chart**



**Temperature - Time Curve**



**\*\*\*END OF TEST REPORT\*\*\***

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