

#### **CLIENT: CRANE COMPOSITES**

23525 W. Eames St. Channahon, IL 60410

Test Report No: TJ3315		Date: October 30, 2015	
SAMPLE ID:	The client identified the following test material as "GLASBORD FX 09"		
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-2015-092501		
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".		
TEST RESULTS:	Flame Spread Ratii	ng Smoke Developed Classification	
	10	30	

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.

1260 14

J. Brian McDonald **Operations Manager** 



**PREPARATION AND CONDITIONING:** The sample was submitted in six panels 4 feet long measuring 24 inches wide and approximately 1.95 MM thick. The sample material was placed into conditioning at  $73^{\circ}F$  (±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.

TEST RESULTS:	Flame Spread Values		Smoke Developed Values
т	est No. 1	15.9	35
т	est No. 2	8.9	28
т	est No. 3	<u>9.4</u>	27
Д	verage	11.4	30

Rounded Average Flame Spread Rating (FSR): 10

Rounded Average Smoke Developed Classification (SDC): 30



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

CLIENT: Crane Composites DATE: October 30, 2015

SAMPLE: Glasbord FX 09

IGNITION: 2 minutes, 07 seconds

FLAME FRONT: 5 feet maximum

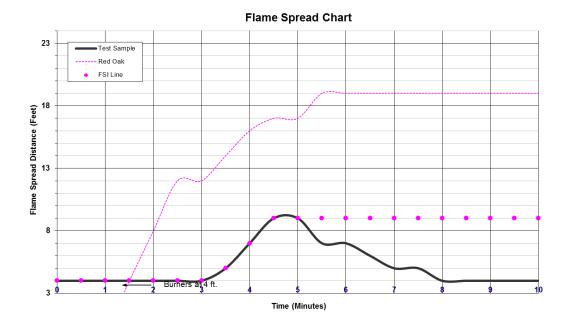
TIME TO MAXIMUM SPREAD: 4 minutes, 30 seconds

TEST DURATION: 10 minutes, 00 seconds

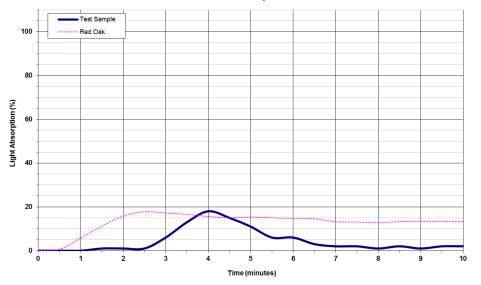
## SUMMARY: FLAME SPREAD: 15.9 SMOKE DEVELOPED: 35

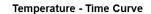
#### **OBSERVATIONS:**

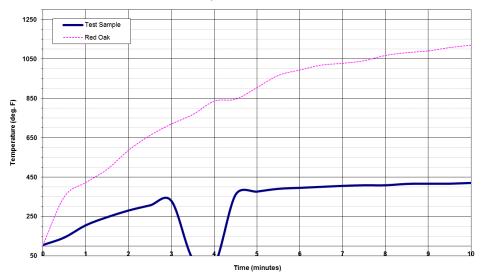
Crackling was heard at 30 seconds. Sustained ignition was seen at 2 minutes 07 seconds. Flame spread was slow and had reached 5 feet at 4 minutes 30 seconds with very light smoke. No after burn or afterglow at the conclusion of the ten minute test.



Smoke Developed Chart









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

CLIENT: Crane Composites DATE: October 30, 2015

SAMPLE: Glasbord FX 09

IGNITION: 2 minutes, 47 seconds

FLAME FRONT: 3 feet maximum

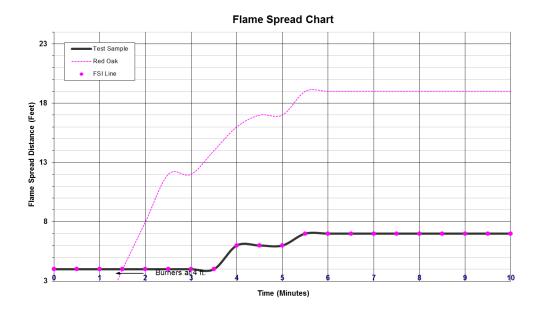
TIME TO MAXIMUM SPREAD: 5 minutes, 30 seconds

TEST DURATION: 10 minutes, 00 seconds

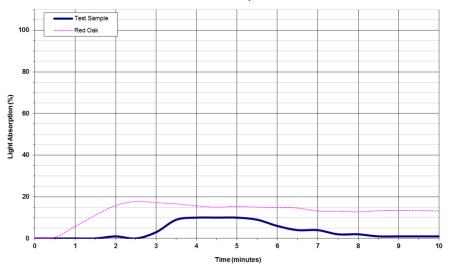
## SUMMARY: FLAME SPREAD: 8.9 SMOKE DEVELOPED: 28

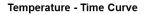
#### **OBSERVATIONS:**

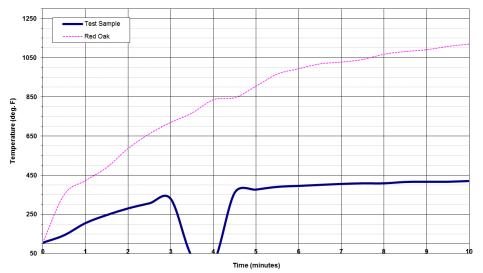
Crackling was heard at 51 seconds. Sustained ignition was seen at 2 minutes 47 seconds. Flame spread was slow and had reached three feet at 5 minutes 30 seconds with very light smoke. No after burn or afterglow at the conclusion of the ten minute test.



Smoke Developed Chart







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

CLIENT: Crane Composites DATE: September 3, 2015

SAMPLE: Glasbord FX 09

IGNITION: 2 minutes, 21 seconds

FLAME FRONT: 3 feet maximum

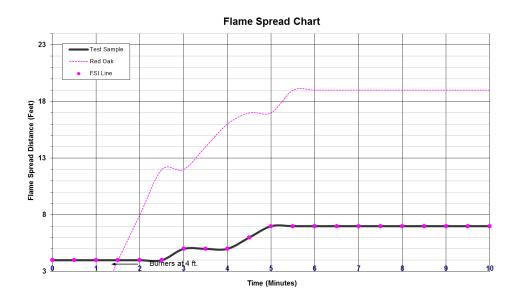
TIME TO MAXIMUM SPREAD: 5 minutes, 00 seconds

TEST DURATION: 10 minutes, 00 seconds

## SUMMARY: FLAME SPREAD: 9.4 SMOKE DEVELOPED: 27

## **OBSERVATIONS:**

Crackling was heard at 41 seconds. Sustained ignition was seen at 2 minutes 21 seconds. Flame spread was slow and had reached 3 feet at 5 minutes with very light smoke. No after burn or afterglow at the conclusion of the ten minute test.



Smoke Developed Chart

