



CLIENT: CRANE COMPOSITES

23525 W Eames St. Channahon, IL 60410

Test Report No: TJ3746 Date: May 26, 2016

SAMPLE ID: The client identified the following test material as "GLASBORD PCAN"

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 April 11, 2016

TESTING PERIOD: May 24, 2016

AUTHORIZATION: Signed work order VB-2016-033102

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 Rating Smoke Developed Classification

45 250

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



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PREPARATION AND CONDITIONING: The sample was submitted in six panels 4 feet long measuring 24 inches wide and approximately .070" thick. The sample material was placed into conditioning at $73^{\circ}F$ ($\pm 5^{\circ}F$) and 50% ($\pm 5\%$) 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 ½" round metal rods placed at 2' intervals across the width of the test chamber, with cement board place between the sample and tunnel lid.

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
	Test No. 1	41.8	225
	Test No. 2	43.0	211
	Test No. 3	<u>47.7</u>	<u>252</u>
	Average	44.1	229.3

Rounded Average Flame Spread Rating (FSR): 45

Rounded Average Smoke Developed Classification (SDC): 250



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

CLIENT: Crane Composites DATE: May 26, 2016

SAMPLE: Glasbord PCAN

IGNITION: 0 minutes, 38 seconds

FLAME FRONT: 10 feet maximum

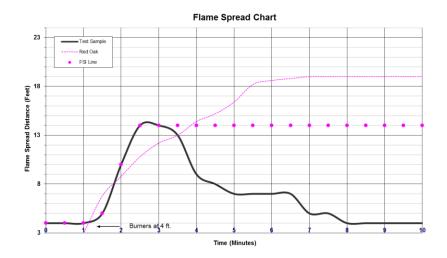
TIME TO MAXIMUM SPREAD: 2 minutes, 30 seconds

TEST DURATION: 10 minutes, 00 seconds

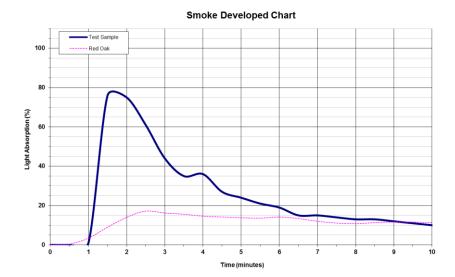
SUMMARY: FLAME SPREAD: 41.8 SMOKE DEVELOPED: 225

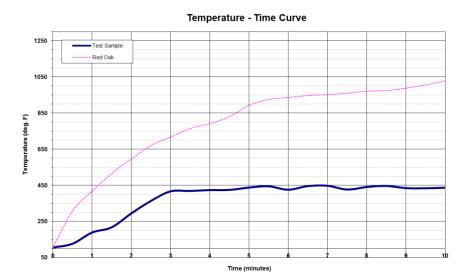
OBSERVATIONS:

Sustained ignition was at 38 seconds Flame spread was quick and had reached 10 feet at 2 minutes 30 seconds before regressing. Moderate smoke was seen during the test. After burn was witnessed at the conclusion of the ten minute test and self-extinguished.











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

CLIENT: Crane Composites DATE: May 26, 2016

SAMPLE: Glasbord PCAN

IGNITION: 0 minutes, 40 seconds

FLAME FRONT: 10 feet maximum

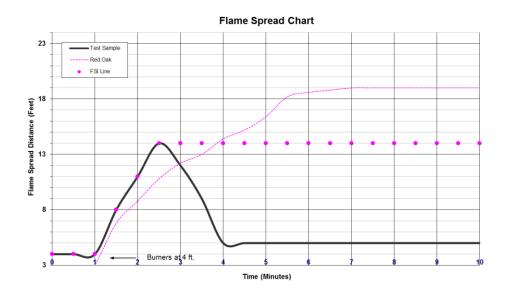
TIME TO MAXIMUM SPREAD: 2 minutes, 30 seconds

TEST DURATION: 10 minutes, 00 seconds

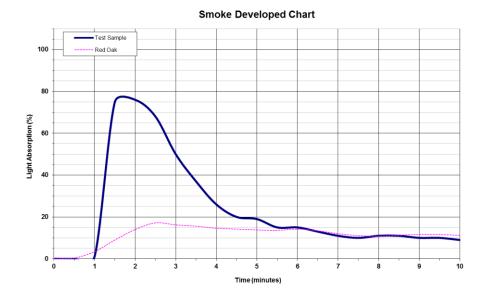
SUMMARY: FLAME SPREAD: 43.0 **SMOKE DEVELOPED:** 211

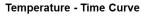
OBSERVATIONS:

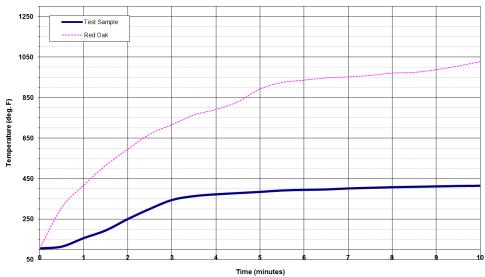
Sustained ignition was at 40 seconds Flame spread was quick and had reached 10 feet at 2 minutes 30 seconds before regressing. Moderate smoke was seen during the test. After burn was witnessed at the conclusion of the ten minute test and self-extinguished.

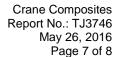














CAN/ULC S102-10 TEST DATA SHEET: (Test 3)

CLIENT: Crane Composites DATE: May 26, 2016

SAMPLE: Glasbord PCAN

IGNITION: 0 minutes, 40 seconds

FLAME FRONT: 11 feet maximum

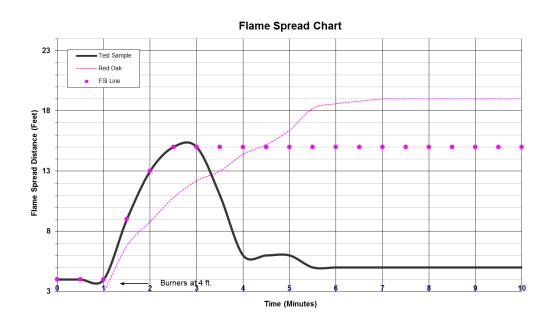
TIME TO MAXIMUM SPREAD: 2 minutes, 30 seconds

TEST DURATION: 10 minutes, 00 seconds

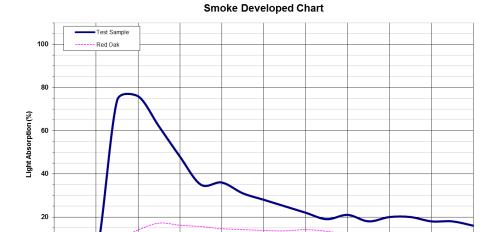
SUMMARY: FLAME SPREAD: 47.7 SMOKE DEVELOPED: 252

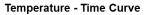
OBSERVATIONS:

Sustained ignition was at 40 seconds Flame spread was quick and had reached 11 feet at 2 minutes 30 seconds before regressing. Moderate smoke was seen during the test. After burn was witnessed at the conclusion of the ten minute test and self-extinguished.

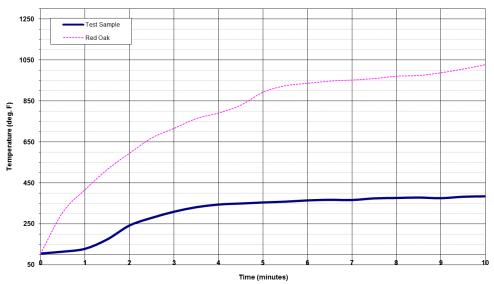








Time (minutes)



END OF TEST REPORT