

CLIENT: **Compact Wood LLC**
2825 Commerce Parkway
North Port, FL, 34289

Test Report Number : RJ6611F-1	Date: October 31, 2018
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SAMPLE ID: The client identified the following test material as:
½" (12mm) Nominal CompactWood® Real Wood compact sheet comprising melamine overlay, wood interlayer with coagulant backer and phenolic kraft paper fused together to form CompactWood sheet.

SAMPLING DETAIL: Test Samples were submitted to the Laboratory directly by the client. No sampling or sample preparation were observed by QAI staff.

DATE OF RECEIPT: Samples were received at QAI facilities on: October 19, 2018

TESTING PERIOD: October 30, 2018 and October 30, 2018.

AUTHORIZATION: Testing was authorized by Ian Dill for proposal 18SP092805 signed October 25, 2018

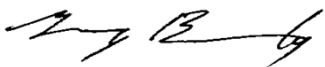
TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with CAN ULC S102 - 10 "STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND ASSEMBLIES".

Flame Spread

Smoke Developed

TEST 1 RESULTS:	0	*UNROUNDED	1	*UNROUNDED
TEST 2 RESULTS:	0	*UNROUNDED	2	*UNROUNDED
TEST 3 RESULTS:	0	*UNROUNDED	1	*UNROUNDED
AVERAGE ROUNDED:	0		0	

Prepared By



Gregory Banasky
Senior Fire Technician

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



Brian Ortega
Senior Analyst / Fire Technology

PREPARATION AND CONDITIONING:

The sample Material was delivered to QAI in pieces 24" wide by 96" long. Three of these pieces were used for the test. (See Photos in Appendix of this report). The specimen was placed in the conditioning room (maintained at $73.4 \pm 5^\circ$ F and a relative humidity of $50 \pm 5\%$) for a minimum of 72 hours prior to testing.

MOUNTING METHOD:

The sample was placed on the chamber ledge.

CAN/ULC S102 TEST RESULTS:

CLIENT: Compact Wood LLC **TEST DATE:** 10/30/2018

TEST #1 OF 3:

SAMPLE ID: ½" (12mm) Nominal CompactWood® Real Wood compact sheet comprising melamine overlay, wood interlayer with coagulant backer and phenolic kraft paper fused together to form CompactWood sheet.

SAMPLE IGNITION: 32 seconds

MAX FLAME FRONT: 0.0 Feet

TIME TO MAXIMUM SPREAD: 00:00 Minutes / Seconds

TEST DURATION: 10 minutes

SUMMARY: FLAME SPREAD: 0 Unrounded

SMOKE DEVELOPED: 1 Unrounded

OBSERVATIONS:

Brief ignition was noted in the flame impingement area.

PREPARATION AND CONDITIONING:

The sample Material was delivered to QAI in pieces 24" wide by 96" long. Three of these pieces were used for the test. (See Photos in Appendix of this report). The specimen was placed in the conditioning room (maintained at $73.4 \pm 5^\circ$ F and a relative humidity of $50 \pm 5\%$) for a minimum of 72 hours prior to testing.

CAN/ULC S102 TEST RESULTS:**MOUNTING METHOD:**

The sample was placed on the chamber ledge.

CLIENT: Compact Wood LLC**TEST DATE:** 10/30/2018**TEST #2 OF 3:**

SAMPLE ID: ½" (12mm) Nominal CompactWood® Real Wood compact sheet comprising melamine overlay, wood interlayer with coagulant backer and phenolic kraft paper fused together to form CompactWood sheet.

SAMPLE IGNITION: 35 seconds

MAX FLAME FRONT: 0.0 Feet

TIME TO MAXIMUM SPREAD: 00:00 Minutes / Seconds

TEST DURATION: 10 minutes

SUMMARY: FLAME SPREAD: 0 Unrounded
SMOKE DEVELOPED: 2 Unrounded

OBSERVATIONS:

Brief ignition was noted in the flame impingement area.

PREPARATION AND CONDITIONING:

The sample Material was delivered to QAI in pieces 24" wide by 96" long. Three of these pieces were used for the test. (See Photos in Appendix of this report). The specimen was placed in the conditioning room (maintained at $73.4 \pm 5^\circ$ F and a relative humidity of $50 \pm 5\%$) for a minimum of 72 hours prior to testing.

CAN/ULC S102 TEST RESULTS:**MOUNTING METHOD:**

The sample was placed on the chamber ledge.

CLIENT: Compact Wood LLC**TEST DATE:** 10/30/2018**TEST #3 OF 3:**

SAMPLE ID: ½" (12mm) Nominal CompactWood® Real Wood compact sheet comprising melamine overlay, wood interlayer with coagulant backer and phenolic kraft paper fused together to form CompactWood sheet.

SAMPLE IGNITION: 40 seconds

MAX FLAME FRONT: 0.0 Feet

TIME TO MAXIMUM SPREAD: 0 minutes, 0 seconds

TEST DURATION: 10 minutes

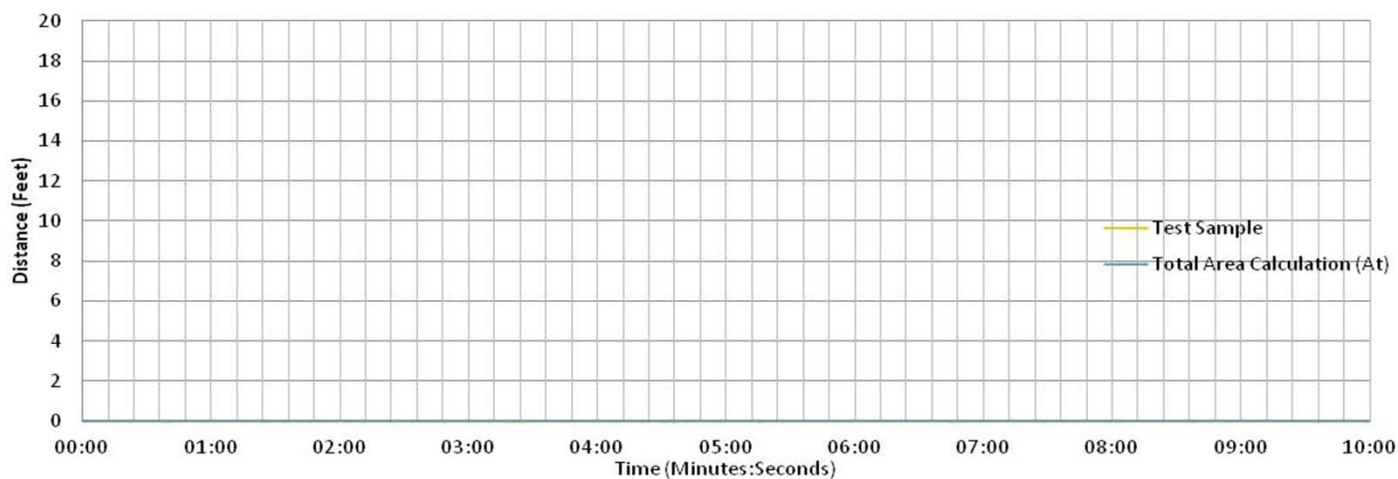
SUMMARY:	FLAME SPREAD:	0 Unrounded
	SMOKE DEVELOPED:	1 Unrounded

OBSERVATIONS:

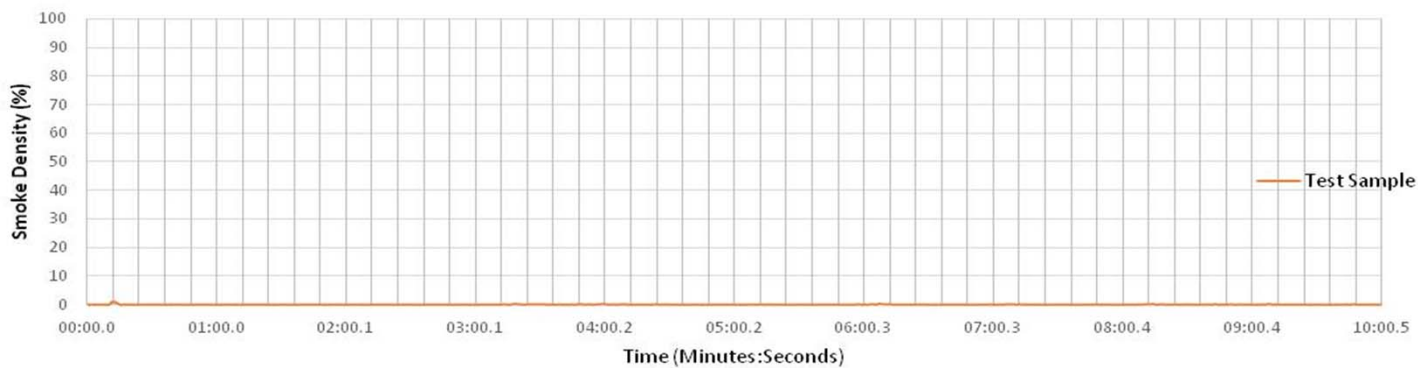
Brief ignition was noted in the flame impingement area.

TEST #1 OF 3 GRAPHS:

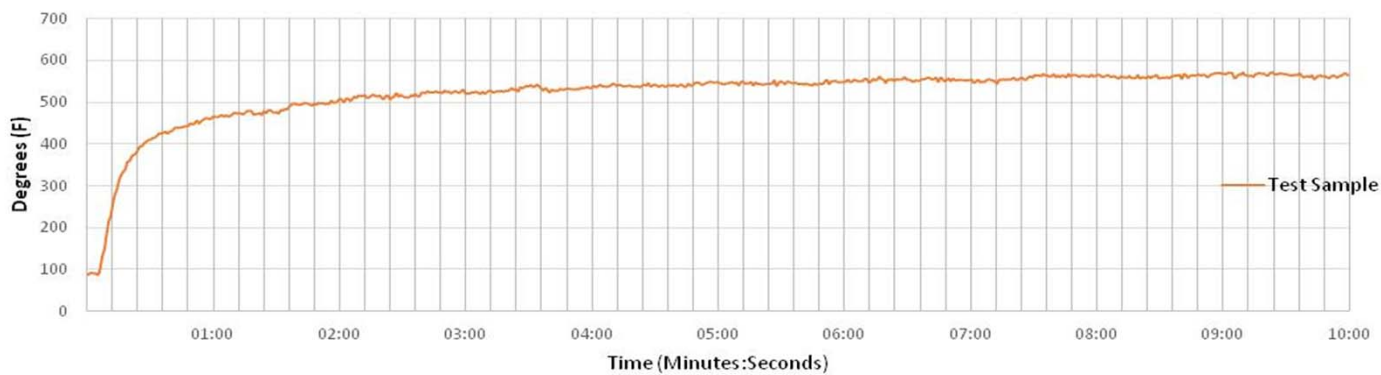
Flame Spread



Smoke Readings

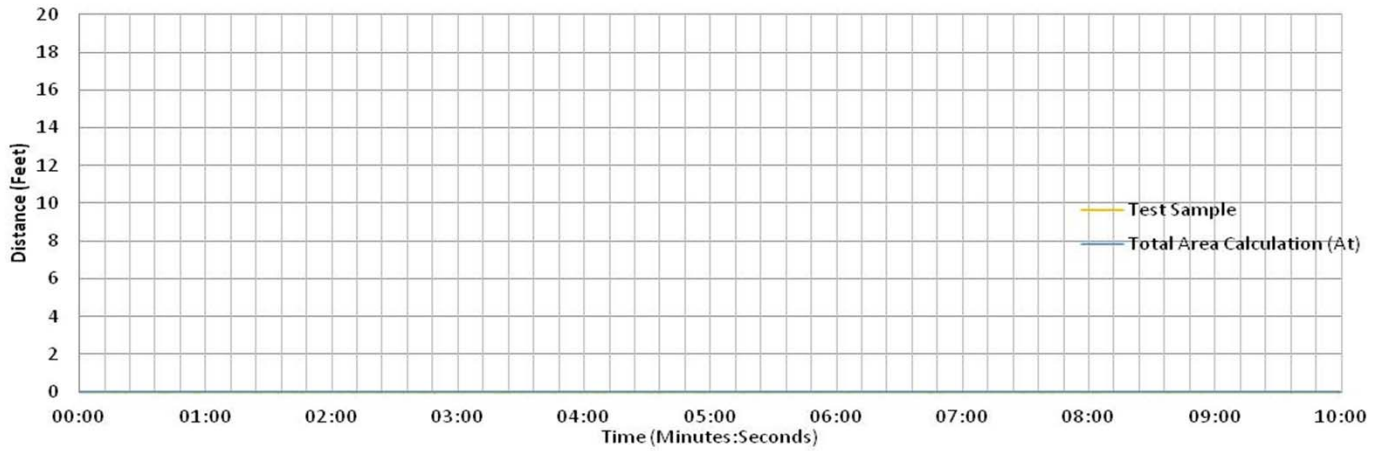


Temperature

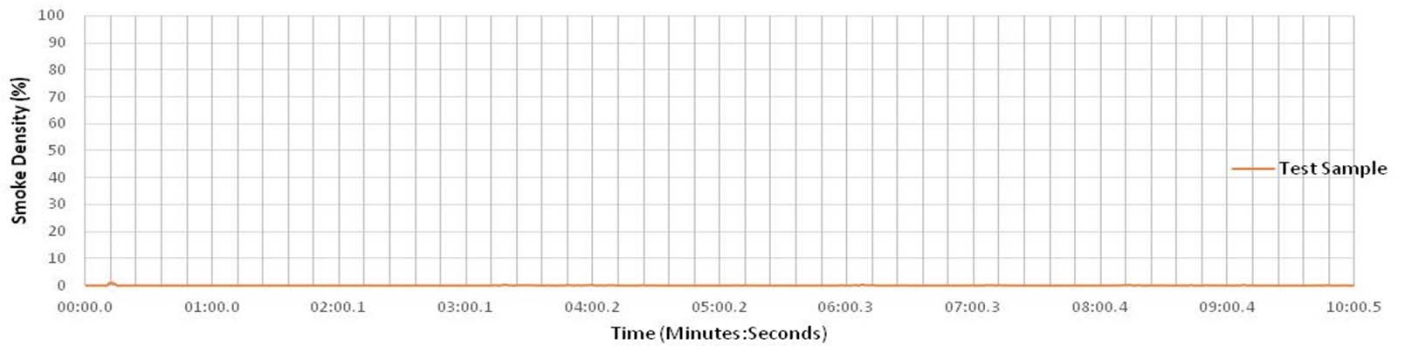


TEST #2 OF 3 GRAPHS:

Flame Spread



Smoke Readings

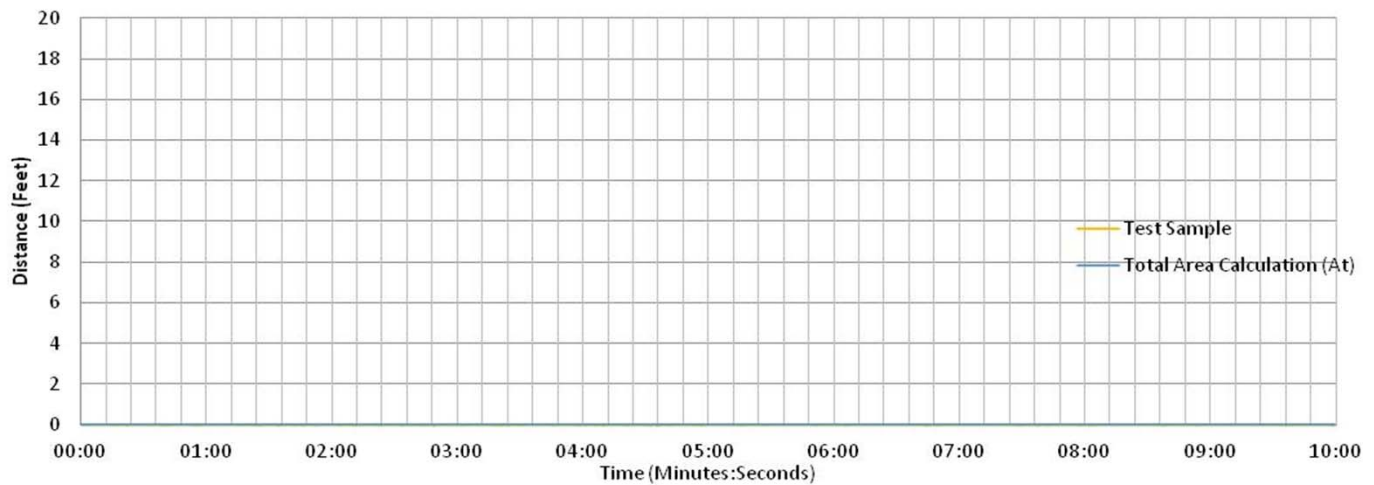


Temperature



TEST #3 OF 3 GRAPHS:

Flame Spread



Smoke Readings



Temperature



APPENDIX

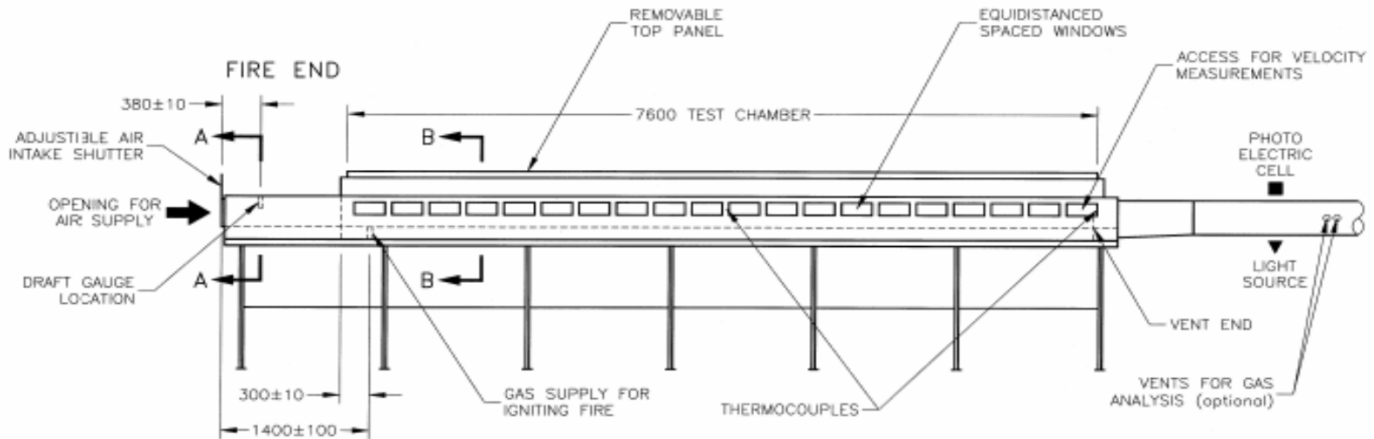


Diagram 1. Test Chamber side view showing critical dimensions.

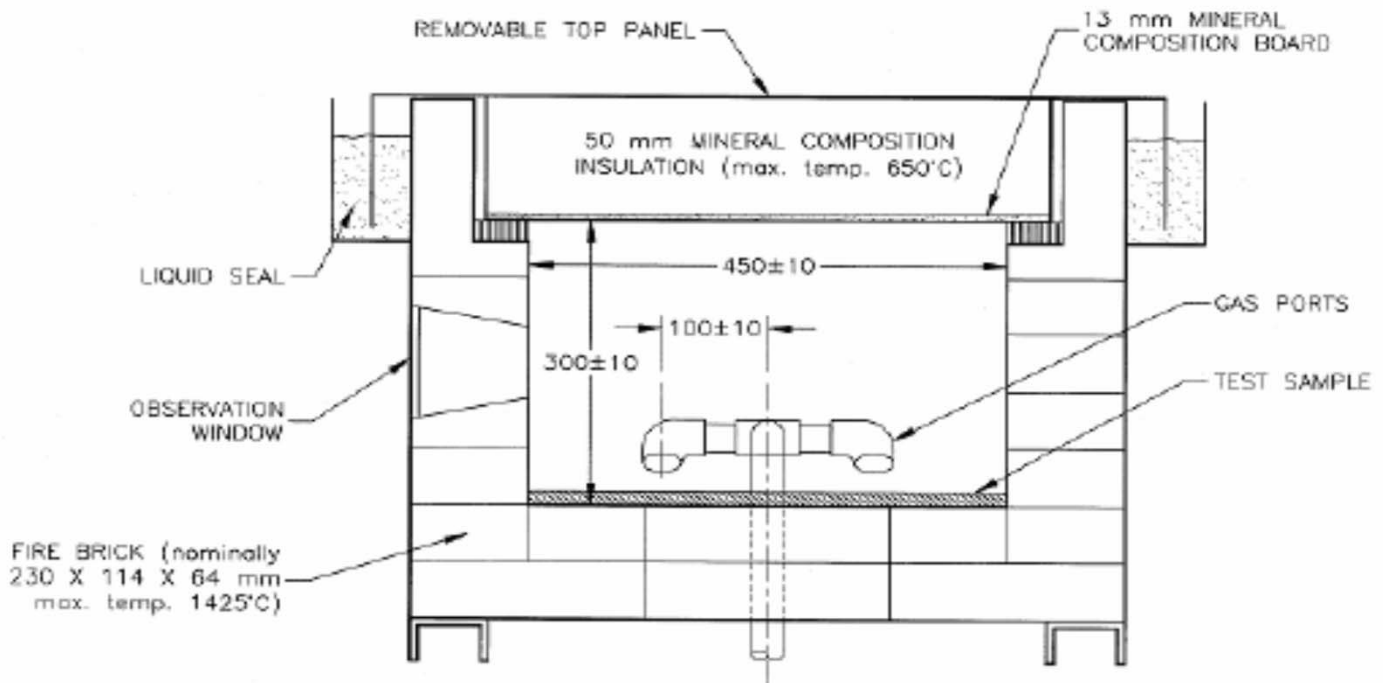


Diagram 2. Test Chamber looking down chamber showing critical dimensions.

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Photo 1. Surface of Specimen Tested

<<<END OF TEST REPORT>>>