

**CLIENT:** **LEN-TEX CORPORATION**  
18 Len-Tex Lane  
North Walpole, NH 03609

<b>Test Report Number :</b> <b>RJ6200F-1</b>	<b>Date:</b> <b>April 25, 2018</b>
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**SAMPLE ID:** The client identified the following test material as:  
**24 oz. Vinyl Wall covering adhered to cement board with a clay based adhesive**

**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: **April 18, 2018**

**TESTING PERIOD:** April 24 & 25, 2018.

**AUTHORIZATION:** Testing was authorized by Mary O'Neil for proposal 18FB04102 signed April 11, 2018

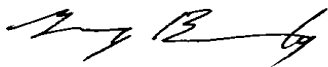
**TEST REQUESTED:** Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with CAN/ULC S102-10 standard test method for "Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies."

**Flame Spread**

**Smoke Developed**

<b>TEST 1 RESULTS:</b>	<b>9</b>	<i>*UNROUNDED</i>	<b>18</b>	<i>*UNROUNDED</i>
<b>TEST 2 RESULTS:</b>	<b>11</b>	<i>*UNROUNDED</i>	<b>27</b>	<i>*UNROUNDED</i>
<b>TEST 3 RESULTS:</b>	<b>11</b>	<i>*UNROUNDED</i>	<b>23</b>	<i>*UNROUNDED</i>
<b>AVERAGE ROUNDED:</b>	<b>10</b>		<b>25</b>	

**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 a roll, the material was cut into pieces, 24" wide by 96" long and adhered to cement board with a clay based adhesive. 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 ± 5° F and a relative humidity of 50 ± 5%) for a minimum of 72 hours prior to testing.

**MOUNTING METHOD:**

Samples were stacked end to end on the chamber ledge to fulfill the chamber requirements for testing.

**CAN/ULC S102 TEST RESULTS:**

**CLIENT:** LEN-TEX CORPORATION

**TEST DATE:** 4/24/2018

**TEST #1 OF 3:**

**SAMPLE ID:** 24 oz. Vinyl Wall covering adhered to cement board with a clay based adhesive

**SAMPLE IGNITION:** 56 seconds

**MAX FLAME FRONT:** 2.3 Feet

**TIME TO MAXIMUM SPREAD:** 03:41 Minutes / Seconds

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

**SUMMARY:** FLAME SPREAD: 9 Unrounded

SMOKE DEVELOPED: 18 Unrounded

**OBSERVATIONS:**

Flaking was noted.

**PREPARATION AND CONDITIONING:**

The Sample Material was delivered to QAI in a roll, the material was cut into pieces, 24" wide by 96" long and adhered to cement board with a clay based adhesive. 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 ± 5° F and a relative humidity of 50 ± 5%) for a minimum of 72 hours prior to testing.

**CAN/ULC S102 TEST RESULTS:**

**MOUNTING METHOD:**

Samples were stacked end to end on the chamber ledge to fulfill the chamber requirements for testing.

**CLIENT:** LEN-TEX CORPORATION

**TEST DATE:** 4/25/2018

**TEST #2 OF 3:**

**SAMPLE ID:** 24 oz. Vinyl Wall covering adhered to cement board with a clay based adhesive

**SAMPLE IGNITION:** 45 seconds

**MAX FLAME FRONT:** 2.5 Feet

**TIME TO MAXIMUM SPREAD:** 02:54 Minutes / Seconds

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

**SUMMARY:** FLAME SPREAD: 11 *Unrounded*  
SMOKE DEVELOPED: 27 *Unrounded*

**OBSERVATIONS:**

Flaking was noted.

**PREPARATION AND CONDITIONING:**

The Sample Material was delivered to QAI in a roll, the material was cut into pieces, 24" wide by 96" long and adhered to cement board with a clay based adhesive. 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:**

Samples were stacked end to end on the chamber ledge to fulfill the chamber requirements for testing.

**CLIENT:** LEN-TEX CORPORATION**TEST DATE:** 4/25/2018**TEST #3 OF 3:****SAMPLE ID:** 24 oz. Vinyl Wall covering adhered to cement board with a clay based adhesive**SAMPLE IGNITION:** 55 seconds**MAX FLAME FRONT:** 2.8 Feet**TIME TO MAXIMUM SPREAD:** 4 minutes**TEST DURATION:** 10 minutes, 0 seconds**SUMMARY:** FLAME SPREAD: 11 *Unrounded*  
SMOKE DEVELOPED: 23 *Unrounded***OBSERVATIONS:**

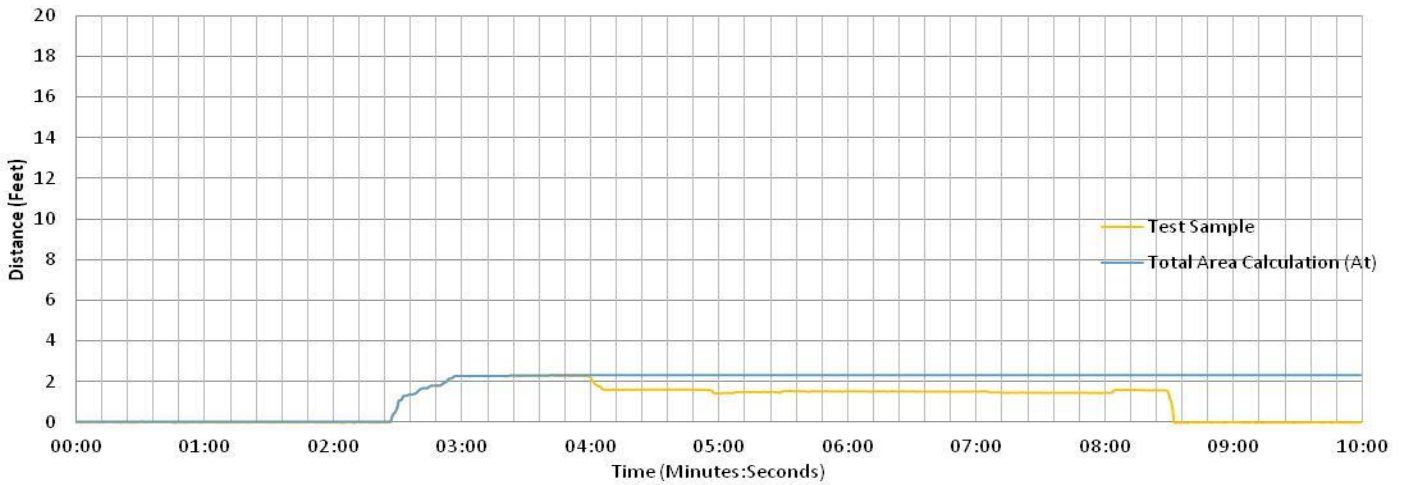
Flaking was noted.

**CALIBRATION DATA:**

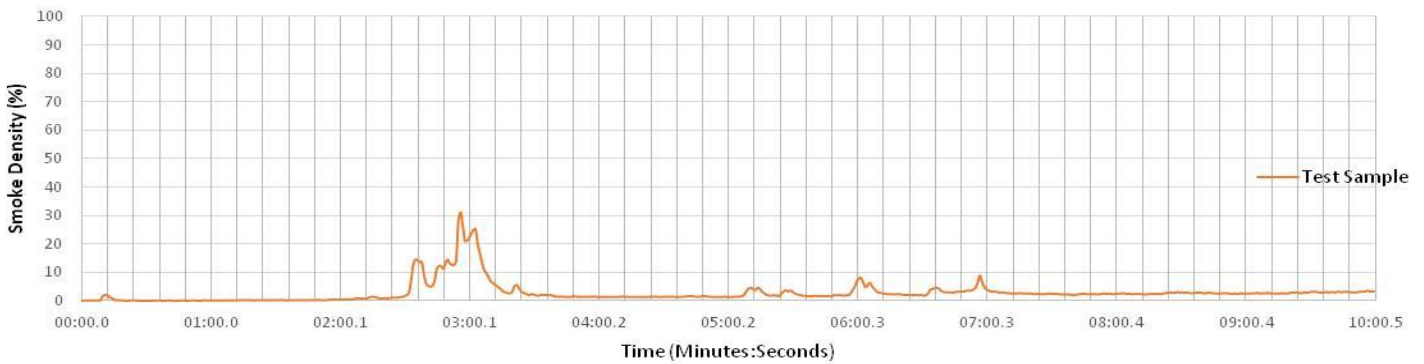
Time to Ignition of Last Red Oak (sec):	115
Red Oak Smoke Area (%A*Min):	152
Total Fuel Burned (ft <sup>3</sup> )	55.0

**TEST #1 OF 3 GRAPHS:**

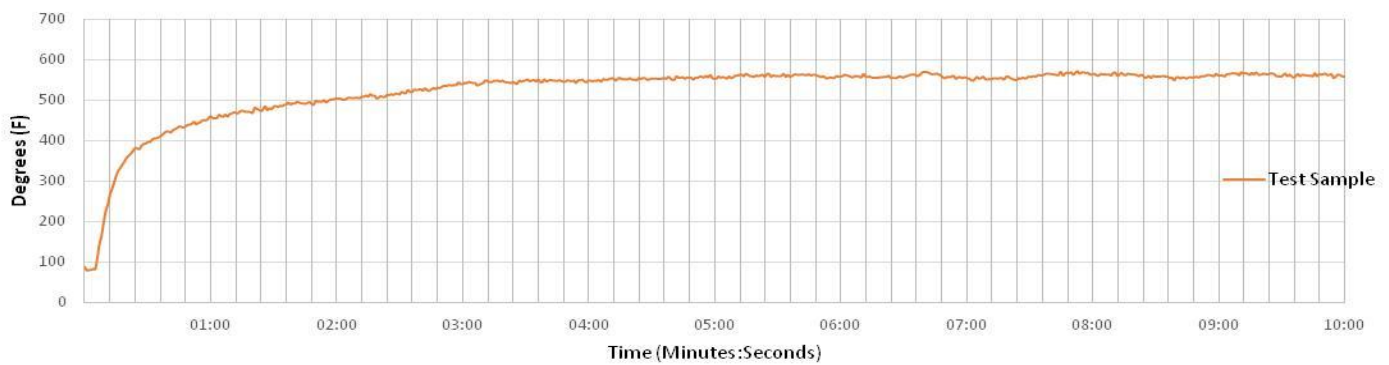
Flame Spread



Smoke Readings

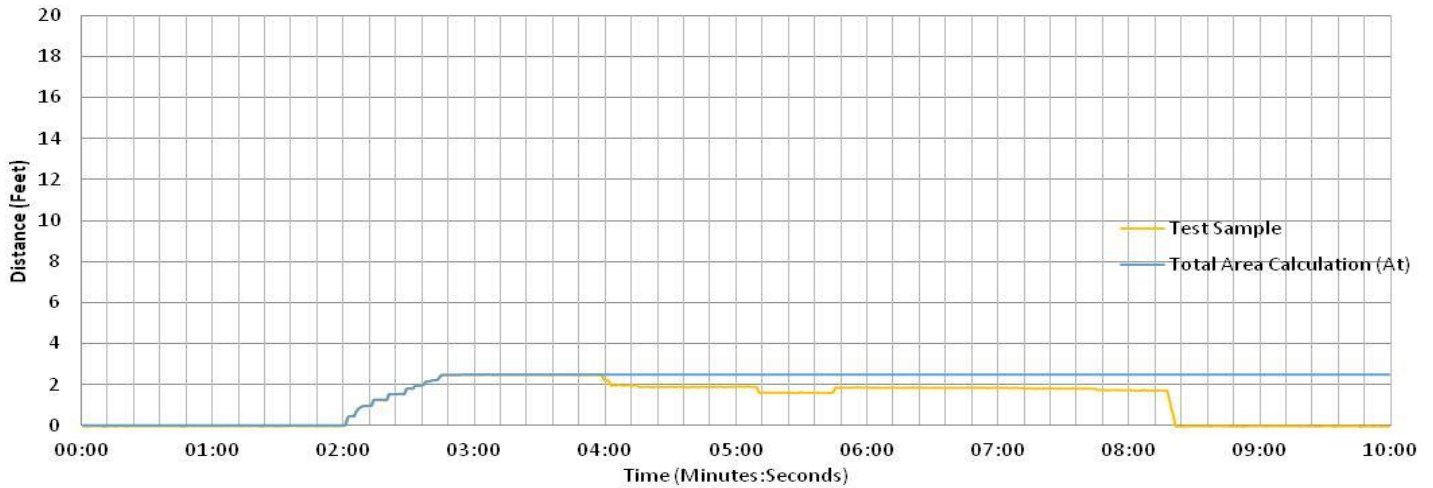


Temperature

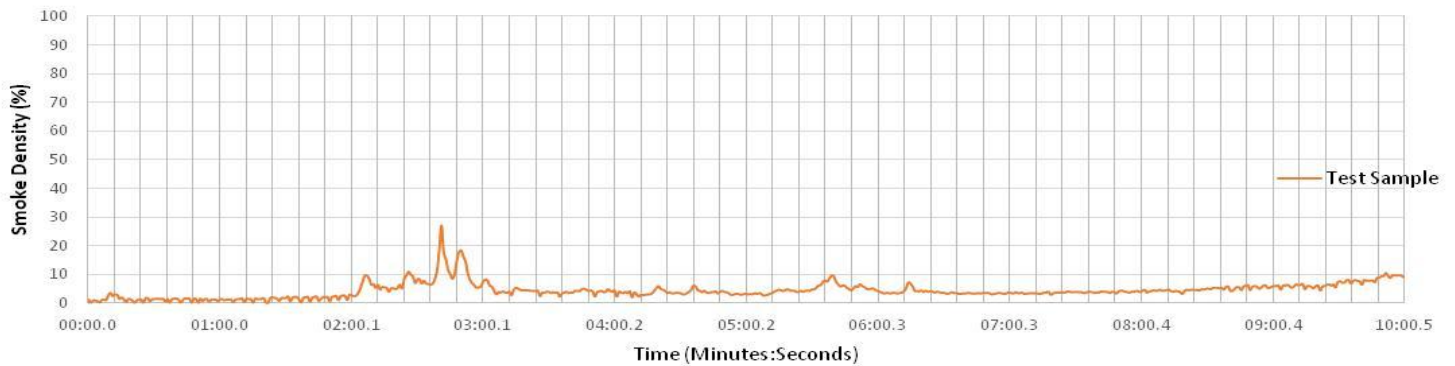


**TEST #2 OF 3 GRAPHS:**

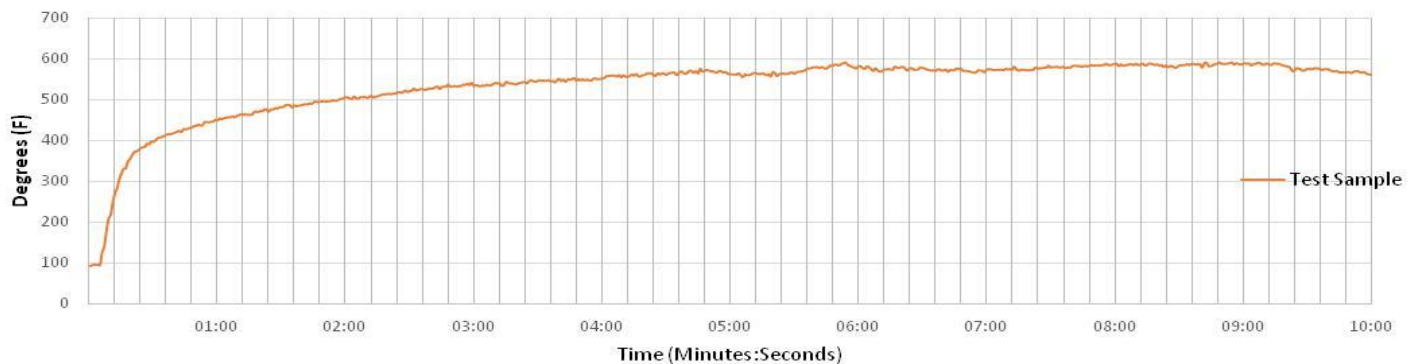
Flame Spread



Smoke Readings

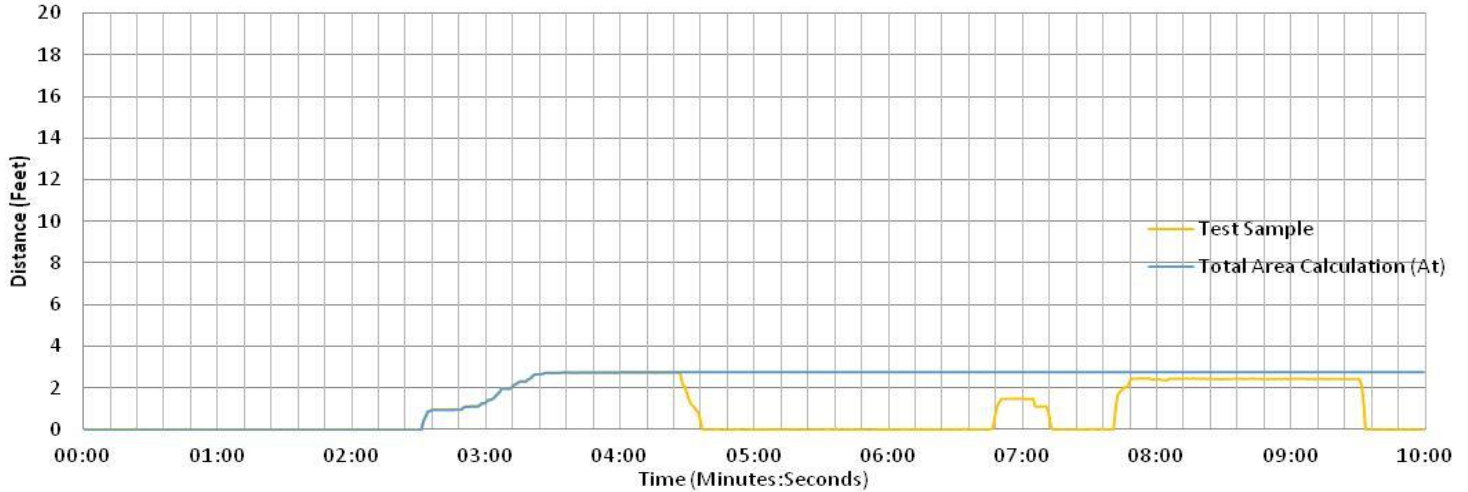


Temperature

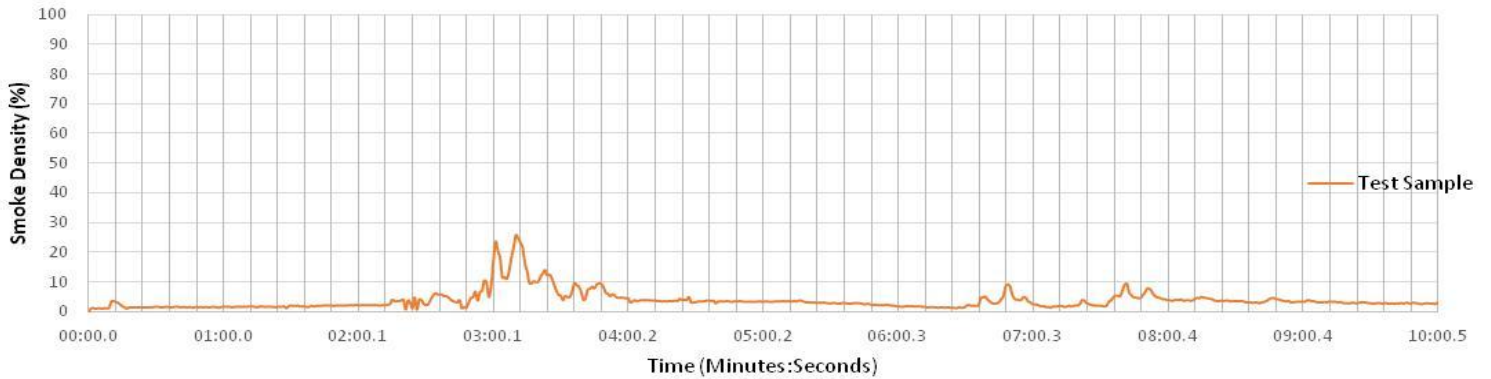


**TEST #3 OF 3 GRAPHS:**

Flame Spread



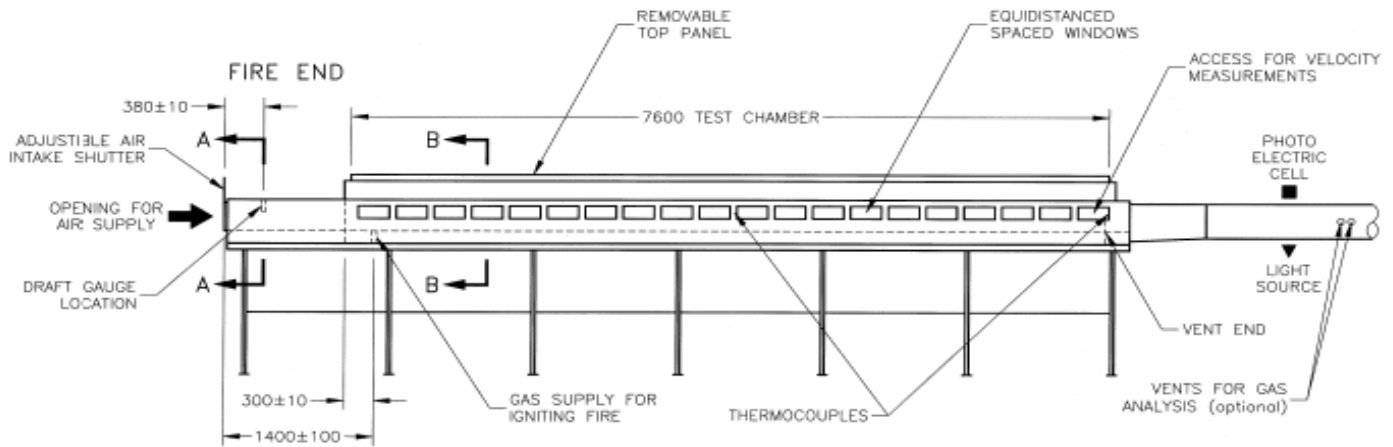
Smoke Readings



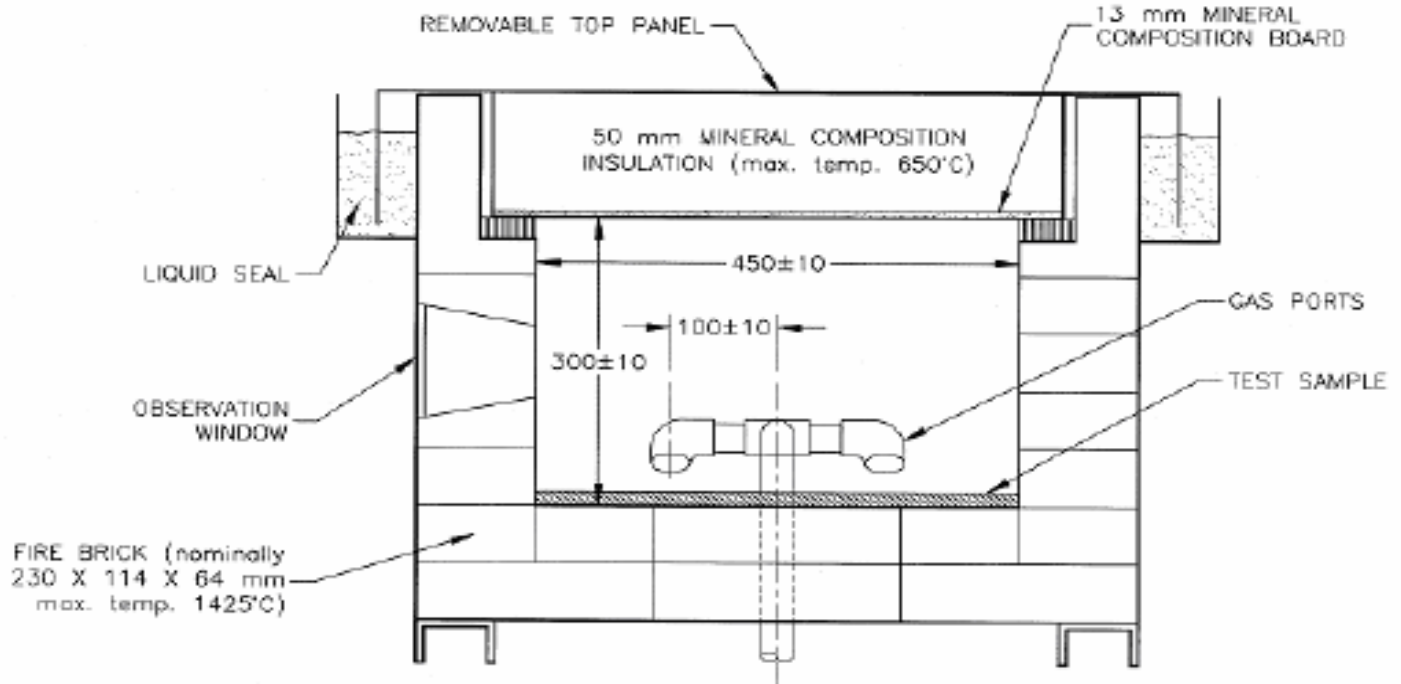
Temperature



**APPENDIX**



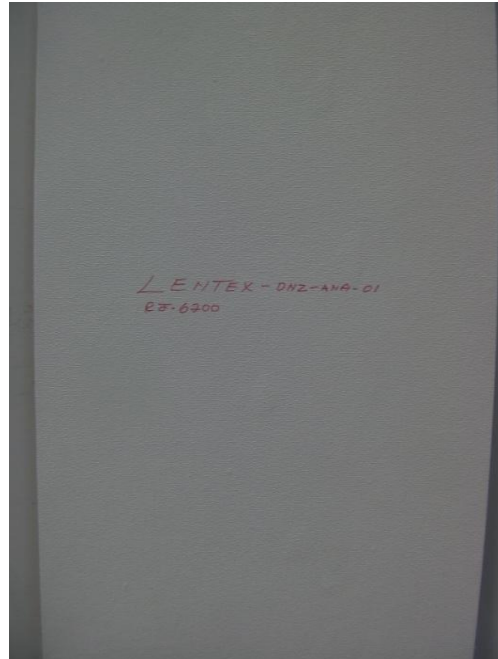
**Diagram 1.** Test Chamber side view showing critical dimensions.



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

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**Photo 1.** Test Specimen Surface

**\*\*\*<<<END OF TEST REPORT>>>\*\*\***