

**CLIENT: NEWMAT USA, LTD.**  
81 Mahan Street  
West Babylon, New York, 11704  
Pascal Gicquel

**Test Report No: RJ3207-1**

**Date: April 21, 2014**

**SAMPLE ID:** The Client submitted and identified the following test material as: ACT 10/Clear Micro-Perforated Membrane.

**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 on April 16, 2014.

**TESTING PERIOD:** April 18, 2014.

**AUTHORIZATION:** Testing authorized by Pascal Gicquel.

**TEST REQUESTED:** Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-13a, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

<b>TEST RESULTS:</b>	<b><u>Flame Spread</u></b>	<b><u>Smoke Developed</u></b>
	10	250

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

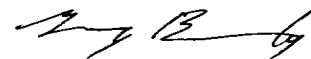
**CONCLUSION:** The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

**Prepared By**



Brian Ortega  
Test Technician

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



Greg Banasky  
Senior Technician



**PREPARATION:** The sample material was cut to 22" wide by 24" feet long to meet test chamber dimensions. The sample was supported during testing by 2" hexagonal mesh poultry netting running the length of the test chamber and 1/4" round metal rods placed at two foot intervals across the width of the test chamber.

**CONDITIONING:** The test specimen was conditioned to a constant weight at a temperature of 73.4 ± 5° F (23 ± 2.8° C) and a relative humidity of 50 ± 5 %.

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

**E 84 TEST DATA SHEET:**

**CLIENT:** NEWMAT USA, LTD. **DATE:** 04/18/2014

**SAMPLE:** ACT 10/Clear Micro-Perforated Membrane.

**IGNITION:** 7 seconds.

**FLAME FRONT:** 1 1/2 feet maximum.

**TIME TO MAXIMUM SPREAD:** 21 seconds.

**TEST DURATION:** 10 minutes.

**CALCULATION:** 14.74 X .515=7.59

**SUMMARY: FLAME SPREAD:** 10      **SMOKE DEVELOPED:** 250 (238.50)

**SUMMARY OF ASTM E84 RESULTS:** Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

**BUILDING CODES CITED:**

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code".
2. International Building Code, Chapter 8, Interior Finishes, Section 803.

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