QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

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CLIENT: **U-Stucco USA, LLC**
13488 Maxella Ave., #520
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Progress Report No: RJ3500-4	Date: October 21, 2014

SAMPLE ID: Light Weight Stucco Insulation

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 Laboratories on September 9, 2014.

AUTHORIZATION: QAI Test Proposal MB-2014-072301 dated July 23, 2014 signed by Onur Topcu of U-Stucco USA, LLC on September 9, 2014.

TESTING PERIOD: September 24 thru October 2, 2014.

TEST REQUESTED: Water vapor transmission test per ASTM E 96/E96M-10, *Standard Test Methods for Water Vapor Transmission of Materials,* Procedure A, Desiccant Method.

TEST PROCEDURE: Three, 11⅜" x 11⅜" specimens were prepared for the test. The specimens were sealed to stainless steel trays containing desiccant. Weight measurements were recorded periodically after the test material had reached a steady state condition with relationship to change in weight vs. time. The water vapor permeance was then calculated as outlined in ASTM E 96.

TEST RESULTS: Test results are provided on page 2 of this report.

Prepared By

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Laboratory Technician

Signed for and on behalf of QAI Laboratories Inc.

Larry Burmer
Project Leader-Physical Testing

WATER VAPOR TRANSMISSION TEST

Test Results

Specimen No.	Average Thickness (in)	Water Vapor Transmission (grains/ft²/hr)	Permeance (perms)
1	1.28	5.35	12.9
2	1.25	5.56	13.4
3	1.30	5.07	12.2
Average	*** * ***	**5.33**	**12.8**

Specimen No.	Average Thickness (cm)	Water Vapor Transmission (g/m²/24hr)	Permeance (ng/Pa·s·m²)
1	3.25	89.7	740
2	3.18	93.4	769
3	3.30	85.1	700
Average	*** * ***	**89.4**	**734**

Conclusion

Based on the above test results, it can be concluded that the U-Stucco Light Weight Stucco Insulation, having an average water vapor transmission rate of 89.4 g/m²/24hr, would meet the requirements for a Grade D Water-Resistive Barrier (Minimum 35 g/m²/24hr) as set forth in Table 1 of ICC ES Acceptance Criteria for Water-Resistive Barriers, AC38, Approved January 2013.

******End of Report******