

## CLIENT: U-Stucco USA, LLC 13488 Maxella Ave., #520 Marina del Ray, CA 90292

Progress Report No: RJ3500-3	Date: October 21, 2014
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- 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 12, 2014.
- **TEST REQUESTED:** Thermal properties test per ASTM C 518-10, *Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.*
- **TEST PROCEDURE:** Three 12" (305mm) square test specimens were prepared for the test. The test specimens were individually placed horizontally in a Netzsch Inc. Q-Lab Thermal Conductivity Test Apparatus at the specimens thermal properties determined in accordance with ASTM C518.
- **TEST RESULTS:** Test results are provided on page 2 of this report.

**Prepared By** 

David Royer Laboratory Technician

Signed for and on behalf of QAI Laboratories Inc.

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Larry Burmer Project Leader-Physical Testing

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## THERMAL PROPERTIES TEST PER ASTM C518

## **Test Results**

Specimen #	Average Thickness	Mean Test Temp.	Delta T	Thermal Conductivity (K)	Thermal Resistance (R)
	(inch)	(°F)	(°F)	(Btu∙in/ft <sup>2</sup> ∙°F∙h)	(°F·ft <sup>2</sup> ·h/Btu)
1	1.00	76.4	50.3	0.61	2.18
2	1.00	76.2	50.4	0.60	2.22
3	1.00	76.1	50.5	0.59	2.27
Average	* * *	76.2	50.4	0.60	2.22

Specimen #	Average Thickness	Mean Test Temp.	Delta T	Thermal Conductivity (K)	Thermal Resistance (R)
	(cm)	(°C)	(°C)	(W/m∙°K)	(m <sup>2</sup> ·°K/W)
1	2.54	24.7	27.9	0.09	0.38
2	2.54	24.6	27.9	0.08	0.40
3	2.54	24.5	28.0	0.08	0.40
Average	* * *	24.6	27.9	0.08	0.39

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

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