203 LITTLE CANADA ROAD
SUITE 280
SAINT PAUL
MINNESOTA 55117
TEL: 651-490-9266
FAX: 651-490-9265

PROFESSIONAL ENGINEERING CONSULTANTS
INCORPORATED

June 25, 2013

Tom Calzavara
Johns Manville Corporation
10100 West Ute Ave.
Littleton, Co 80127

Subj: Evaluation of Johns Manville CI Max Compliance to 2006 International Residential Code and 2006 International Building Code
PEC #9668

Dear Mr. Calzavara:

This letter pertains to our technical review of evaluation and testing work conducted on your product by Intertek (16015 Shady Falls Road, Elmendorf, Texas 78112) and reported to you as letter/report 101217218SAT-001L and reported under project #G101217218 and dated June 14, 2013. That letter report was completed by Mr. Daniel Fischer, Engineer and reviewed Juan Manuel Flores, P.E., Assistant Chief Engineer for Intertek, both signatures dated June 14, 2013.

The evaluation and testing work conducted by Intertek pertained to the requirements of the following standards:

ASTM E84-12 Test for surface Burning Characteristics of Building Materials (UL 723, UBC 8-1, NFPA 255)

And

NFPA 286 (2011 Edition) Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth, and 2006 IBS Section 803.2.1./ 2009 IBC Section 803.1.2 and Section 2603.9/ 2012 IBC Section 803.1.2 and Section 2603.10 Special approval for Thermal Barrier Alternatives.

The report concluded that CI Max is in compliance to the 2006 International Residential Code and the 2006 International Building Code. The report concluded that the tests were in accordance with the correct standard and the test results were compliant with 206 IRC R314.6 and 206 IBC 2306.9 for special approval. The report further determined that a ½" thermal barrier was not necessary under these code sections. Particulars concerning these two code sections were further identified in the Intertek report letter.

In the attachments to the June 14, 2013 letter report, reference was made to Intertek report 100731866SAT-024EEV, including the CI Max Listing report and the CI Max Installation Instructions. In that report, dated October 4, 2012, by Intertek, the product evaluated was: CI Max Insulation for Exposed Interior Use. Further reference is made to a July 6, 2012, Intertek report and a July 24, 2012, Intertek report and to specific reference documents as follows:

2009 International Building Code
2012 International building Code
NFPA 286 Standard Methods of Fire Test for Evaluating of Contribution of Wall and Ceiling Interior Finish to Room Fire Growth (2011 Edition).
SFPE Handbook of Fire Protection Engineering, 2nd Edition.
NFPA Fire Protection Handbook, 16th Edition.

Further identification of Johns Manville installation instructions is included with this letter report and signed by Jeffery Patterson, Project Engineer and C. Anthony Penaloza, Assistant Chief Engineer, Fire Safety and Performance.

Listing information of Johns Manville Corporation CI Max Insulation for Exposed Interior Use (Spec ID 28572) was included with the Intertek report letters and dated May 2, 2013.

Based on our review of all pertinent information contained in the Intertek letters of reporting, it is our opinion that the conclusions reached in those report letters are accurate, complete, and correct, as concerns test data and conclusions. Therefore, it is our opinion that these data may be referred to as having correct conclusions and information, as pertains to the 2006 International Residential Code and the 2006 International Building Code.

Respectfully,
Professional Engineering Consultants, Inc.

Brian R. Dobie, P.E.
President