



10/26/15

HILTI CORPORATION
Feldkircherstrasse 100
P.O. Box 333
FL-9494 Schaan, Principality of 100
Liechtenstein

Dear Mr. Davies-Valdes:

Architectural Testing, Inc., an Intertek company ("Intertek-ATI"), was contracted by the Hilti Corporation to evaluate the Pressure Build, Beam Deflection, Dimensional Stability, Water Vapor Transmission and Fungus Resistance properties of their Extreme Weather Insulating Foam CF-I XTW as provided.

The test specimens were evaluated in accordance with the following methods:

AAMA 812-04(2010), Voluntary Practice for Assessment of Single Component Aerosol Expanding Polyurethane Foams for Sealing Rough Openings of Fenestration Installations

ASTM E 96/E 96M-13, Standard Test Methods for Water Vapor Transmission of Materials

ASTM G 21-13, Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

A summary of the test results is presented in the following table:

Test	Average Results
Maximum Pressure Build	0.7696 psi
Measured Peak Beam Deflection	0.0517 in
14 Day Dimensional Stability (40°C/90% r.h.)	10.501 %
14 Day Dimensional Stability (30°C/30% r.h.)	1.700 %
14 Day Dimensional Stability (-20°C)	0.003 %
Permeability	7.672 ng/(Pa·s·m)
μ-Value	26
Fungi Growth	0 Rating - No Observed Growth

Reference should be made to Intertek-ATI Report No. **E2150.01-106-31** for complete test specimen description and results. This summary alone is not a complete report.



For INTERTEK-ATI:

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cc: E2150.01-106-31