Q: What is ASTM C1289-11A?
A: In order to provide a comprehensive approach to predicting Long-Term Thermal Resistance (LTTR) R-value throughout North America, the updated C1289-11 standard now incorporates two test methods, ASTM C1303-11 and CAN/ULC-S770-09. These tests offer a similar approach to predicting the long-term thermal performance for foam insulation materials that exhibit air and blowing agent diffusion or aging over time. Both test methods employ a technique called “slicing and scaling” to accelerate the aging process and provide an accurate and consistent prediction of product R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years.

Q: Are the R-values increasing or decreasing?
A: Based on results from the new test method, R-values will be decreasing. We recommend that design professionals use a 5.7 R/inch as a design specification for its foam products. Prior to the change, 6.0 R/inch was the design specification for Polyiso.

Q: How will jobs that are scheduled to ship in 2014 be quoted?
A: If a job requires a specific R-value for a post January 1, 2014 job, it will be quoted according to the new R-values.

Q: If I have already received a quote on a job for Q1 2014, what do I need to do?
A: It is recommended that you get a new quote for all jobs.

Q: Does this testing change affect other types of foam insulations?
A: LTTR determines R-values for insulations that utilize blowing agents other than air. Each industry makes independent decisions, and these changes only affect the Polyiso industry.

Q: What standard thicknesses should I now stock?
A: Each distributor will need to make that determination depending on the R-value or thickness requirements for the codes in their area.

Q: How does this affect tapered panels?
A: Individual tapered panel R-values will change based on their average thickness. Quotes on tapered projects will be adjusted internally to reflect what the average R-value of a project will be.

Q: If I have a job that started shipping in 2013, and I need more material in 2014, what do I do?
A: During this transition period, NRCA recommends that you submit requests for information (RFIs) to clarify whether the existing or new LTTR values are applicable.

Q: I am a distributor, what do I do with my existing inventory?
A: Existing inventory purchased prior to January 1, 2014 can be sold with the 2013 R-values displayed on the bundle.
Q: Will this change architects’ preference from specifying two layers of 2-inch Polyiso, to now specifying one layer of 4-inch Polyiso?
A: With proper education we do not feel this will be an issue. NRCA recommends a two-layer system to eliminate thermal bridging by staggering joints of the insulation panels.

Q: Do we know what the R-values of our competitors will be?
A: No, but we do know that because they participate in the PIMA QualityMark™ Program, they will be required to meet the following chart:

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Old 2010 R-value (Per ASTM C1289-08)</th>
<th>New 2014 R-value (Per ASTM C1289-11)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LTTR Value</td>
<td>R/Inch</td>
</tr>
<tr>
<td>1.5”</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>2”</td>
<td>12.1</td>
<td>6</td>
</tr>
<tr>
<td>2.5”</td>
<td>15.3</td>
<td>6.1</td>
</tr>
<tr>
<td>2.6”</td>
<td>15.9</td>
<td>6.1</td>
</tr>
<tr>
<td>3”</td>
<td>18.5</td>
<td>6.2</td>
</tr>
<tr>
<td>4”</td>
<td>25</td>
<td>6.2</td>
</tr>
</tbody>
</table>