

**2014 LTTR Changes
August 21, 2013**

On January 1, 2014, changes to R-values for Polyisocyanurate insulation will go into effect in accordance with newly updated ASTM C1289-11 standard for insulation testing. The new industry-wide standard used in determining long-term thermal performance for Polyiso roofing products brings new testing methods for the determination and calculation of Long-Term Thermal Resistance (LTTR) values.

The LTTR values are based on consensus standards in both the United States and Canada. The values are determined based on a scientific method that predicts the product's R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years. All manufacturers who are members of the Polyisocyanurate Insulation Manufacturers Association (PIMA) have adopted the LTTR method as the exclusive means to measure thermal performance of permeable-faced Polyiso roof insulation. PIMA Polyiso manufacturers voluntarily submit to third-party testing to certify LTTR values for Polyiso insulation products through the industry-leading QualityMark^{cm} Program.

The physical properties of the products will not be altered, only the testing method used to calculate R-values will change. For more information, visit the Versico website to gain access to all pertinent information regarding this impending change. Included are the product-specific charts showing the new LTTR values, as well as a 'frequently asked questions' document.

As a leading supplier of Polyiso insulation, Versico wants to make sure you are prepared for this change. On January 1, 2014, the LTTR values will change according to ASTM C1289-11 as noted in the chart below. As projects are bid for installation in 2014, we ask that you verify the specified LTTR values and ensure that your quotes reflect the appropriate thickness for the new LTTR values.

Thickness	Old 2010 R Value (Per ASTM C1289-08)		New 2014 R Value (Per ASTM C1289-11)	
	LTTR Value	R/Inch	LTTR Value	R/Inch
1.5"	9	6	8.5	5.7
2"	12.1	6	11.4	5.7
2.5"	15.3	6.1	14.4	5.8
2.6"	15.9	6.1	15	5.8
3"	18.5	6.2	17.4	5.8
4"	25	6.2	23.6	5.9

The products impacted by the new R-values include Versico's MP Polyisocyanurate and SecurShield™ product lines. Again, the products' physical properties will not be changing. The only change will be the way the LTTR values are calculated.

If you have any questions or for more information, please contact Versico.