

**2014 LTTR Change Reminder and Update
January 1, 2014**

On January 1, 2014, changes to R-values for Polyisocyanurate insulation went into effect in accordance with the newly updated ASTM C1289-11 standard for insulation testing. The updated standard provides new test methods for the determination and calculation of Long-Term Thermal Resistance (LTTR) values.

The product lines impacted by the R-value changes include Versico's MP Polyisocyanurate and SecurShield™. Again, the products' physical properties will not be changing; only the way the LTTR values are calculated will be adjusted. New product labels indicating 2014 R-values will accompany all Polyiso shipments beginning January 1, 2014. The LTTR values will change according to ASTM C1289-11 as noted in the chart below.

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
3"	18.5	6.2	17.4	5.8
4"	25	6.2	23.6	5.9

In order to help ease the transition, the following should be noted:

- Projects designed for and permitted in 2013 – No action required as 2013 R-value product used
- Projects designed for and permitted in 2014 – No action required as 2014 R-value product used
- Projects spanning the LTTR transition period will require communication between the contractor and the building owner's representative.

On average, the 2014 changes to the test method will result in an extra 0.1" of thickness per board when designing with two layers, or four to six percent more material/thickness, depending upon the desired R-value. The table below will provide assistance when designing with two layers of Polyiso insulation in order to reach R-value requirements under the new LTTR values.

R-value Requirements	Polyiso Thickness: Old LTTR	Polyiso Thickness: New LTTR
R-15	2 layers 1.3"	2 layers 1.4"
R-20	2 layers 1.7"	2 layers 1.8"
R-25	2 layers 2.1"	2 layers 2.2"
R-30	2 layers 2.5"	2 layers 2.6"
R-35	2 layers 2.9"	2 layers 3.1"
R-40	2 layers 3.3"	2 layers 3.5"

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

Sincerely,



Chad Buhrman

Insulation Product Manager