WHAT'S NEW



TECHNICAL BULLETIN

MARKETING BULLETIN

ODUCT BULLETIN

RICING BULLETIN

PRESS RELEASE

TO: GENFLEX ROOFING SYSTEMS CUSTOMERS RE: New LTTR VALUES FOR GENFLEX POLYISO ROOF INSULATIONS

AUGUST 30, 2013

Starting January 1st, 2014:

- GenFlex Roofing Systems will continue to participate in the Polyisocyanurate Insulation Manufacturers Association (PIMA) QualityMark ^{cm} Certification Program
- GenFlex Roofing Systems will offer the same Polyiso Insulation
- Only Polyiso R-values are changing
- They are changing to meet the new ASTM C1289-13e1 testing methods

Again, due to advances in testing methodology which more accurately predict thermal performance over time, LTTR values are changing. This change in R-value will be applied to GenFlex commercial roofing insulation products produced at its seven manufacturing locations.

Thermal Properties					
Thickness LTTR* (R-Value)		Max Flute Span		Total Recycled	Pieces Per
				Content	Bundle
mm	ft²h° F/Btu in	in	mm	%	#
25.40	5.6	2.625	66.675	52	48
31.75	7.0	3.675	93.345	48	38
38.10	8.5	4.375	111.125	44	32
44.45	9.9	4.375	111.125	41	27
50.80	11.4	4.375	111.125	39	24
58.42	13.2	4.375	111.125	36	20
63.50	14.4	4.375	111.125	35	19
71.12	16.2	4.375	111.125	33	17
76.20	17.4	4.375	111.125	32	16
82.55	18.9	4.375	111.125	31	14
88.90	20.5	4.375	111.125	30	13
95.25	22.0	4.375	111.125	29	12
101.60	23.6	4.500	114.300	29	12
*Long Term Thermal Resistance (LTTR) in accordance with ASTM C1289-13e1, effective 1/1/14					
	mm 25.40 31.75 38.10 44.45 50.80 58.42 63.50 71.12 76.20 82.55 88.90 95.25 101.60	mm ft²h° F/Btu in 25.40 5.6 31.75 7.0 38.10 8.5 44.45 9.9 50.80 11.4 58.42 13.2 63.50 14.4 71.12 16.2 76.20 17.4 82.55 18.9 88.90 20.5 95.25 22.0 101.60 23.6	kness LTTR* (R-Value) Max mm ft²h° F/Btu in in 25.40 5.6 2.625 31.75 7.0 3.675 38.10 8.5 4.375 44.45 9.9 4.375 50.80 11.4 4.375 58.42 13.2 4.375 63.50 14.4 4.375 76.20 17.4 4.375 82.55 18.9 4.375 95.25 22.0 4.375 101.60 23.6 4.500 *Long Term Thermal Resistance (LTTR) in 1	knessLTTR* (R-Value)Max Flute Spanmmft2h° F/Btu ininmm25.405.62.62566.67531.757.03.67593.34538.108.54.375111.12544.459.94.375111.12550.8011.44.375111.12558.4213.24.375111.12563.5014.44.375111.12576.2017.44.375111.12582.5518.94.375111.12595.2522.04.375111.125101.6023.64.500114.300*Long Term Thermal Resistance (LTTR) in accordance with	LTTR* (R-Value)Max Flute SpanTotal Recycled Contentmmft²h° F/Btu ininmm%25.405.62.62566.6755231.757.03.67593.3454838.108.54.375111.1254444.459.94.375111.1254150.8011.44.375111.1253958.4213.24.375111.1253663.5014.44.375111.1253571.1216.24.375111.1253376.2017.44.375111.1253188.9020.54.375111.1253095.2522.04.375111.12529101.6023.64.500114.30029

Sheets: 4' x 8' (1.22 m x 2.44 m) and 4' x 4' (1.22 m x 1.22 m)

All GenFlex Roofing Systems reported values will be certified through the Polyisocyanurate Insulation Manufacturers Association (PIMA) QualityMark Certification Program. This is a voluntary program that allows polyiso manufactures to obtain independent, third-party certification for the Long Term Thermal Resistance (LTTR) values of their polyiso roof insulation products. Polyiso is the only roof insulation to be certified by this unique program for its LTTR value. The program was developed by PIMA and is administered by FM Global. GenFlex Roofing Systems will retain all FM and UL approvals.

This change is being made in order to provide a comprehensive approach resulting in increased reliability and consistency in the prediction of long-term thermal performance of North America's most popular rigid roof insulation. The results of this effort will provide increased value to the specifiers and purchasers of this important insulation material.



ASTM C1289-13e1 now incorporates two test methods, ASTM C1303-11 and CAN/ULC-S770-09, which 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 this aging process and provide an accurate and consistent prediction of product R-value after 5 years, which is equivalent to a time-weighted thermal design R-value for 15 years. Based on extensive research over the past five years, including bias and ruggedness testing, most thermal insulation researchers now agree that the results of both ASTM C1303 and CAN/ULC–S770 provide similar and consistent results predictive of actual aged performance.

We recommend that architects and consultants include ASTM C 1289-13e1 in their specifications and that contractors include the thicknesses and LTTR values of the polyiso roof insulation in all their projects.

Sincerely,

Tyler Cooper Insulation Product Manager