

## Product Data Sheet

# GENFLEX COATED GLASS FACER POLYISO



### Description

GenFlex Coated Glass Facer Polyiso flat and tapered roof insulation consists of a closed-cell polyiso foam core laminated to a specially coated, inorganic, fiberglass facer. GenFlex Coated Glass Facer Polyiso roof insulation provides outstanding fire, wind and thermal performance for single-ply and modified bitumen commercial roofing applications.

All GenFlex polyiso insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material. Flat and tapered GenFlex Coated Glass Facer Polyiso incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free). Additionally, GenFlex Coated Glass Facer Polyiso is a formaldehyde free material.

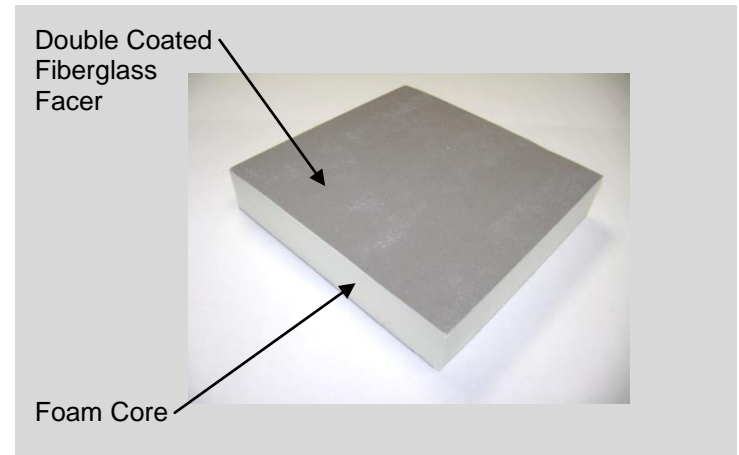
**GenFlex Coated Glass Facer Polyiso is a mold resistant material per ASTM D3273.**

### Product Data

Thermal Properties					
Thickness		LTR* (R-Value)	Max Flute Span		Total Recycled Content
in	mm	ft <sup>2</sup> h° F/Btu in	in	mm	%
1.00	25.40	5.7	2.625	66.675	52
1.25	31.75	7.1	3.675	93.345	48
1.50	38.10	8.6	4.375	111.125	44
1.75	44.45	10.0	4.375	111.125	41
2.00	50.80	11.4	4.375	111.125	39
2.30	58.42	13.2	4.375	111.125	36
2.50	63.50	14.4	4.375	111.125	35
2.80	71.12	16.2	4.375	111.125	33
3.00	76.20	17.4	4.375	111.125	32
3.25	82.55	18.9	4.375	111.125	31
3.50	88.90	20.5	4.375	111.125	30
3.75	95.25	22.0	4.375	111.125	29
4.00	101.60	23.6	4.500	114.300	29

\*Long Term Thermal Resistance (LTR) in accordance with ASTM C 1303-11 and CAN/ULC-S770-09

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



### Method of Application:

1. Insulation shall be neatly fitted to all roof penetrations, projections and nailers. No more insulation shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather.
2. Refer to GenFlex standard details for insulation attachment patterns.
3. GenFlex Coated Glass Facer Polyiso flat and tapered must be installed using GenFlex fasteners and plates or GenFlex approved insulation adhesives.
4. **DO NOT use hot asphalt with GenFlex Coated Glass Facer Polyiso.**

### Storage:

- Keep insulation dry at all times.
- Elevate insulation above the deck or ground.
- Cover insulation with waterproof tarps.

### Precautions:

- For safety information, refer to Safety Data Sheet (SDS).
- Combustible.
- Do not install over wet, damp or uneven substrates
- **DO NOT use hot asphalt with GenFlex Coated Glass Facer Polyiso.**

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### Manufacturing Locations:

- Florence, KY
- Youngwood, PA
- Salt Lake City, UT
- Corsicana, TX
- Bristol, CT
- Deforest, WI
- Jacksonville, FL

### Leed Information:

GenFlex Coated Glass Facer Polyiso can help contribute to overall LEED certification due to its thermal efficiency (R-Value), recycled content, and zero ozone depletion. GenFlex Coated Glass Facer Polyiso can help achieve valuable credits in the following categories:

#### Energy and Atmosphere

- Benefits of commissioning building energy systems include lower energy use and lower operating costs.
- GenFlex Coated Glass Facer Polyiso contains the highest R-Value per inch to help assist in the following credits:
  - EA Pre-requisite 2: Minimum Energy Performance
  - EA Credit 1: Optimize Energy Performance (1-19 points)

#### Material & Resources

- Benefits include the reduction of waste, as well the preservation of landfill space and raw materials.
- GenFlex Coated Glass Facer Polyiso contains recycled content, can be re-used, and is manufactured strategically across the United States.

LEED Reference Guide information can be obtained on line at <http://www.usgbc.org/> "LEED is trademark of the U.S. Green Building Council."

**MR Credit 2: Construction Waste Management (1- 2 points)**

**MR Credit 3: Material Re-Use (1-2 points)**

**MR Credit 4: Recycled Content (1-2 points)**

**MR Credit 5: Regional Material (1-2 points)**

### Specification Compliance:

- ASTM C1289, Type II, Class 2
- UL Classified
- FM Class 1 Approved
- Manufactured in an ISO 9001 Registered Facility
- CAN/ULC-S704, Type 2 pending



### Typical Properties:

PROPERTY	TEST METHOD	TYPICAL PERFORMANCE	
		ENGLISH	METRIC
Compressive Strength, nominal	D 1621	20 psi	138 kPa
Compressive Strength, minimal	D 1621	25 psi	172 kPa
Density	D 1622	2 pcf	32 kg/m <sup>3</sup>
Dimensional Stability	D 2126	<2%	<2%
Moisture Vapor Transmission	E 96	<1.0 Perm	<57.5 ng/(Pa·s·m <sup>2</sup> )
Water Absorption Service Temperature	C 209	<1% by Volume -100 to 250 °F	<1% by Volume -73 to 121 °C

### GenFlex Coated Glass Facer Polyiso Flute Span Over Metal Decks:

Thickness:	1.0"	1.25"	1.5"-3.8"	4.0"
Span:	2.625"	3.675"	4.375"	4.5"

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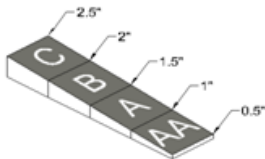


### Tapered GenFlex Coated Glass Facer Polyiso (Available Sizes):

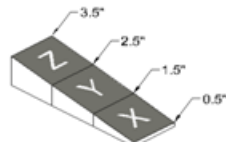
PANEL CODE	THICKNESS		SLOPE		PCS PER BUNDLE (4'X4')
	INCHES	MILLIMETERS			
	0.5" - 1.0"	12.7 - 25.4	1/8"/ft	1%	64
AA	1.0" - 1.5"	25.4 - 38.1	1/8"/ft	1%	38
B	1.5" - 2.0"	38.1 - 50.8	1/8"/ft	1%	26
C	2.0" - 2.5"	50.8 - 63.5	1/8"/ft	1%	20
G	1.0" - 2.0"	25.4 - 50.8	1/4"/ft	2%	32
H	2.0" - 3.0"	50.8 - 76.2	1/4"/ft	2%	18
I	3.0" - 4.0"	76.2 - 100.6	1/4"/ft	2%	12
X	0.5" - 1.5"	12.7 - 38.1	1/4"/ft	2%	48
Y	1.5" - 2.5"	38.1 - 63.5	1/4"/ft	2%	24
Z	2.5" - 3.5"	63.5 - 88.9	1/4"/ft	2%	16
Q	0.5" - 2.5"	12.7 - 63.5	1/2"/ft	4%	32

Please contact your GenFlex Building Systems Advisor at 1-800-443-4272 for further information.

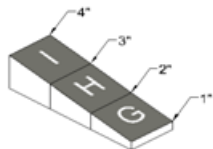
*This sheet is meant to highlight GenFlex products and specifications and is subject to change without notice. GenFlex takes responsibility for furnishing quality materials which meet published GenFlex product specifications. Neither GenFlex nor its representatives practice architecture. GenFlex offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. GenFlex accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No GenFlex representative is authorized to vary this disclaimer.*



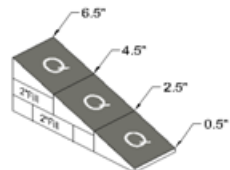
1/8"/ft. Tapered Section



1/4"/ft. Tapered Section



1/4"/ft. Tapered Section



1/2"/ft. Tapered Section

Contact the GenFlex Estimating Services Department for a project quotation or for layout guidance. For site assistance or contractor support, contact the GenFlex Tapered Project Management Team by calling: 1-800-443-4272.