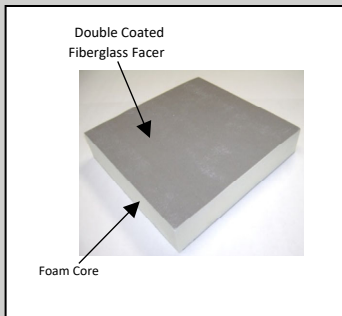


# Product Data Sheet



## Coated Glass Facer Polyiso

### Item Description

Flat and Tapered

## 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.

## 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.

## Manufacturing Location:

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

## 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 1, Class II



## 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.

## Typical Properties

Property	ASTM Test Method	Typical Value
Compressive Strength	D1621	*20 psi (138 kPa)
Density	D1622	2 pcf (32 kg/m <sup>3</sup> )
Dimensional Stability	D2126	<2%
Moisture Vapor Transmission	E96	<1 perm (<57.5 ng/Pa•s•m <sup>2</sup> )
Water Absorption by Volume	C201	<1%
Service Temperature	N/A	-100 – 250 °F (-73 – 121 °C)

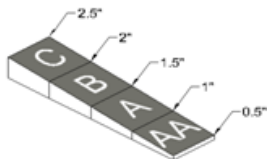
\*25 psi (172 kPa) available upon request for thicknesses up to 2.9" (73.7 mm)

## Thermal Properties

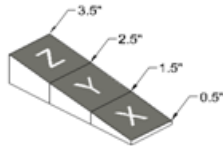
Thickness	R-Value	Max Flute Span	Total Recycled Content	Post Industrial (approx.)	Post-Consumer (approx.)
1" (25.4 mm)	5.7	2.6" (66.7 mm)	52%	15%	37%
1.25" (31.8 mm)	7.1	3.7" (93.3 mm)	48%	15%	33%
1.5" (38.1 mm)	8.6	4.4" (111.1 mm)	44%	15%	29%
1.75" (44.5 mm)	10.0	4.4" (111.1 mm)	41%	15%	26%
2" (50.8 mm)	11.4	4.4" (111.1 mm)	39%	15%	24%
2.3" (58.4 mm)	13.2	4.4" (111.1 mm)	36%	15%	21%
2.5" (63.5 mm)	14.4	4.4" (111.1 mm)	35%	15%	20%
2.8" (71.1 mm)	16.2	4.4" (111.1 mm)	33%	15%	18%
3" (76.2 mm)	17.4	4.4" (111.1 mm)	32%	15%	17%
3.25" (82.6 mm)	18.9	4.4" (111.1 mm)	31%	15%	16%
3.5" (88.9 mm)	20.5	4.4" (111.1 mm)	30%	15%	15%
3.75" (95.3 mm)	22.2	4.4" (111.1 mm)	29%	15%	14%
4" (101.6 mm)	23.6	4.4" (111.1 mm)	29%	15%	14%

## Tapered Options

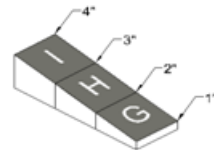
Panel Code	Thickness	Slope	Pieces per Bundle
A	0.5" – 1.0" (12.7 – 25.4 mm)	1/8" per foot (1%)	64
AA	1.0" – 1.5" (25.4 – 38.1 mm)	1/8" per foot (1%)	38
B	1.5" – 2.0" (38.1 – 50.8 mm)	1/8" per foot (1%)	26
C	2.0" – 2.5" (50.8 – 63.5 mm)	1/8" per foot (1%)	20
G	1.0" – 2.0" (25.4 – 38.1 mm)	1/4" per foot (2%)	32
H	2.0" – 3.0" (50.8 – 76.2 mm)	1/4" per foot (2%)	18
I	3.0" – 4.0" (76.2 – 100.6 mm)	1/4" per foot (2%)	12
X	0.5" – 1.5" (12.7 – 38.1 mm)	1/4" per foot (2%)	48
Y	1.5" – 2.5" (38.1 – 63.5 mm)	1/4" per foot (2%)	24
Z	2.5" – 3.5" (63.5 – 88.9 mm)	1/4" per foot (2%)	16
Q	0.5" – 2.5" (12.7 – 63.5 mm)	1/2" per foot (4%)	32



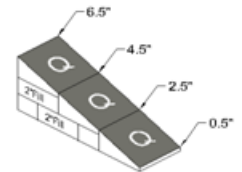
1/8"/ft. Tapered Section



1/4"/ft. Tapered Section



1/4"/ft. Tapered Section



1/2"/ft. Tapered Section

Please contact Amrize Technical Services at 800-428-4511 for further information.

This sheet is meant to highlight GenFlex products and specifications and is subject to change without notice. Amrize takes responsibility for furnishing quality materials that meet published GenFlex product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Amrize nor its representatives practice architecture. Amrize offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Amrize 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 Amrize representative is authorized to vary this disclaimer.