

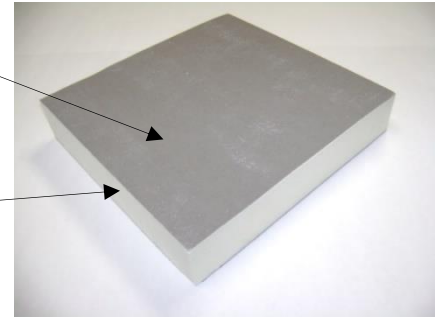
GENFLEX CG ISO

Item Description

Flat and tapered

Double Coated
Fiberglass Facer

Foam Core



Meets or exceeds performance requirements and recommendations of ASTM C 1289, Type II, Class 2

Product Information

Description

GenFlex CG ISO flat and tapered roof insulation consists of a closed-cell polyiso foam core laminated to a specially coated, inorganic, fiberglass facer. GenFlex CG ISO 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 CG ISO incorporate a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free). Additionally, GenFlex CG ISO is a formaldehyde free material.

GenFlex CG ISO is a mold resistant material per ASTM D3273.

Typical Properties

Property	ASTM Test Method	Typical Values
Thermal Resistance	C518	40 °F (4.4 °C) 6.2 R/in
		75 °F (23.9 °C) 5.7 R/in
		110 °F (43.3 °C) 5.0 R/in
Compressive strength	D1621	*20 psi (138 kPa)
Density	D1622	2 pcf (32 kg/m ³)
Dimensional Stability	D2126	<2%
Moisture Vapor Transmission	E96	<1 perm (<57.5 ng/Pa•s•m ²)
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)

Installation

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 CG ISO flat and tapered must be installed using GenFlex fasteners and plates or GenFlex approved insulation adhesives.
4. **DO NOT** use hot asphalt with GenFlex CG ISO.

Product Data

Thermal Properties							
Thickness		R-Value	Max Flute Span		Total Recycled Content (approx.)	Post Industrial (approx.)	Post-Consumer (approx.)
in	mm		in	mm			
1.0	25.4	5.7	2.6	66.7	52%	15%	37%
1.25	31.8	7.1	3.7	93.3	48%	15%	33%
1.5	38.1	8.6	4.4	111.1	44%	15%	29%
1.75	44.5	10.0	4.4	111.1	41%	15%	26%
2.0	50.8	11.4	4.4	111.1	39%	15%	24%
2.3	58.4	13.2	4.4	111.1	36%	15%	21%
2.5	63.5	14.4	4.4	111.1	35%	15%	20%
2.8	71.1	16.2	4.4	111.1	33%	15%	18%
3.0	76.2	17.4	4.4	111.1	32%	15%	17%
3.25	82.6	18.9	4.4	111.1	31%	15%	16%
3.5	88.9	20.5	4.4	111.1	30%	15%	15%
3.75	95.3	22.2	4.4	111.1	29%	15%	14%
4.0	101.6	23.6	4.5	114.3	29%	15%	14%

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



Storage

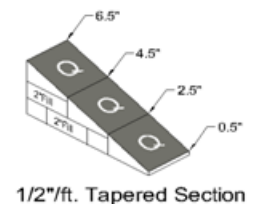
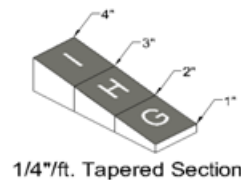
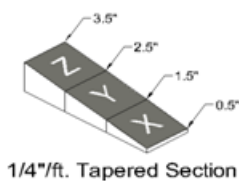
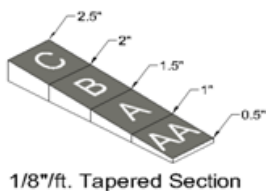
- Keep insulation dry at all times.
- Elevate insulation above the deck or ground.
- Cover insulation with waterproof tarps.



Precautionary Data

- 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.

Tapered Options			
Panel Code	Thickness	Slope	Pcs per Bundle
A	0.5" – 1.0" (13 – 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" (13 – 63.5 mm)	1/2" per foot (4%)	32



Please contact Technical Services at 1-800-443-4272 option 1, 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.



November 2019

GenFlex is pleased to announce a new family of polyiso insulation. This new line of insulation maintains current thermal performance characteristics at 110 °F and 75 °F but increased lower temperature performance to 6.2R/in at 40 °F to meet both ASTM required and recommended standards. All mechanical performance characteristics, codes, look and feel, packaging, and installation requirements remain the same as the former product offering.

As specs are being updated and plants and distribution facilities deplete inventory, there is the possibility of having mixed bundles on a project. The below substitutions are permissible and meet the same performance and approval requirements for the intended systems.

GENFLEX POLYISO → GENFLEX GL ISO

COATED GLASS FACER → GENFLEX CG ISO

GENFLEX HD POLYISO → GENFLEX HD ISO

GENFLEX COMPOSITE POLYISO → GENFLEX HD COMP ISO

GENFLEX NAILBASE ISO → GENFLEX NB ISO

This notice serves as confirmation of the acceptability of the new GENFLEX line of polyiso as replacement for those listed above.

Thank you for supporting GenFlex