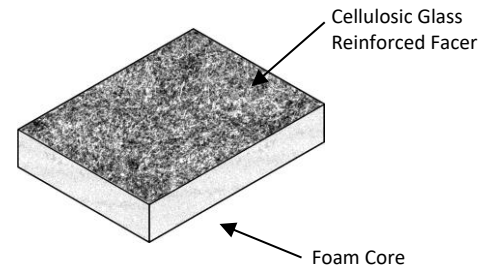


GENFLEX GL ISO (Flat and Tapered Polyiso Boards)



(Flat ISO only shown)

Meets or exceeds performance requirements and recommendations of ASTM C 1289, Type II, Class 1

Product Information

Description

GenFlex GL ISO flat and tapered roof insulation consists of a closed-cell polyiso foam core laminated to a black glass reinforced mat facer on both major surfaces. Flat and tapered GenFlex insulation provides outstanding thermal performance on commercial roofing applications, while providing positive rooftop drainage to help eliminate ponding water when tapered GenFlex insulation is used.

All GenFlex polyisocyanurate foam insulations use EPA accepted blowing agents. GenFlex GL ISO incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone layer (ODP-free).

Typical Properties		
Property	ASTM Test Method	Typical Values
Thermal Resistance	C 518	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
Dimensional Stability	D 2126	<2%
Compressive Strength*	D 1621	20 psi (138 kPa)
Water Absorption	C 209	< 1% by volume
Moisture Vapor Transmission	E 96	< 1 perm (57.5 ng/(Pa*s*m ²))
Product Density	D 1622	2.0 pcf (32 kg/m ³)
Service Temperature	n/a	-100 to 250 °F (-73 to 122 °C)
Smoke Development	E 84	Index 160 – 180
Flame Spread	E 84	Index 50

* 25 psi (172 kPa) available by special order

Installation

1. Insulation shall be neatly fitted to all roof penetrations, projections and nailers.
2. 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.
3. GenFlex GL ISO board may be installed using:
 - GenFast™ fasteners and plates
NOTE: For ballasted systems, the top layer of GenFlex insulation may not be mechanically attached.
 - Hot asphalt (requires a cover board)
 - Quick Dual™ Insulation Adhesive

Product Data

Property	Typical Values	
Available Sizes	Flat ISO	4' x 4' (1.2 m x 1.2 m) 4' x 8' (1.2 m x 2.4 m)
	Tapered ISO	4' x 4' (1.2 m x 1.2 m)
Thickness	0.5" to 4.5" (12.7 mm to 114.3 mm)	
Available Slopes	1/16" – 1/2" per 12" (0.5% - 4%)	

*LEED® Information

See Recycled Content in table below.

Manufacturing Locations:

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

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

Specification Compliance:

ASTM C1289, Type II, Class 1
 UL Classified-UL1256
 FM Class 1 Approved
 Manufactured in an ISO 9001 Registered Facility



Storage and Precautionary Data

- Keep insulation dry at all times
- Elevate insulation above the deck or ground
- Cover insulation with waterproof tarps
- Polyiso foam will burn if exposed to a flame of sufficient heat and intensity. Keep away from heat, sparks, and open flames.
- Protect against dust that may be generated during installation.
- Refer to Safety Data Sheet (SDS) for additional information.
- Take care when transporting and handling GenFlex insulation to avoid physical damage.

Thermal Values

Thermal Properties							
Thickness		R-Value*	Max Flute Span		Approx. Recycled Content %		
in	mm		in	mm	Post-Consumer	Post Industrial	Total
1.00	25.40	5.7	2.625	66.675	37	15	52
1.20	30.48	6.8	3.675	93.345	34	15	49
1.50	38.10	8.6	4.375	111.125	29	15	44
1.80	45.72	10.3	4.375	111.125	25	15	40
2.00	50.80	11.4	4.375	111.125	24	15	39
2.30	58.42	13.2	4.375	111.125	21	15	36
2.50	63.50	14.4	4.375	111.125	20	15	35
2.80	71.12	16.2	4.375	111.125	18	15	33
3.00	76.20	17.4	4.375	111.125	17	15	32
3.20	81.28	18.6	4.375	111.125	16	15	31
3.50	88.90	20.5	4.375	111.125	15	15	30
3.80	96.25	22.3	4.375	111.125	14	15	29
4.00	101.60	23.6	4.500	114.300	14	15	29
4.20	106.58	24.9	4.50	114.3	13	15	28
4.50	114.3	26.8	4.50	114.30	13	15	28

*R-values provide a 15-year time-weighted average in accordance with CAN/ULC-S770.

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