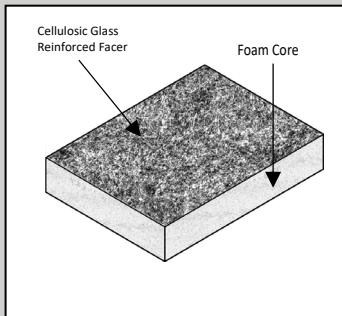


# Product Data Sheet



## GenFlex GL ISO

### Item Description

#### Flat and Tapered Boards

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

## 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).

## Method of Application

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

## 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.

## LEED® Information

See Recycled Content in table.

Manufacturing Location: 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



Typical Properties		
Property	ASTM Test Method	Typical Value
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
Dimensional Stability	D2126	< 2%
Compressive Strength*	D1621	20 psi (138 kPa)
Water Absorption	C209	< 1% by volume
Moisture Vapor Transmission	E96	< 1 perm (57.5 ng/(Pa•s•m²))
Product Density	D1622	2.0 pcf (32 kg/m³)
Service Temperature	n/a	-100 to 250 °F (-73 to 122 °C)
Smoke Development	E84	Index 160 – 180
Flame Spread	E84	Index 50

\* 25 psi (172 kPa) available by special order

Product Data		
Property	Typical Value	
Available Sizes	<u>Flat ISO</u> 4' x 4' (1.2 m x 1.2 m) 4' x 8' (1.2 m x 2.4 m)	<u>Tapered ISO</u> 4' x 4' (1.2 m x 1.2 m)
Thickness	0.5" to 4.5" (13 mm to 114 mm)	
Available Slopes	1/16" – 1/2" per 12" (0.5% - 4%)	

## Thermal Value Property

Thickness	R-Value	Max Flute Span	Approx. Recycled Content %		
			Post-Consumer	Post Industrial	Total
1" (25.40 mm)	5.7	2.63" (66.68 mm)	37	15	52
1.2" (30.48 mm)	6.8	3.68" (93.35 mm)	34	15	49
1.5" (38.10 mm)	8.6	4.38" (111.13 mm)	29	15	44
1.8" (45.72 mm)	10.3	3.68" (93.35 mm)	25	15	40
2" (50.80 mm)	11.4	3.68" (93.35 mm)	24	15	39
2.3" (58.42 mm)	13.2	3.68" (93.35 mm)	21	15	36
2.5" (63.50 mm)	14.4	3.68" (93.35 mm)	20	15	35
2.8" (71.12 mm)	16.2	3.68" (93.35 mm)	18	15	33
3" (76.20 mm)	17.4	3.68" (93.35 mm)	17	15	32
3.2" (81.28 mm)	18.6	3.68" (93.35 mm)	16	15	31
3.5" (88.90 mm)	20.5	3.68" (93.35 mm)	15	15	30
3.8" (96.25 mm)	22.3	3.68" (93.35 mm)	14	15	29
4" (101.60 mm)	23.6	3.68" (93.35 mm)	14	15	29
4.2" (106.58 mm)	24.9	3.68" (93.35 mm)	13	15	28
4.5" (114.30 mm)	26.8	3.68" (93.35 mm)	13	15	28

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

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

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