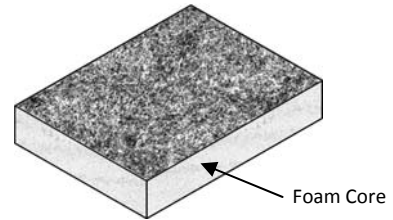


GENFLEX ISO (Flat and Taper)



(Flat ISO only shown)

Product Information

Description

GenFlex ISO products are rigid roof insulation boards composed of a closed cell polyisocyanurate foam core integrally laminated to heavy black (non-asphaltic), fiber-reinforced felt facers. They are available in various thicknesses and tapered slopes.

Advantages

- Outstanding thermal performance TuffWrap™ Packaging provides a durable protective covering that will fully protect the top and four sides of the bundle.
- GenFlex ISO insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material.
- Incorporates HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free).
- Manufactured in an ISO 9002 registered facilities.
- Meets or exceeds ASTM C 1289, Type II, Class 2 FM approved and UL classified for steel deck roof assemblies.
- Complies with Federal Specification HHH-I-1972/2, and ASTM C-1289, Type II Class 1.
- Complies with California Quality Standards Registry Number CA-T243 (IN).
- Complies with specifications for CAN/ULCS704.
- Complies with IBC 2603.

Typical Properties		
Property	ASTM Test Method	Typical Values
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*m²))
Product Density	D 1622	2.0 pcf (32 kg/m³)
Service Temperature	n/a	-100 ° to 250 °F (-73 ° to 122 °C)

Installation

Install GenFlex ISO and Tapered ISO in accordance with current GenFlex specification, details, and workmanship using GenFast™ fasteners or approved insulation adhesives.

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	1" to 4" (25.40 mm to 101.60 mm)	
Available Slopes	1/8", 1/4", or 1/2" per 12" (3.18 mm, 6.35 mm, or 12.70 mm per 304.80 mm)	

*LEED® Information

Post Industrial Recycled Content: Average 19%

Post Consumer Recycled Content: Average 15%

Manufacturing Locations:

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



Storage and Precautionary Data

- GenFlex insulation products **must** be properly stored and protected from ignition sources, moisture and damage. If stored out of doors for an extended period of time, place on skids in a dry area and cover with a breathable tarp.
- Assure that structural decking will support the loads incurred by the material stored on roof top. The deck load limitations should be specified by the project designer.
- To avoid physical damage, take care when moving, transporting, or handling.
- GenFlex ISO is designed to withstand normal foot traffic on the roof. However, protection from damage by heavy construction traffic or abuse is important. Considerations should be made to protect the roof surface with plywood in heavy or repeated traffic areas.
- Refer to Safety Data Sheets (SDS) for further information.

Thermal Values

Thermal Properties					
Thickness		LTTR* (R-Value)	Max Flute Span		Total Recycled Content
in	mm	ft ² h °F/Btu in	in	mm	%
1.00	25.40	5.6	2.625	66.675	52
1.20	30.48	6.7	3.675	93.345	48
1.50	38.10	8.5	4.375	111.125	44
1.80	45.72	10.2	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
3.20	81.28	18.6	4.375	111.125	31
3.50	88.90	20.5	4.375	111.125	30
3.80	96.25	22.3	4.375	111.125	29
4.00	101.60	23.6	4.500	114.300	29
*Long Term Thermal Resistance (LTTR) 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)					

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

Please contact Quality Building Services Technical Department 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.