

GenFlex Flat and Tapered Polyiso Insulation

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 a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free).
- Manufactured in an ISO 9002 Registered Facility
- Meets or exceeds ASTM C 1289, Type II, Class 2
- FM approved and UL classified for steel deck roof assemblies
- Complies with Federal Specifications HH-I-1972/Gen, HH-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/ULC-S704
- Complies with IBC 2603

PHYSICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	TYPICAL VALUES
Dimensional Stability	D 2126	< 2%
Compressive Strength*	D 1621	20 psi (138 kPa)
Water Absorption	C209	< 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)

* NOTE: GenFlex ISO is also available in high compression strength (HC), minimum 25 psi.

INSTALLATION

Install GenFlex ISO and Tapered ISO in accordance with current GenFlex specifications, details, and workmanship. Install with GenFast Fasteners and plates, hot asphalt or GenFlex approved insulation adhesives.

PRODUCT DATA

- Available Sizes:** Flat ISO 4' x 4' (1.2 m x 1.2 m)
4' x 8' (1.2 m x 2.4m)
Tapered ISO 4' x 4' (1.2 m x 1.2 m)
4' x 8' (1.2 m x 2.4m)
- 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)

STORAGE AND PRECAUTIONARY DATE

GenFlex insulation products **must** be properly stored and protected from ignitions 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 Material Safety Data Sheet for additional information.

GENFLEX ISO THERMAL VALUES

NOMINAL THICKNESS		LTTR*	MAX FLUTE SPAN
INCHES	mm		
1.00	25.40	6.0	2.625
1.25	31.75	7.5	3.675
1.50	38.10	9.0	4.375
1.75	44.45	10.5	4.375
2.00	50.80	12.1	4.375
2.30	58.42	14.0	4.375
2.50	63.50	15.3	4.375
2.80	71.12	17.2	4.375
3.00	76.20	18.5	4.375
3.25	82.55	20.1	4.375
3.50	88.90	21.7	4.375
3.75	95.25	23.4	4.375
4.00	101.6	25.0	4.500

*Long Term Thermal Resistance (LTTR) values in accordance with CAN/ULC S770.

LEED INFORMATION

- Post Industrial Waste Average 19%
- Post Consumer Waste Average 15%
- Manufacturing Locations Aurora, IL, Bristol, CT, Corsicana, TX, Florence, KY, Deforest, WI, Jacksonville, FL, Salt Lake, UT, Youngwood, PA

