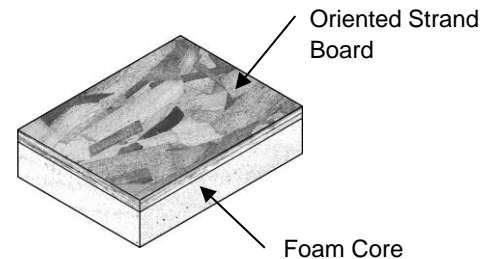


GENFLEX NB ISO

Item Description

Available Sizes: 4' x 4' (1.2 x 1.2 m)
4' x 8' (1.2 x 2.4 m)

Thickness Ranging: 1.5" to 4.0" (38.1 to 101.6 mm)



Meets or exceeds performance requirements and recommendations of ASTM C 1289, Type V

Product Information

Description

GenFlex NB ISO roof insulation consists of a closed-cell polyisocyanurate foam core laminated to a black glass reinforced mat facer on one side and 7/16" (11.1 mm) oriented strand board on the other side. It provides outstanding thermal performance. GenFlex NB ISO is suitable for use with other types of commercial roofing systems.

All GenFlex polyiso insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material. GenFlex NB ISO incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free).

Installation

Follow APA recommendations for use of OSB products.

- 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.
- GenFlex NB ISO must be installed using GenFlex fasteners and plates.
- GenFlex NB ISO is not suitable as an immediate substrate for ballasted systems.

Storage

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

Precautionary Data

- 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.
- Insulation products are non-structural, non-load-bearing materials that should be protected from roof traffic with proper walkway materials.
- When used with hot bitumen, the bitumen temperature should not exceed 450 °F (232 °C).
- Use in accordance with GenFlex ISO insulation Specifications and NRCA recommended procedures.

LEED® Information

ISO Post-Consumer Recycled Content: Average 19%
 ISO Post Industrial Recycled Content: Average 15%
 OSB Post-Consumer Recycled Content: 0%
 OSB Post Industrial Recycled Content: 0%
 Manufacturing Locations: Youngwood, PA; Corsicana, TX
 *NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

Specification Compliance

- ASTM C1289, Type V
- Oriented Strand Board (OSB) APA rated exposure 1
- OSB Post-Consumer Recycled Content: 0%
- Manufactured in an ISO 9001 Registered Facility

Typical Properties		
Property	ASTM Test	Typical Performance
Compressive Strength	D 1621	*20 psi (138 kPa)
Density	D 1622	2 pcf (32kg/m ³)
Dimensional Stability	D 2126	<2%
Water Vapor Transmission	E 96	< 1.0 Perm (< 57.5 ng/(Pa*s*m ²))
Water Absorption	C 209	< 1% by Volume
Service Temperature	----	-100 to 250 °F (-73 to 121 °C)

** 25 psi (172 kPa) available upon request.

Product Data		
Thickness	R-Value	Weight
1.5" (38.1 mm)	6.3	1.6 lb/ft ² (7.68 kg/m ²)
2" (50.8 mm)	9.2	1.69 lb/ft ² (8.11 kg/m ²)
2.5" (63.5 mm)	12.0	1.77 lb/ft ² (8.5 kg/m ²)
3" (76.2 mm)	15.0	1.85 lb/ft ² (8.88 kg/m ²)
3.5" (88.9 mm)	18.0	1.93 lb/ft ² (9.26 kg/m ²)
4" (101.6 mm)	21.1	2.02 lb/ft ² (9.7 kg/m ²)

* Other thicknesses available upon request.

Please contact Technical Services at 1-800-443-7272, 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