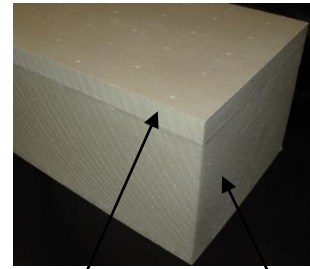


GENFLEX HD COMPOSITE ISO

Item Description

High Density Composite Board



HD COMPOSITE BOARD POLYISO

Product Information

Description

GenFlex HD Composite ISO consists of a closed-cell polyiso foam core laminated to ½" (13 mm) high density HD Composite board. It resists hail damage and foot traffic while providing outstanding thermal performance. GenFlex HD Composite ISO board is suitable for use with most commercial roofing systems.

All GenFlex polyiso insulations use EPA accepted blowing agents and qualify under the Federal Procurement Regulation for Recycled Material.

Typical Properties

Property	Standard	Typical Values
Compressive Strength	ASTM D1621	20 psi (138 kPa)
Density	ASTM D1622	2 pcf (32 kg/m ³)
Dimensional Stability	ASTM D2126	<2%
Moisture Vapor Transmission	ASTM E96	<1.0 perm (<57.5 ng/(Pa•s•m ²))
Water Absorption by Volume	ASTM C209	<1%
In Service Temperature	---	-100 to 250 °F (-73 to 121 °C)

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 on inclement weather.
3. GenFlex HD Composite ISO may be installed using: GenFlex Fasteners and Plates or GenFlex Approved Insulation Adhesives:
 - a. GenFlex ISO Bond Insulation Adhesive
 - b. Quick Dual™
 - c. GenFlex One Step Insulation Adhesive

Product Data

Thickness	LTTR* (R-Value)	Max Flute Span	Total Recycled Content %	% Post Industrial	% Post Consumer
1.5" (38.1 mm)	8.2	4.375" (111.1 mm)	44	15	29
2" (50.8 mm)	11.1	4.375" (111.1 mm)	39	15	24
2.5" (63.5 mm)	13.9	4.375" (111.1 mm)	35	15	18
3" (76.2 mm)	16.9	4.375" (111.1 mm)	32	15	17
3.5" (88.9 mm)	19.9	4.375" (111.1 mm)	30	15	15
4" (101.6 mm)	20.5	4.5" (114.3 mm)	29	15	14

***LEED® Information**

ASTM C1289, Type IV

UL Classified

FM Global Class 1 Approved

FM Global approved for Class 1 insulated steel deck construction.

Foamed Plastic classified by UL as a roof deck construction material with resistance to internal fire exposure for use in construction numbers 120 and 123 (tested to UL 1256).

Available Sizes: 4' x 4' (1.22 m x 1.22 m)

4' x 8' (1.22 m x 2.44 m)

Manufacturing Location: Youngwood, PA

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

Storage

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

Precautionary Data

- GenFlex HD Composite ISO is not suitable as an immediate substrate for a ballasted roof system.
- 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 during installation.
- Refer to Safety Data Sheet (SDS) for additional information.
- Use in accordance with GenFlex Specifications.

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.



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