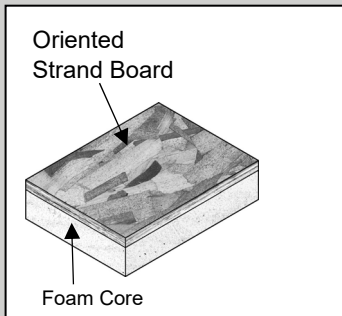


# Product Data Sheet



## Nailbase Composite Board

### Item Description

**Available Sizes:** 4' x 4' (1.2 m x 1.2 m)  
4' x 4' (1.2 m x 1.2 m)

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

## Description

GenFlex Nailbase Composite Board roof insulation consists of a closed-cell polyisocyanurate foam core laminated to a 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 Nailbase Composite Board 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 Nailbase insulation incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-free).

## Method of Application

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 Nailbase Composite Board must be installed using GenFlex fasteners and plates.
- GenFlex Nailbase Composite Board 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.

## Precautions

- 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.
- 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.
- Refer to Safety Data Sheets (SDS) for additional safety information.

## 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

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
- CAN/ULC-S704

Typical Properties		
Property	ASTM Test	Typical Performance
Compressive Strength	D 1621	*20 psi (138 kPa)
Density	D 1622	2 pcf (32 kg/m <sup>3</sup> )
Dimensional Stability	D 2126	<2%
Water Vapor Transmission	E 96	Table - Copy
Water Absorption	C 209	<1.0 Perm (<57.5 ng/(Pa•s•m <sup>2</sup> ))
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 <sup>2</sup> (7.68 kg/m <sup>2</sup> )
2" (50.8 mm)	9.2	1.69 lb/ft <sup>2</sup> 8.11 kg/m <sup>2</sup> )
2.5" (63.5 mm)	12.0	1.77 lb/ft <sup>2</sup> (8.5kg/m <sup>2</sup> )
3" (76.2 mm)	15.0	1.85 lb/ft <sup>2</sup> (7.68 kg/m <sup>2</sup> )
3.5" (88.9 mm)	18.0	1.93 lb/ft <sup>2</sup> (9.26 kg/m <sup>2</sup> )
4" (101.6 mm)	21.1	2.02 lb/ft <sup>2</sup> (9.7 kg/m <sup>2</sup> )

\* Other thicknesses available upon request.

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

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PDS 905

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