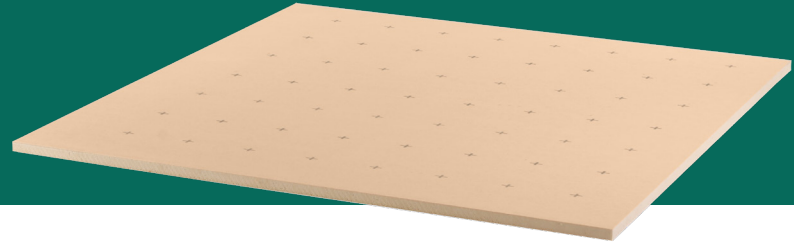


≥ 80 psi High Density TCPP-Free NH Polyiso Cover Board for MA Systems Only



Description:

EnergyGuard™ NH HD-MA Polyiso Cover Board is made of glass fiber-reinforced cellulosic facers (GRF) bonded to a core of high-density non-halogenated polyisocyanurate foam designed to be used as a cover board for low-slope, mechanically attached or induction welded single-ply roof systems only.

Features and Benefits:

- R-value 2.5 — highest R-value compared to non-polyiso cover boards of equivalent thickness
- High compressive strength — 80 psi (551 kPa) minimum up to 109 psi (751 kPa) maximum
- Lighter weight — approximately 9 lbs (4.08 kg) per 4' x 8' sheet — considerably lighter than gypsum 4' x 8' (1.22 m x 2.44 m) board
- Ideal for low-slope roofs when an economical high-density polyiso cover board is needed for added protection against hail events and foot traffic*
- Can help save time and labor due to ease of installation, light weight, and ease of cutting

*GAF warranties and guarantees do not provide coverage against traffic except where GAF walkways are applied, or hail except where additional puncture-resistance coverage is purchased on eligible jobs. Refer to gaf.com for more information on warranty and guarantee coverage and restrictions.

Panel Characteristics:

- Available in 1/2" (12.7 mm) thickness
- Available in 4' x 8' (1.22 m x 2.44 m)
- 48 pieces per bundle

Codes & Compliance:

- Meets the requirements of ASTM C1289, Type II, Class 5, Grade 1 (80 psi min – 109 psi max)
- FM Approved, including as a component of a Class 1-SH hail rated assembly. Refer to RoofNav.com for approved assemblies
- Classified by UL in accordance with ANSI/UL 790 and 1256. Refer to UL Product iQ for specific assemblies.
- For additional information, contact GAF at 877-423-7663 or designservices@gaf.com



Sustainability:

EnergyGuard™NH HD-MA Polyiso Cover Board holds the polyiso industry's only specific Environmental Product Declaration (EPD) for non-halogenated products

- Sustainable design projects pursuing certifications under a green building rating system such as LEED v4, or Living Building Challenge will benefit from these certifications and listings
- Manufactured with EPA-compliant blowing agents containing no CFCs or HCFCs; has zero ozone depletion potential (ODP) and negligible global warming potential (GWP)
- Potential LEED Credits for polyiso use
- Living Building Challenge Red List Approved
- GREENGUARD Gold
- Where sold compliant with State HFC regulations. More information available at www.polyiso.org
- Environmental Product Declaration (EPD) (Industry)



Visit gaf.com

We protect what matters most™

GAF



EnergyGuard™
NHHD-MA
 Polyiso Cover Board

Typical Physical Property Data:

| Property | Test Method | Values |
|--|-----------------------|--|
| Compressive Strength | ASTM D1621 | 80 psi min (551 kPa) up to 109 psi max (751 kPa) |
| Dimensional Stability Change (length + width)* | ASTM D2126 | < 1.5% linear change |
| Flute Spanability | ASTM E661 | 3.75" (93.5mm) |
| Flexural Strength | ASTM C203 | 300 psi min (2,075 kPa) |
| Tensile Strength | ASTM C209 | 2,000 psf min (95 kPa) |
| Water Absorption (percent by volume) | ASTM C209 | 3.0% max |
| Water Vapor Permeance | ASTM E96, Procedure A | 2 perm max (114.98ng/Pa·s·m ²) |
| Service Temperature | | 260°F (126.7°C) or less |
| R-value | ASTM C518 | 2.5 |

* Stated dimensional stability tolerance: thickness shall not diminish by more than 4% max (at -40°F or 200°F at ambient RH) or by more than 4.5% max (158° F & 97% RH).

Warnings and Limitations:

- EnergyGuard™ NH HD-MA Polyiso Cover Board is a non-structural, non-load-bearing material. It is not designed for direct traffic usage unless adequately protected.
- EnergyGuard™ NH HD-MA Polyiso Cover Board is approved for mechanically attached or induction welded single-ply systems only.
- EnergyGuard™ NH HD-MA Polyiso Cover Board should be stored protected from the elements. Bundle wrap is not for use as waterproofing for boards. No more insulation should be installed than can be completely covered with roofing on the same day.
- EnergyGuard™ NH HD-MA is sensitive to moisture and high humidity conditions, bowing or curling in the corners and edges may occur and extra fasteners might be needed.
- As unprotected polyisocyanurate will burn, fire safety precautions should be observed wherever insulation products are used.
- Refer to the application specifications in the current membrane manufacturer's application and specifications manual for proper installation procedures.
- Refer to *PIMA Technical Bulletin No.109 Storage and Handling Recommendations for Polyiso Roof Insulation* at polyiso.org



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