

EnergyGuard™ NH HD & NH HD PLUS Polyiso Insulation Sell Sheet

Updated: 2/17

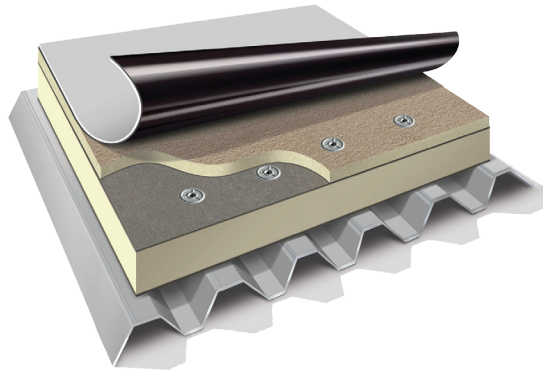


*Quality You Can Trust... From
North America's Largest Roofing Manufacturer!™*



GAF[®] EnergyGuard™ NH HD

POLYISO INSULATION



- Excellent Performance... Highest R-value cover board at 2.5
- Durable Construction... Over 80 psi compressive strength combined with a durable coated glass facer
- Versatile... Compatible with mechanically attached TPO, fully adhered TPO, cold-applied MB, cold-applied BUR applications, and more!

Product Details

- Compressive strength \geq 80 psi
- Approved as a component of FM approved systems with a Hail Rating of Class 1-SH. See RoofNav.com for specific assemblies.
- Weight – 11 lb. (4.9 kg) 4' x 8' (1.21m x 2.44m) board
- Premium coated glass facer
- Thickness – 1/2" (12.7mm)
- Pieces per bundle – 48
- Contains no CFCs or HCFCs; has zero ODP and is EPA compliant

Codes & Compliance

- UL 790/ASTM E108 Class A Roofing Fire Rating — Refer to UL's Online Certification Directory for actual assemblies
- FM Approved – consult RoofNav.com for specific assemblies
- ASTM C1289 Type 2, Class 4, Grade 1

Description

EnergyGuard™ NH HD Polyiso Insulation is a 1/2" (12.7mm) thick high-density insulation cover board made of non-halogenated polyisocyanurate foam. EnergyGuard™ NH HD Polyiso Insulation holds a Health Product Declaration (HPD) and is a Red List Free product with a Declare label designation. 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. See our GAF LEED® v4 Playbook at www.gaf.com/green. With over 80 psi compressive strength and a durable coated glass facer, EnergyGuard™ NH HD is an ideal board for protecting your roof against the elements.

Features and Benefits

- Easy to Handle... Light weight (11 lb. [4.9 kg] per 4' x 8' [1.21m x 2.44m] board) and easy to cut and install...it's a fraction of the weight of gypsum cover boards.



TYPICAL PHYSICAL PROPERTY DATA CHART (POLYISO FOAM CORE ONLY)

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM D1621	\geq 80 psi
Dimensional Stability	ASTM D2126	< 0.5% linear change
Water Absorption	ASTM C209	< 1% volume
Resistance to Mold	ASTM D3273	Passed (10)
Service Temperature		260°F (126°C) or less
Recycled Content		> 8%

*Tested in accordance with ASTM C518

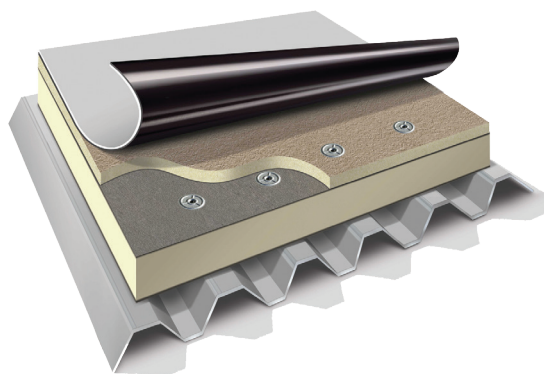
HIGH-DENSITY

Polyiso Cover Board



GAF[®] EnergyGuard™ NH HD PLUS

POLYISO INSULATION



- Excellent Performance... Highest R-value cover board at 2.5
- Durable Construction... Over 110 psi compressive strength combined with a durable coated glass facer
- Versatile... Compatible with mechanically attached TPO, fully adhered TPO, cold-applied MB, cold-applied BUR applications, and more!

Description

EnergyGuard™ NH HD PLUS Polyiso Insulation is a ½" (12.7 mm) thick high-density insulation cover board made of non-halogenated polyisocyanurate foam. EnergyGuard™ NH HD PLUS Polyiso Insulation holds a Health Product Declaration (HPD) and is a Red List Free product with a Declare label designation. 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. See our GAF LEED® v4 Playbook at www.gaf.com/green. With over 110 psi compressive strength and a durable coated glass facer, EnergyGuard™ NH HD PLUS is an ideal board for protecting your roof against the elements.

Features and Benefits

- Easy to Handle... Light weight (13 lb. [5.9 kg] per 4' x 8' [1.21m x 2.44m] board) and easy to cut and install...it's a fraction of the weight of gypsum cover boards.

Product Details

- Compressive strength ≥ 110 psi
- Approved as a component of FM approved systems with a Hail Rating of Class 1-SH. See RoofNav.com for specific assemblies.
- Weight – 13 lb. (5.9 kg) 4' x 8' (1.21 m x 2.44 m) board
- Premium coated glass facer
- Thickness – ½" (12.7 mm)
- Pieces per bundle – 48
- Contains no CFCs or HCFCs; has zero ODP and is EPA compliant

Codes & Compliance

- UL 790/ASTM E108 Class A Roofing Fire Rating — Refer to UL's Online Certification Directory for actual assemblies
- FM Approved – consult RoofNav.com for specific assemblies
- ASTM C1289 Type 2, Class 4, Grade 2



TYPICAL PHYSICAL PROPERTY DATA CHART (POLYISO FOAM CORE ONLY)

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM D1621	110 psi
Dimensional Stability	ASTM D2126	< 0.5% linear change
Water Absorption	ASTM C209	< 1% volume
Resistance to Mold	ASTM D3273	Passed (10)
Service Temperature		260°F (126°C) or less
Recycled Content		> 8%

*Tested in accordance with ASTM C518

HIGH-DENSITY

Polyiso Cover Board