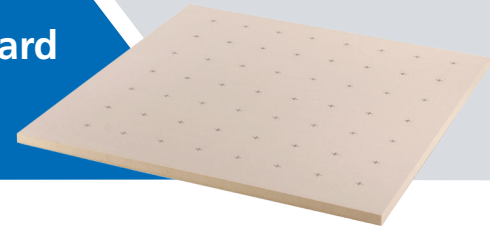


# Paratherm® NH HD Cover Board

## 1/2" High Density (≥80 psi) TCPP-Free Polyiso Cover Board with CGF facers



### Description:

Paratherm® NH HD Polyiso Cover Board is made of durable inorganic coated glass fiber facers (CGF) bonded to a core of high density non-halogenated polyisocyanurate foam designed to be used as a cover board for low-slope roof systems. This insulation cover board is designed to be used in conjunction with approved Siplast roof systems. Contact Siplast for information on approved product uses.

### Features and Benefits:

- **Paratherm® NH HD Polyiso Cover Board is better for the environment because it does not contain potentially hazardous flame-retardant chemicals (TCPP)**
- **Paratherm® NH HD Polyiso Cover Board Product Declaration (HPD), and is a Red List Free product with a Declare label designation**
- 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
- Light weight — only 11 lbs (4.9kg) per 4' x 8' (1.22m x 2.44m) board
- Easy to cut, easy to install
- Meets the requirements of D3273 for resistance to mold growth \*
- Ideal for low-slope roofs with high foot traffic †, exposure to hail events, and metal retrofit applications ‡

### System Approvals:

- Approved component in commercial roof systems, mechanically attached and adhered
- Refer to the applicable Siplast Technical Guide for detailed application information



### Panel Characteristics:

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

### Codes & Compliance:

- Meets the requirements of ASTM C1289 Type II, Class 4, Grade 1
- 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
- Miami Dade County Product Control Approved
- State of Florida Approved



### Sustainability:

- Paratherm® NH HD 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](http://www.polyiso.org)

Declare.



\* Siplast warranties and guarantees do not provide coverage against mold or other biological growth. Refer to Siplast.com for more information on warranty and guarantee coverage and restrictions.

† Siplast warranties and guarantees do not provide coverage against traffic. Refer to Siplast.com for more information on warranty and guarantee coverage and restrictions.

‡ Please see applicable manual for retrofit installations.

§ Siplast warranties and guarantees do not provide coverage against hail except where additional puncture resistance coverage is purchased on eligible jobs. Refer to Siplast.com for more information on warranty and guarantee coverage and restrictions.

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1/2" High Density (≥80 psi) TCPP-Free NH Polyiso Cover Board with CGF Facers

## 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% linear change
Flute Spanability	ASTM E661	3.75" (93.5mm)
Flexural Strength	ASTM C203	400 psi min (2,750 kPa)
Tensile Strength	ASTM C209	2,000 psf min (95 kPa)
Water Absorption (percent by volume)	ASTM C209	4% max
Water Vapor Permeance	ASTM E96, Procedure A	1.5 perm max (85.8ng/Pa•s•m <sup>2</sup> )
Service Temperature †		260°F (126.7°C) or less
Resistance to Mold ‡	ASTM D3273	Pass (10)
R-value	ASTM C518	2.5

## Warnings and Limitations:

- Paratherm® NH HD Polyiso Cover Board. is a non-structural, non load-bearing material. It is not designed for direct traffic usage unless adequately protected.
- Paratherm® NH HD 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.
- As unprotected polyisocyanurate will burn, fire safety precautions should be observed wherever insulation products are used.
- Direct mopping of modified bitumen roofing or built-up roofing (BUR) to Paratherm® NH HD Polyiso Cover Board is not approved.
- 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 [www.polyiso.org](http://www.polyiso.org)
- Material should be carefully coordinated with the schedule for roofing operations to minimize job site storage time. Upon delivery, remove the factory packaging or slit on all four sides and cover pallets with a breathable, waterproof covering to allow for ventilation and to prevent the accumulation of condensation. Whenever possible, store pallets over finished surfaces rather than on dirt or grass to avoid upward transpiration of moisture and the accumulation of condensate. Consider interior storage offering dry, well-ventilated conditions when Paratherm is to be stored for more than 14 days prior to installation.

\* 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).

† These numerical ratings are not intended to reflect hazards presented by these or any other material under actual fire conditions.

‡ Siplast warranties and guarantees do not provide coverage against mold or other biological growth. Refer to [Siplast.com](http://Siplast.com) for more information on warranty and guarantee coverage restrictions.