

Paratherm® HD Plus Polyiso Cover Board

1/2" High Density (≥110 psi) Polyiso Cover Board



Description:

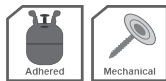
Paratherm® HD Plus Polyiso Cover Board is a rigid roof insulation comprised of a high-density closed cell polyisocyanurate foam core bonded on each side to a durable inorganic coated fiberglass facers (CGF). The insulation cover board is designed to be used in conjunction with approved Siplast roof systems. Contact Siplast for information on approved product uses.

Features and Benefits:

- R-value 2.5 — highest R-value compared to non-polyiso cover boards of equivalent thickness
- High compressive strength — 110 (758 kPa) minimum up to 139 (958 kPa) maximum
- Light weight — only 13 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

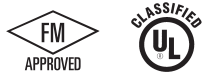


Panel Characteristics:

- 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 2
- 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
- UL Evaluation Report ER1306-03
- State of Florida Approved



Sustainability:

- 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
- GREENGUARD Gold
- Where sold compliant with State HFC regulations. More information available at www.polyiso.org
- Environmental Product Declaration (EPD)



* 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.

Paratherm® HD Plus Polyiso Cover Board

1/2" High Density (≥110 psi) Polyiso Cover Board with CGF Facers

Typical Physical Property Data:

Property	Test Method	Values
Compressive Strength	ASTM D1621	110 psi min (758 kPa) up to 139 psi max (958 kPa)
Dimensional Stability Change (length + width)**	ASTM D2126	< 1% linear change
Flute Spanability	ASTM E661	4.75" (102.7mm)
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	2.0 perm max (85.8ng/Pa•s•m ²)
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® HD Plus Polyiso Cover Board is a non-structural, non load-bearing material. It is not designed for direct traffic usage unless adequately protected.
- Paratherm® HD Plus 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® HD Plus 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
- 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.

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