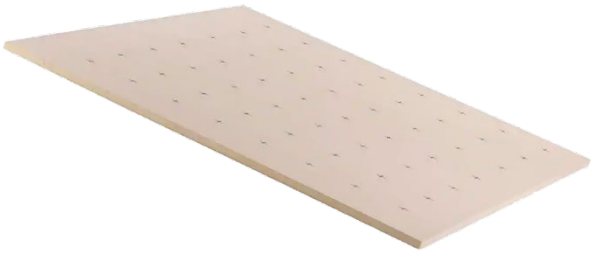
PARATHERM® NH HD COVERBOARD

Commercial Product Data Sheet



Paratherm® NH HD Coverboard is a rigid roof insulation board comprised of a high-density closed cell polyisocyanurate foam core bonded on each side to an inorganic coated fiberglass facer. The core of Paratherm NH HD consists of a non-halogenated polyisocyanurate foam that is free from potentially hazardous flame retardant chemicals.

Contact Siplast for information on approved product uses.

USES:
COVERBOARDS

Standards	ASTM C1289 Type II, Class 4 Grade 1 (80 psi)
Panel Dimensions	4 ft x 8 ft (1.22 m x 2.43 m) 4 ft x 4 ft (1.22 m x 1.22m)
Thickness	1/2 in (12.7 mm)

PRODUCT INFORMATION

Application

Refer to the applicable Siplast Technical Guide for detailed application information.

Storage and Handling

Material should be carefully coordinated with the schedule for roofing operations to minimize job site storage time. Upon delivery, the factory packaging should be removed or slit on all four sides to allow for ventilation and to prevent the accumulation of condensation. Interior storage offering dry, well-ventilated conditions should be considered when the product is to be stored for more than 14 days prior to installation. When short-term job site storage is necessary, Paratherm should be stored flat on raised pallets or platforms at least 4 inches above the ground. Pallets should be stored on a finished surface rather than on dirt or grass to avoid upward transpiration of moisture. Pallets should be covered with a breathable, waterproof covering in all cases.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Factory packaging protected by plastic wrap, plastic bag, or both.

Listings, Approvals, & Certifications

c UL us LISTED FM APPROVED GREENGUARD GOLD

Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com
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PARATHERM® NH HD COVERBOARD

Physical and Mechanical Properties

siplast® With you every step of the way

Nominal Thickness	Thermal Value (R-value)*	Thermal Value (RSI)**
1/2 inch (12.7 mm)	2.5	0.44

* Calculated using ASTM C518 at 75°F mean temperature.
** RSI is the metric expression of thermal value (m^2 x K/W).

Property (As Manufactured)	Value/Units	Test Method
Compressive Strength*	Grade 1 (80 psi)	ASTM D1621
Dimensional Stability**	< 0.5%	ASTM D2126
Water Absorption	< 3%	ASTM C209
Tensile Strength	≥ 2000 psf (95 kPa)	ASTM D1623
Service Temperature	-100°F - 250°F	N/A
Mold Resistance***	Pass	ASTM D3273

* Foam core.
** Percentage change (7 days at 158°F [70°C] 97% RH).
*** Siplast guarantees do not provide coverage against mold or other biological growth.

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