

PARATHERM® HD & PARATHERM® W HD COVERBOARD

Commercial Product Data Sheet



Paratherm® HD and Paratherm® W HD Coverboards are rigid roof insulation boards comprised of a high-density closed cell polyisocyanurate foam core bonded on each side to a inorganic coated fiberglass facers. The insulation boards are designed to be used in conjunction with Siplast thermoplastic roof systems.

Contact Siplast for information on approved product uses.

USES: COVERBOARDS

Standards	ASTM C1289 Type II, Class 4 Grade 1 (80psi)
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

All Siplast insulation roofing products should be stored on a clean, flat surface at least 4 inches above the ground. Upon delivery, the factory packaging should be removed or slit on all four vertical sides to allow for ventilation and to prevent the accumulation of condensation. All roofing products should be stored in a dry, well-ventilated place out of direct exposure to the elements when storing for more than 14 days prior to installation. Pallets should be covered with a breathable, waterproof covering and stored on a finished surface rather than on dirt or grass to avoid upward evaporation/transpiration of moisture.

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

Packaging

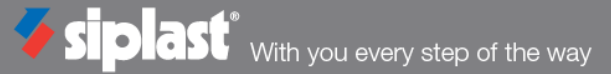
Factory packing protected by plastic wrap, plastic bag, or both.

Listings, Approvals, & Certifications



PARATHERM® HD & PARATHERM® W HD COVERBOARDS

Physical and Mechanical Properties



Nominal Thickness	Thermal Value (R-value)*	Thermal Value (RSI)**
½ 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 (m² x K/W).

Property (As Manufactured)	Value/Units	Test Method
Dimensional Stability*	< 0.5%	ASTM D2126
Compressive Strength	Grade 1 (80 psi)	ASTM D1621
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

* Percentage change (7 days at 158°F [70°C] 97% RH).