

Product Description

Kingspan ISO HD CG is a ½" high density cover board featuring a rigid closed cell polyisocyanurate foam core insulation laminated to a coated glass facer on both sides.



Manufactured in the U.S.A.

Kingspan ISO HD CG is manufactured in the U.S.A. with globally sourced materials.



Features & Benefits

- **Added Strength and Protection** with max. 109 psi compressive strength to protect against wind, hail, and punctures to maximize long-term performance.
- **Provides Added Thermal Performance:** contributes an additional 2.5 R-Value to the roofing system, outperforming many alternative cover boards in the market.
- **Lightweight and low water absorption** foam technology.
- Dense, rigid polyiso formulation provides resistance against indentation and other damage from impact.
- **FM Approved.**
- **UL Fire Performance:** Achieves UL Class A approval directly over a combustible wood deck up to ½-in. slope per 12".
- **Enhanced Adhesion Surface:** the coated glass facer provides a smooth surface for maximum membrane-to-substrate adhesion to enhance adhered system performance.
- **Mold Resistance:** The coated glass facer also delivers improved mold and fungi resistance meeting the requirements for ASTM D 3273.
- Meets the requirements of ASTM C 1289, Type II, Class 4, Grade 1.

System Installation Options

- **Mechanically Attached System** – most common attachment method where fasteners and plates are used to attach TPO membrane, insulation, and / or other roofing materials to the roof deck in accordance with Kingspan's TPO fastening rate requirements.
- **Fully-Adhered System** – attachment method where adhesive is utilized to adhere the membrane to an approved Kingspan substrate.
- **Induction-Welded** – where the membrane is attached over an approved substrate, including Kingspan polyiso insulation, using induction welded plates.

Codes & Approvals



- FM® Standards 4450 / 4470 Approvals.
- UL® Standard 790.

Application

- Install the Kingspan ISO HD CG Insulation in accordance with Kingspan's TPO specifications and requirements. Reference the Kingspan Application Guide for additional details.
- Protect Kingspan ISO HD CG insulation from excessive foot traffic.

Safety Precautions

- Use proper equipment and assistance when moving, lifting, handling, or transporting Kingspan ISO HD CG insulation boards to avoid personal injuries as well as damage to the material.
- Reference the Kingspan product Safety Data Sheet for additional safety information.

Storage

- Store Kingspan ISO HD CG cover boards away from objects that could cause physical indentations or other damage as well as ignition sources. The polyiso is flammable and will catch fire when exposed to open flame.

LEED® Information

- Post-Consumer: 3.7%.
- Post-Industrial: 0%.

Product & Packaging Information

SKU	Dimensions	Boards per Pallet	Pallet Weight
600000001060	4'x8'	44	580 lbs

Typical Physical Properties

Meets the requirements of ASTM C 1289, Type II, Class 4, Grade 1.

Test Description	ASTM Test Method	Values
Strength Performance		
Compressive Strength	D 1621	Grade 1: 109 psi (751 kPa) max.
Flexural Strength	Modulus of Rupture, psi (kPa), nominal	675 psi (4654 kPa)
	Breakload, lbf (kN), nominal	40 lbf (0.18 kN)
Flute Spanability, inches, max.	E 661	9.5
Dimensional Stability, % Linear Change, nominal	D 2126	0.5%
Installation Performance		
Weight, lb-ft ² (kg-m ²), nominal	N/A	0.375 lb-ft ² (1.83 kg-m ²)
Weight per board (4'x8'), lb (kg), nominal	N/A	12 lbs (5.4 kg)
Moisture Performance		
Moisture Vapor Permeance	E 96	<1 perm, 57.5 ng/(Pa*s*m ²)
Water Absorption, % by volume	C 209	1.5% (max.)
Surface Water Absorption, gram, max.	C 473	<1 gram
Mold Resistance	D 3273	Pass

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