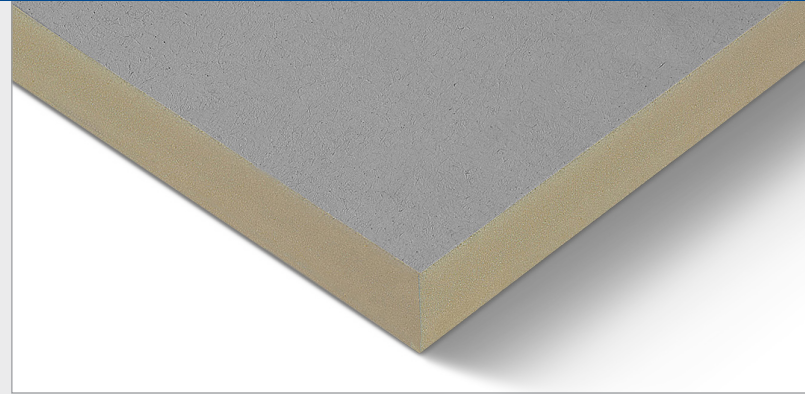


Product Description

Kingspan ISO CG is a rigid closed cell polyisocyanurate foam core insulation laminated to a coated glass facer on both sides.



Manufactured in the U.S.A.

All Kingspan polyiso insulation is manufactured in the U.S.A. with globally sourced materials.



Features & Benefits

- **Strong thermal resistance:** 5.7 R-Value at 1-in.
- **Fire Performance:** Achieves UL Class A approval directly over a combustible wood deck up to ½-in. slope per 12”.
- **Mold Resistance:** The coated glass facer provides improved mold and fungi resistance over Kingspan ISO GF.
- Dense, rigid polyiso formulation provides **resistance against indentation and other damage** from impact.
- The coated glass facer provides a **smooth surface for maximum membrane-to-substrate adhesion** to maximize fully adhered system performance.
- **Design Flexibility:** Available in both flat and tapered options to meet any system’s performance requirements.
- **Easy to cut** material for on-roof customization to get the job done.
- Meets the requirements of ASTM C 1289, Type II, Class 2.
- Available in 4’x4’ and 4’x8’ sizes for Flat polyiso and 4’x4’ for Tapered polyiso. Custom options available via special order.
- Standard compressive strength is 20psi; 25psi is available through Made-to-Order only.

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, 263 and 1256.
- California Code of Regulations, Title 24, Insulation Quality Standard.

Application

- The Kingspan ISO CG insulation may be installed using approved Kingspan fasteners and plates or Kingspan Low-Rise Foam Adhesives. Reference the Kingspan Application Guide for additional details.
- Protect Kingspan ISO CG from excessive foot traffic.

Safety Precautions

- Use proper equipment and assistance when moving, lifting, handling, or transporting Kingspan ISO 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 CG 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

- Kingspan ISO CG Insulation – Recycled Content.
 - Post-Consumer: 10%+ (varies by SKU, available upon request).
 - Post-Industrial: 5%+ (varies by SKU, available upon request).

Typical Physical Properties

Meets the requirements of ASTM C 1289, Type II, Class 2.

Test Description	ASTM Test Method	Values
Strength Performance		
Tensile Strength	C 209	500 psf (min. allowed), 730 psf (nominal)
Compressive Resistance @ 10% Deformation	D 1621	Grade 2: 20psi, Grade 3: 25psi (min. allowed)
Dimensional Stability Change (length and width)	D 2126	0.5% (nominal), 2.0% (max. allowed)
Fire Performance		
Flame Spread, polyiso core	E 84	20-30 (nominal), 75 (max. allowed)
Smoke Developed, polyiso core	E 84	55-250 (nominal), 450 (max. allowed)
Service Temperature	D 1623	-100°F-250°F
Moisture Performance		
Moisture Vapor Permeance	E 96	<1 perm, 57.5 ng/(Pa*s*m ²)
Water Absorption	C 209	1.0% (max.)
Mold Resistance	D 3273	Pass

Product Sizes

ISO CG - 4'x4'

SKU	Description	R-Value*
600000001103	Kingspan ISO CG 4'x4' 1.00"	5.7
600000001109	Kingspan ISO CG 4'x4' 1.50"	8.6
600000001111	Kingspan ISO CG 4'x4' 1.70"	9.7
600000001112	Kingspan ISO CG 4'x4' 1.75"	10.0
600000001113	Kingspan ISO CG 4'x4' 1.80"	10.3
600000001115	Kingspan ISO CG 4'x4' 2.00"	11.4
600000001116	Kingspan ISO CG 4'x4' 2.10"	12.0
600000001117	Kingspan ISO CG 4'x4' 2.20"	12.6
600000001118	Kingspan ISO CG 4'x4' 2.30"	13.2
600000001119	Kingspan ISO CG 4'x4' 2.40"	13.8
600000001120	Kingspan ISO CG 4'x4' 2.50"	14.4
600000001121	Kingspan ISO CG 4'x4' 2.60"	15.0
600000001122	Kingspan ISO CG 4'x4' 2.70"	15.6
600000001123	Kingspan ISO CG 4'x4' 2.80"	16.2
600000001124	Kingspan ISO CG 4'x4' 2.90"	16.8
600000001125	Kingspan ISO CG 4'x4' 3.00"	17.4
600000001126	Kingspan ISO CG 4'x4' 3.10"	18.0
600000001127	Kingspan ISO CG 4'x4' 3.20"	18.6
600000001129	Kingspan ISO CG 4'x4' 3.30"	19.2
600000001130	Kingspan ISO CG 4'x4' 3.40"	19.9
600000001131	Kingspan ISO CG 4'x4' 3.50"	20.5
600000001132	Kingspan ISO CG 4'x4' 3.60"	21.1
600000001133	Kingspan ISO CG 4'x4' 3.70"	21.7
600000001137	Kingspan ISO CG 4'x4' 4.00"	23.6
600000001140	Kingspan ISO CG 4'x4' 4.30"	25.5
600000001141	Kingspan ISO CG 4'x4' 4.40"	26.1

* Nominal R-Value.

ISO CG - 4'x8'

SKU	Description	R-Value*
600000001183	Kingspan ISO CG 4'x8' 1.00"	5.7
600000001184	Kingspan ISO CG 4'x8' 1.10"	6.3
600000001185	Kingspan ISO CG 4'x8' 1.20"	6.8
600000001189	Kingspan ISO CG 4'x8' 1.50"	8.6
600000001190	Kingspan ISO CG 4'x8' 1.60"	9.1
600000001191	Kingspan ISO CG 4'x8' 1.70"	9.7
600000001192	Kingspan ISO CG 4'x8' 1.75"	10.0
600000001193	Kingspan ISO CG 4'x8' 1.80"	10.3
600000001194	Kingspan ISO CG 4'x8' 1.90"	10.8
600000001195	Kingspan ISO CG 4'x8' 2.00"	11.4
600000001196	Kingspan ISO CG 4'x8' 2.10"	12.0
600000001197	Kingspan ISO CG 4'x8' 2.20"	12.6
600000001198	Kingspan ISO CG 4'x8' 2.30"	13.2
600000001199	Kingspan ISO CG 4'x8' 2.40"	13.8
600000001200	Kingspan ISO CG 4'x8' 2.50"	14.4
600000001201	Kingspan ISO CG 4'x8' 2.60"	15.0
600000001202	Kingspan ISO CG 4'x8' 2.70"	15.6
600000001205	Kingspan ISO CG 4'x8' 3.00"	17.4
600000001206	Kingspan ISO CG 4'x8' 3.10"	18.0
600000001207	Kingspan ISO CG 4'x8' 3.20"	18.6
600000001209	Kingspan ISO CG 4'x8' 3.30"	19.2
600000001210	Kingspan ISO CG 4'x8' 3.40"	19.9
600000001211	Kingspan ISO CG 4'x8' 3.50"	20.5
600000001212	Kingspan ISO CG 4'x8' 3.60"	21.1
600000001217	Kingspan ISO CG 4'x8' 4.00"	23.6
600000001220	Kingspan ISO CG 4'x8' 4.30"	25.5
600000001222	Kingspan ISO CG 4'x8' 4.50"	26.8

* Nominal R-Value.

Product Sizes

ISO CG Tapered - 4'x4'

SKU	Description	R-Value*
Tapered ISO Slope 1/16"		
600000001267	Kingspan ISO CG Tapered 1 - 1.0"/1.25"	6.4
600000001268	Kingspan ISO CG Tapered 2 - 1.25"/1.5"	7.8
600000001269	Kingspan ISO CG Tapered 3 - 1.5"/1.75"	9.3
600000001270	Kingspan ISO CG Tapered 4 - 1.75"/2.0"	10.7
600000001271	Kingspan ISO CG Tapered 5 - 2.0"/2.25"	12.1
600000001272	Kingspan ISO CG Tapered 6 - 2.25"/2.5"	13.6
Tapered ISO Slope 1/8"		
600000001273	Kingspan ISO CG Tapered AA - 0.5"/1.0"	4.3
600000001274	Kingspan ISO CG Tapered A - 1.0"/1.5"	7.1
600000001275	Kingspan ISO CG Tapered B - 1.5"/2.0"	10.0
600000001276	Kingspan ISO CG Tapered C - 2.0"/2.5"	12.9
600000001277	Kingspan ISO CG Tapered D - 2.5"/3.0"	15.9
600000001278	Kingspan ISO CG Tapered E - 3.0"/3.5"	18.9
600000001279	Kingspan ISO CG Tapered F - 3.5"/4.0"	22.1
600000001280	Kingspan ISO CG Tapered FF - 4.0"/4.5"	25.3
Tapered ISO Slope 3/16"		
600000001291	Kingspan ISO CG Tapered JJ - 0.5"/1.25"	5.0
600000001292	Kingspan ISO CG Tapered KK - 1.25"/2.0"	9.3
600000001293	Kingspan ISO CG Tapered LL - 2.0"/2.75"	13.6
Tapered ISO Slope 1/4"		
600000001295	Kingspan ISO CG Tapered G - 1.0"/2.0"	8.6
600000001296	Kingspan ISO CG Tapered H - 2.0"/3.0"	14.4
600000001297	Kingspan ISO CG Tapered I - 3.0"/4.0"	20.5
600000001298	Kingspan ISO CG Tapered X - 0.5"/1.5"	5.7
600000001299	Kingspan ISO CG Tapered Y - 1.5"/2.5"	11.4
600000001300	Kingspan ISO CG Tapered Z - 2.5"/3.5"	17.4
600000001301	Kingspan ISO CG Tapered ZZ - 3.5"/4.5"	23.6

SKU	Description	R-Value*
Tapered ISO Slope 3/8"		
600000001302	Kingspan ISO CG Tapered SS - 0.5"/2.0"	7.1
600000001303	Kingspan ISO CG Tapered TT - 2.0"/3.5"	15.9
Tapered ISO Slope 1/2"		
600000001304	Kingspan ISO CG Tapered Q - 0.5"/2.5"	8.6
600000001305	Kingspan ISO CG Tapered QQ - 2.5"/4.5"	20.5

* Nominal R-Value.

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