Kingspan Insulated Panels- K-ROC HF
by Kingspan Insulated Panels North America

SCREENING DATE: 2026-04-10
PUBLISHED DATE: 2026-04-16
EXPIRY DATE: 2029-04-10
PREPARER: Self-Prepared

Health Product Declaration v3.0
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 7051140096
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 07 42 13.19 Thermal and Moisture Protection (insulation water barrier): Insulated Metal Wall Panels
PRODUCT DESCRIPTION: For superior fire protection in sensitive environments, K-Roc HF Series panels are an excellent choice. External and internal skins are available as embossed or non-embossed to suit heavy wash down needs. The 42" cover width of K-Roc HF allows for fast, easy installation. In certain light duty structures, unique hidden fastener details may be available depending on spans, structural loads and climatic conditions.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
→ Nested Materials Method

Threshold Disclosed Per
→ Product

Threshold Level
→ 1,000 ppm

Residuals/Impurities Evaluation
Completed in **3** of **3** Materials

Explanation(s) provided for Residuals/Impurities?
Yes

For all contents above the threshold, the manufacturer has:

Characterized Yes
Provided weight and role.

Screened Yes
Provided screening results using HPDC-approved methods.

Identified No
Provided name and CAS RN or other identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

AISI 1008 CARBON STEEL (UNS G10080) [AISI 1008 CARBON STEEL (UNS G10080) MULTIPLE **ZINC, ELEMENTAL** LT-P1 | MUL | AQU **]**
MINERAL WOOL [MAN-MADE VITREOUS (SILICATE) FIBRES WITH RANDOM ORIENTATION WITH ALKALINE AND ALKALI EARTH OXIDES (NA2O+K2O+CAO+ MGO+BAO) CONTENT GREATER THAN 18% BY WEIGHT AND FULFILLING ONE OF THE CLP REGULATION ANNEX VI NOTE Q CONDITIONS NoGS **PHENOL-FORMALDEHYDE RESIN** LT-P1 **UREA** LT-UNK | EYE **SYRUPS, HYDROLYZED STARCH, DEHYDRATED** LT-UNK **] CURED POLYURETHANE POLYMER [POLYURETHANE FOAMS** LT-UNK **]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-UNK, BM-2

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special Conditions applied: [MetalAlloy]

The steel panels are available in a wide variety of colors, thicknesses, and types of finishes offered, this HPD does not consider paints, finishes, or coatings in the materials listed. Any coating applied to the surfaces of these panels is coil-applied prior to the forming of the panel; as a result, no VOCs are generated at the job site due to field painting operations

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: UL/GreenGuard Gold Certified
LCA: Environmental Product Declaration (EPD) by SCS

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

AISI 1008 CARBON STEEL (UNS G10080) **%: 45.0000 - 65.0000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Formulation Data, including residuals, were collected from all suppliers and those above the stated threshold are included.

OTHER MATERIAL NOTES: Percentage range is due to variation in panel thickness. The percent by weight of the steel panels will depend on panel thickness and panel module.

AISI 1008 CARBON STEEL (UNS G10080) ID: **UNS G10080**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

%: **93.0000 - 96.0000** GreenScreen: **MULTIPLE** RC: **Both** NANO: **No** MATERIAL ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening is not applicable to this Special Condition		

METAL ALLOY HPD: See alloy HPD for alloying content inventory, GreenScreen scores, and hazards: [UNS G10080]

METAL ALLOY NOTES: In compliance with HPDC Special Conditions Policy for Metal Alloys, the listed alloy is considered the ingredient in this product, and is reported without information regarding its alloying elements. Metal alloys have different intrinsic characteristics, including health and environmental hazards, than their alloying elements. An alloy HPD with alloying element content inventory, their GreenScreen scores, and hazards is available at the link above.

ALLOYING ELEMENTS

- **Iron (Fe)**
  CASRN: 7439-89-6
  Percentage: 99.31 % - 99.7 %
  Element Role: Alloy element
  GreenScreen Score: LT-P1

No listings found on Additional Hazard Lists

- **Magnesium (Mg)**
  CASRN: 7439-95-4
  Percentage: .3 % - .5 %
  Element Role: Alloy element
  GreenScreen Score: LT-UNK

No listings found on Additional Hazard Lists

- **Carbon (C)**
  CASRN: 7440-44-0
  Percentage: 0 % - 0.1 %
  Element Role: Alloy element
  GreenScreen Score: LT-UNK

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

- **Sulfur (S)**
  CASRN: 7704-34-9
  Percentage: 0 % - 0.5 %
  Element Role: Alloy element
  GreenScreen Score: LT-UNK

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

- **Phosphorus (P)**
  CASRN: 7723-14-0
  Percentage: 0 % - 0.04 %
  Element Role: Alloy element
  GreenScreen Score: BM-2

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products

MATERIAL CONTENT NOTES: In compliance with HPDC Special Conditions Policy for Metal Alloys, the listed alloy is considered the ingredient in this product, and is reported without information regarding its alloying elements. Metal alloys have different intrinsic characteristics, including health and environmental hazards, than their alloying elements. Alloying elements are representative of the typical composition for UNS G10080.

ZINC, ELEMENTAL ID: **7440-66-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-04-10 8:09:11**

%: **4.0000 - 7.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Corrosion inhibitor**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Children's Toy Products

SUBSTANCE NOTES:

MINERAL WOOL **%: 30.0000 - 55.0000**

PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: High-density mineral wool

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not intentionally added and are expected to be present only in trace concentrations below 1000 ppm (or 100 ppm, if known). These may include trace inorganic constituents from mineral feedstocks and recycled inputs, as well as trace organic compounds associated with binder curing and processing aids. Supplier data and/or industry-average information has been used where full chemical characterization is not available.

OTHER MATERIAL NOTES: Material content is reported to a threshold of [1000 ppm / 100 ppm], based on supplier disclosures and/or industry-average data where full formulation details are not available.

MAN-MADE VITREOUS (SILICATE) FIBRES WITH RANDOM ORIENTATION WITH ALKALINE AND ALKALI EARTH OXIDES (NA2O+K2O+CAO+ MGO+BAO) CONTENT GREATER THAN 18% BY WEIGHT AND FULFILLING ONE OF THE CLP REGULATION ANNEX VI NOTE Q CONDITIONS

ID: **Not registered**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-04-10 8:09:12**

%: **90.0000 - 100.0000** GreenScreen: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The pre-consumer recycled content comes primarily from recycled slag.
The percent by weight of the substance is disclosed as a range to account for variances.

PHENOL-FORMALDEHYDE RESIN

ID: **9003-35-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-04-10 8:09:12**

%: **0.0000 - 5.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025 Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES: Forms part of the binder which adheres the fibers in the final product.

UREA

ID: **57-13-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-04-10 8:09:13**

%: **0.0000 - 2.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	GHS - New Zealand	Eye irritation category 2

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

SUBSTANCE NOTES: Forms part of the binder which adheres the fibers in the final product.

SYRUPS, HYDROLYZED STARCH, DEHYDRATED

ID: **68131-37-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-04-10 8:09:13**

%: **0.0000 - 2.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES: Forms part of the binder which adheres the fibers in the final product.

CURED POLYURETHANE POLYMER %: 3.0000 - 5.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The adhesive is a thermoset polyurethane system that cures to form a stable, crosslinked polymer network. Residual monomers are present at trace levels below reporting thresholds and are not expected to contribute to hazard under normal conditions of use.

OTHER MATERIAL NOTES:

POLYURETHANE FOAMS ID: 9009-54-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-04-10 8:09:12**

%: **98.0000 - 100.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This substance is a fully cured polyurethane polymer. The polymer matrix is stable and not expected to present the same hazards as its uncured components. Residual reactive monomers, if present, are below reporting thresholds.

Section 3: Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS — **UL/GreenGuard Gold Certified**

COMPLIANCE TYPE: Third-party certification
ISSUE DATE: 2026-04-08 **EXPIRY DATE:** 2026-08-31
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: UL Solutions
COMPLIANCE DETAILS:
COMPLIANCE SCOPE: Product
APPLICABLE FACILITIES: Product Specific- Facilities are Langley, British Columbia, Canada and Mattoon, Indiana
COMPLIANCE URL: https://spot.ul.com/main-app/products/detail/69d697c5af4db6c3c653efa5?page_type=Products%20Catalog
COMPLIANCE NOTES:

LCA — **Environmental Product Declaration (EPD) by SCS**

COMPLIANCE TYPE: Third-party certification
ISSUE DATE: 2024-03-29 **EXPIRY DATE:** 2029-03-28
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SCS Global Services
COMPLIANCE DETAILS:
COMPLIANCE SCOPE: Product
APPLICABLE FACILITIES: Langley, British Columbia, Canada
COMPLIANCE URL: https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=73431
COMPLIANCE NOTES:

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

CLADDING ACCESSORIES & COMPONENTS
MANUFACTURER (OR GENERIC): **Kingspan**

HPD URL: No HPD Available
ACCESSORY TYPE: Fastener
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Accessories include various fastening systems, including clips, fasteners, trims, etc. The exact accessory will vary by project.

Section 5: General Notes

This HPD includes all K-ROC products.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Kingspan Insulated Panels North America**
ADDRESS: **726 Summerhill Drive**
DeLand, Florida 32724
COUNTRY: **United States**

WEBSITE: **https://www.kingspan.com/us/en/**
CONTACT NAME: **Brent Trenga**
TITLE: **Director of Sustainability**
PHONE: **386-626-6860**
EMAIL: **Kelly.Buffey@Kingspan.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / **Material Threshold** Substances listed within each material per threshold indicated per material
Nested Method / **Product Threshold** Substances listed within each material per threshold indicated per product
Basic Method / **Product Threshold** Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.