

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY		
Inventory Reporting Format → Basic Method	Residuals/Impurities Evaluation → Not Completed	For all contents above the threshold, the manufacturer has:
Threshold Disclosed Per → Product	Explanation(s) provided : Yes	Characterized Provided weight and role. Yes
Threshold Level → 1,000 ppm		Screened Provided screening results using HPDC-approved methods. Yes
		Identified Provided name and CAS RN or other identifier. Yes

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.	Number of Greenscreen BM-4/BM3 contents ... 0
PRODUCT MATERIAL OR SUBSTANCE RESIDUAL OR IMPURITY GREENSCREEN SCORE HAZARD TYPE	Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... None
FIRESHIELD 15.9MM CALCIUM SULFATE DIHYDRATE LT-UNK MAM PULP, CELLULOSE NoGS	Nanomaterial ... No
	INVENTORY AND SCREENING NOTES:
	This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 3 and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished compound product, along with the role and percent weight. This HPD is consistent with the LEEDv4 Building Product Disclosure and Optimization: Material Ingredient and LEEDv5 Building Product Selection and Procurement. This HPD covers the manufacturing facilities for Knauf Vietnam.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT	
VOC Content data is not applicable for this product category.	COMPLIANCE See Section 3 for additional listings.
	VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
	LCA: Environmental Product Declaration (EPD) by EPD International AB
	CONSISTENCY WITH OTHER PROGRAMS
	Pre-checked for LEED v4.1 Option 1.

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

FIRESHIELD 15.9MM

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities in the finished product have not been evaluated. However, we conduct thorough testing on the raw materials used in the production process, including gypsum and other minerals. These tests encompass analyses such as S8 (cyclooctasulfur) and heavy metal content, among others.	
OTHER PRODUCT NOTES: ND	

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-21 20:27:31	
%: 90.0000 - 96.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-21 20:28:02	
?: 5.0000 - 10.0000	GreenScreen: NoGS	RC: PostC	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	
EXEMPT	European Union / European Commission (EU EC)		EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety	

SUBSTANCE NOTES: The paper used in the finished good is made of 100% post-consumer recycled content. The supplier is certified as meeting the requirement of FSC Chain-of-Custody purchasing of FSC Mix pulp, FSC Controlled Wood pulp, Pre-/Post-consumer reclaimed materials, production, and sales of FSC Mix / FSC Recycled papers under percentage system.

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	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Eurofins COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: FireShield 15.9mm is manufactured at Ho Chi Minh, Vietnam. COMPLIANCE URL: https://knauf.com/en-VN/knauf-gypsum/sustainability COMPLIANCE NOTES:	ISSUE DATE: 2025-10-28	EXPIRY DATE: 2028-10-28

LCA	Environmental Product Declaration (EPD) by EPD International AB	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Bureau Veritas COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: The FireShield 15.9 mm EPD is third-party verified and conforms to ISO 14025, EN 15804+A2:2019/AC:2021, and ISO 21930. The product is manufactured at Ho Chi Minh, Vietnam. COMPLIANCE URL: https://knauf.com/en-VN/knauf-gypsum/sustainability COMPLIANCE NOTES:	ISSUE DATE: 2025-12-10	EXPIRY DATE: 2030-12-10

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.

KNAUF EASYJOINT 90 COMPOUND MANUFACTURER (OR GENERIC): Knauf
HPD URL: https://knauf.com/vi-VN/knauf-trang-chu ACCESSORY TYPE: Installation Accessory CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Jointing compound is a powdered compound used for plasterboard jointing. It has been specially developed by using natural gypsum and additives providing the necessary mixing, workability and application properties needed for installation.

Section 5: General Notes

This HPD covers the FireShield 15.9mm gypsum board manufactured at the Knauf Ho Chi Minh plant, Vietnam. VOC emissions were tested in accordance with the CDPH Standard.

MANUFACTURER INFORMATION

MANUFACTURER: **Knauf Gypsum**
ADDRESS: **Lot B3A, Hiep Phuoc IZ, Hiep Phuoc Commune, Ho Chi Minh City, Vietnam**
Ho Chi Minh, Ho Chi Minh 700000
COUNTRY: **Viet Nam**

WEBSITE: **<https://knauf.com/vi-VN/knauf-trang-chu>**
CONTACT NAME: **Li Jiaxin**
TITLE: **APAC LCA EPD Manager**
PHONE: **6588695540**
EMAIL: **Jiaxin.Li@knauf.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

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

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 v2.1 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.