

Architectural Wall Panels

by Nichiha USA

HPD UNIQUE IDENTIFIER: 26930404
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 07 42 43 Composite Wall Panels
PRODUCT TYPE: Composite Wall Panels

PRODUCT DESCRIPTION: Nichiha Architectural Wall Panels are known for their durability, aesthetic versatility, and ease of installation. Designed to mimic the look of various materials like wood, stone, concrete, and brick, our panels are installed using a clip system, which reduces construction time and minimizes mistakes. Prefinished panels eliminate the need for mortar or masonry-skilled labor, and products can be installed year round in any climate. Available in an array of styles, textures, and colors, including the following series: Designer, Dimension, Modern, Wood, Concrete, Brick, and Masonry.

SCREENING DATE: 2026-08-21
PUBLISHED DATE: 2026-08-21
EXPIRY DATE: 2029-08-21
PREPARER: Elixir
Environmental

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

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

→ Nested Materials Method

Threshold Disclosed Per

→ Material

Threshold Level

→ 1,000 ppm

Residuals/Impurities Evaluation

Completed in 1 of 1 Materials

Explanation(s) provided
for Residuals/Impurities?

Yes

For all contents above the threshold, the manufacturer has:

Characterized

Provided weight and role.

Yes

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

ARCHITECTURAL WALL PANELS | PORTLAND CEMENT **LT-P1** CAN | END | MAM | EYE |
SKI **SILICA SAND** **BM-1 *** CAN | MAM | GEN **WOOD FLAKES MICA** **LT-UNK** MAM **WATER**
BM-4 **SILICA FUME** **LT-P1** CAN | MAM **PHOSPHORUS PENTOXIDE** **LT-P1** SKI | EYE | MAM]

Number of Greenscreen BM-4/BM3 contents ... 1

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 1,000 ppm] threshold to act as antimicrobials.
Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 1,000 ppm] threshold to act as antimicrobials.

Special Conditions applied: [BiologicalMaterial]

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 3.0, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight.

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE See Section 3 for additional listings.

VOC emissions: MAS Certified Green - VOC Emissions

LCA: Environmental Product Declaration (EPD) by EPD International AB

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Pre-checked for LEED v5 Human Health 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

ARCHITECTURAL WALL PANELS		%: 100.0000
MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material
RESIDUALS AND IMPURITIES NOTES: Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier documentation and as predicted by process chemistry (Pharos CML).		
OTHER MATERIAL NOTES: Percent by weight of substances reported as range to account for the various collections and colors available, to protect proprietary formulations, and due to disclosure preference of suppliers.		

PORTLAND CEMENT		ID: 65997-15-1		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-08-21 15:00:03		
%: 25.0000 - 35.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
MAM	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]	
EYE	GHS - Japan		H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]	
SKI	GHS - Japan		H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: May also be represented by or include the following: 68131-74-8 (LT-UNK); 65996-69-2 (LT-UNK); 1317-65-3 (BM-3dg); 1305-78-8 (BM-2); 13397-24-5 (BM-3dg); 1309-48-4 (BM-3dg).				

SILICA SAND			ID: 14808-60-7		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-08-21 15:00:04		
%: 20.0000 - 35.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen**		

CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)**
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man**
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources**
CAN	IARC	Group 1 - Agent is Carcinogenic to humans**
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen**
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]**
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]**
CAN	GHS - New Zealand	Carcinogenicity category 1**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]**
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]**
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found	No listings found on Additional Hazard Lists	

SUBSTANCE NOTES: Silica Sand is used in Architectural Wall Panels produced domestically (USA). Substance CASRN also listed as component of Portland Cement and Fly Ash, and may represent potential impurity of various geological materials. Please contact manufacturer if more information is required.

**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

FLY ASH

ID: 68131-74-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-08-21 15:00:05		
%: 20.0000 - 35.0000 ALT		GreenScreen: LT-UNK	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: May also be represented by or include the following: 60676-86-0 (LT-1); 1305-78-8 (BM-2); 71243-67-9 (NoGS). Fly Ash is used in Architectural Wall Panels produced internationally. Substance also listed as component of Portland Cement. Please contact manufacturer if more information is required.

ALTERNATE: This substance is an alternate substance to Silica Sand.

WOOD FLAKES

ID: Biological Material

HAZARD DATA SOURCE: HPDC Special Conditions Policy				
%: 25.0000 - 35.0000	GreenScreen: Not Required	RC: None	NANO: No	MATERIAL ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening is not applicable to this Special Condition		
BIOLOGICAL MATERIALS CATEGORY: Tree-based materials		
INGREDIENT DESCRIPTION: Various wood species		
MATERIAL CONTENT NOTES: Wood Fiber certified to be in conformance to SFI® 2022 Fiber Sourcing Standard. SFI® 2022 Chain-of-Custody for Wood Fibers available upon request. Supplier confirms use of sawmill residual chips sourced from sustainably managed forests in the Southeastern U.S. Although not classified as recycled, these residual chips are a manufacturing byproduct that supports circular economy principles by transforming wood waste into high-performance materials.		
This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.		

MICA

ID: 12001-26-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-08-21 15:00:05		
%: 1.0000 - 10.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-08-21 15:00:06		
%: 1.0000 - 10.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
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: Represents estimated retained water in product. GreenScreen Benchmark® assessment score of BM-4 was provided by the HPD Builder Tool.				

SILICA FUME

ID: 69012-64-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-08-21 15:00:03		
%: 0.0000 - 3.5000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	

CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Flame Retardants
SUBSTANCE NOTES: Potential component of Portland Cement, as per supplier documentation.		

PHOSPHORUS PENTOXIDE

ID: 1314-56-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-08-21 15:00:04

%		0.0000 - 1.0000		GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE		LIST NAME AND SOURCE			WARNINGS		
SKI		EU - GHS (H-Statements) Annex 6 Table 3-1			H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]		
EYE		GHS - New Zealand			Serious eye damage category 1		
EYE		GHS - Japan			H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]		
SKI		GHS - Japan			H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]		
SKI		GHS - Australia			H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]		
SKI		GHS - Korea			H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]		
SKI		GHS - New Zealand			Skin corrosion category 1B		
MAM		Québec CSST - WHMIS 1988			Class D1A - Very toxic material causing immediate and serious toxic effects		
MAM		GHS - Korea			H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]		
ADDITIONAL LISTINGS		LIST NAME AND SOURCE			NOTIFICATION		
RESTRICTED LIST		Green Science Policy Institute (GSPI)			GSPI - Six Classes Precautionary List Flame Retardants		
SUBSTANCE NOTES: Potential impurity of Fly Ash, as per supplier documentation.							

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	MAS Certified Green - VOC Emissions	
COMPLIANCE TYPE: Third-party certification	ISSUE DATE: 2026-08-18	EXPIRY DATE: 2027-08-18
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: MAS Certified Green		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE: Product Line		
APPLICABLE FACILITIES: Johns Creek, Georgia 30097 USA		
COMPLIANCE URL: https://tinyurl.com/2s4z44h8		
COMPLIANCE NOTES: Certificate No: MAS2600312. Certified Products: Architectural Wall Panels. Accredited Standards & Test Methods: California Dept. of Public Health Standard Method v1.2 (classroom & private office). Conforms with: Criteria of MAS Certified Green® Program (low-emitting materials); LEED v4.1 & v5.0 ID+C, BD+C (low-emitting materials); LEED TVOC Emissions at 14-days (0.5 mg/m3 or less); US-CHPS Criteria 2.0 (2020) EQ C6.1.6 (ceiling & wall systems).		

LCA	Environmental Product Declaration (EPD) by EPD International AB	
COMPLIANCE TYPE: Third Party	ISSUE DATE: 2024-10-28	EXPIRY DATE: 2029-10-27
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: EPD International AB		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE: Product Line		
APPLICABLE FACILITIES: Johns Creek, Georgia, 30097 USA		
COMPLIANCE URL: https://tinyurl.com/2cu4ajkz		
COMPLIANCE NOTES: EPD Number: EPD-IES-0011112. Type III EPD in accordance with ISO 14025, EN 15804+A2:2019/AC:2021, and EN 50693:2019. Product: Architectural Wall Panels. Functional Unit: 1 m2 of Architectural Wall Panel. Product Category Rules (PCR): Construction products, 2019:14, version 1.3.3 and UN CPC 314. External verification. GWP (A1-A3): 21.2 kg CO2-eq.		

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.

INSTALLATION HARDWARE
MANUFACTURER (OR GENERIC): Nichiha
HPD URL: No HPD available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Detailed information about installation hardware can be found at: https://www.nichiha.com/hardware-and-accessories/installation-hardware
FLASHING
MANUFACTURER (OR GENERIC): Nichiha
HPD URL: No HPD available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Detailed information about flashing accessories can be found at: https://www.nichiha.com/hardware-and-accessories/essential-flashing

METAL TRIM
MANUFACTURER (OR GENERIC): **Nichiha**

HPD URL: No HPD available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Detailed information about metal trim can be found at: <https://www.nichiha.com/hardware-and-accessories/metal-trim>

PANEL CORNERS
MANUFACTURER (OR GENERIC): **Nichiha**

HPD URL: No HPD available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Detailed information about panel corners can be found at: <https://www.nichiha.com/hardware-and-accessories/pre-finished-corners>

 Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: Nichiha USA	WEBSITE: https://www.nichiha.com/
ADDRESS: 6465 E Johns Crossing	CONTACT NAME: Vance Thomas
Suite 250	TITLE: Director of Warranty Technical Services
Johns Creek, GA 30097	PHONE: (678) 894-1382
COUNTRY: USA	EMAIL: vthomas@nichiha.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 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.