

HPD UNIQUE IDENTIFIER: 714975232

CLASSIFICATION: 32 14 13 Precast Concrete Unit Paving

PRODUCT DESCRIPTION: This HPD covers the following product lines from Techo-Bloc: Industria (100 mm, 3 15/16" thick), Sleek and Diamond paving products for outdoor applications. These paving products are a popular choice amongst landscape architects, designers, architects and engineers working with urban spaces, public parks, plazas, parking lots, museums and more. Homeowners will also be looking at these products for their patios and driveways. They are manufactured with Techo-Bloc's HD2 (High Definition and Density) technology for vibrant color and ultra-detailed technology. Industria paving products are manufactured in various nominal dimensions with the length and width varying between 150 mm (5 7/8") and 900 mm (35 7/16"). They are available in rectangular, square, and triangular shapes. There is one unit that even comes with truncated domes on its surface for ADA compliance. Sleek paving units are rectangular, and its nominal dimensions are 811 mm (31 15/16") long by 404 mm (15 7/8") wide. Its nominal thickness is 90 mm (3 9/16"). Diamond paving units are manufactured to 100 mm (3 15/16") thick and have nominal width and length of 156 mm (6 3/16") and 181 (7 1/8") respectively. All, Industria, Sleek and Diamond paving units comply with requirement from ASTM C936, ASTM C1782, ASTM C1944 and CSA A231.1/CSA231.2.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	
☐ Nested Materials Method	☐ 100 ppm	☐ Completed	<i>For all contents above the threshold, the manufacturer has:</i>
☒ Basic Method	☒ 1,000 ppm	☐ Partially Completed	Characterized ☒ Yes ☐ No
Threshold Disclosed Per	☐ Per GHS SDS	☒ Not Completed	<i>Provided weight and role.</i>
☐ Material	☐ Other	Explanation(s) provided :	Screened ☒ Yes ☐ No
☒ Product		☒ Yes ☐ No	<i>Provided screening results using HPDC-approved methods.</i>
			Identified ☒ Yes ☐ No
			<i>Provided name and CAS RN or other identifier.</i>

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

TECHO-BLOC HD2 CONCRETE PAVERS [CALCIUM CARBONATE
BM-3 | EYE SAND NoGS PORTLAND CEMENT LT-P1 | CAN | END |
MAM | EYE | SKI QUARTZ BM-1 | CAN | MAM | GEN IGNEOUS ROCK
MAGNESIUM CARBONATE BM-3dg GOETHITE NoGS
PHOSPHOGYPSUM BM-3dg | MAM LIME BM-2 | SKI | MAM | EYE
KAOLIN LT-UNK | CAN MAGNESIUM OXIDE BM-3dg | CAN | MAM
CALCIUM SULFATE DIHYDRATE LT-UNK | MAM]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special Conditions applied: [GeologicalMaterial]

The "Yes ex/SC" result applies only to materials and substances for which special conditions were applied and does not disqualify the product from the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1. This HPD was prepared using a Nested Materials Inventory with a product threshold of 1,000 ppm. Geological materials are reported under SCGeoMats/2023-07-20. All substances present in the product, including known residuals and impurities, are disclosed at or above 1,000 ppm (0.1%). Screening followed HPD Open Standard criteria, applying standard thresholds and exclusions consistent with LEED v4 requirements. Further details on the identification, quantification, and screening of residuals and impurities are provided in the relevant sections of this HPD to ensure transparency and compliance with both HPD and LEED v4 guidelines. Material variability due to natural geological sources is acknowledged, and weight percentage ranges have been applied to account for this variability.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method - Not tested

CONSISTENCY WITH OTHER PROGRAMS

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

Third Party Verified?

☐ Yes

☒ No

PREPARER: Vertima

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-09-24

PUBLISHED DATE: 2025-09-24

EXPIRY DATE: 2028-09-24

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No
RESIDUALS AND IMPURITIES NOTES: According to the supplier's information, some materials contain residuals, which are declared in this HPD.	
OTHER PRODUCT NOTES: The weight percentage range is used to account for product variability and/or to maintain the confidentiality of the material composition in the manufacturing process.	

ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:44	
%: 41.9000 - 49.4400	GreenScreen: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.				

ID: 308075-07-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:45	
%: 20.0000 - 40.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Abrasion resistance
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: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:45	
?: 6.0000 - 26.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Binder
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: According to the supplier's information, and in line with OSHA HCS (29 CFR 1910.1200) and Canada's WHMIS 2015, this material may cause severe skin burns and serious eye damage (Category 1, H314/H318), may cause skin sensitization (Category 1, H317), may cause respiratory irritation (Category 3, H335), may cause cancer if inhaled (Category 1A, H350), and may cause serious damage to organs through prolonged or repeated inhalation exposure (Category 1, H372).

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:46	
?: 0.0000 - 3.9600	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler

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: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.

IGNEOUS ROCK

ID: Geological Material

HAZARD DATA SOURCE: HPDC Special Conditions Policy				
%: 0.0000 - 2.9600	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				

INGREDIENT DESCRIPTION AND COMPOSITION: Igneous rock with a complex, non-siliceous mineralogical composition.
COUNTRY OF ORIGIN: Canada
RADIOACTIVE ELEMENTS: Unknown
POTENTIAL PRESENCE OF TOXIC METALS: Unknown
MATERIAL CONTENT NOTES: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.
This disclosure does not provide potential presence of radioactive elements which may be found in certain geological materials.
This disclosure does not provide potential presence of toxic metals which may be found in certain geological materials.

MAGNESIUM CARBONATE				ID: 546-93-0
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:46	
%: 0.0000 - 2.4700	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.				

GOETHITE				ID: 1310-14-1
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:45	
%: 0.0000 - 1.3300	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.				

PHOSPHOGYPSUM				ID: 13397-24-5
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-09-24 12:06:46		

%: 0.0000 - 0.7500		GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Binder
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: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.					

LIME

ID: 1305-78-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:47		
%: 0.0400 - 0.5100		GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
SKI	GHS - Australia		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
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 - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]		
SKI	GHS - New Zealand		Skin corrosion category 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		H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]		
EYE	GHS - Australia		H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List		
			Antimicrobials		
SUBSTANCE NOTES: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.					

KAOLIN

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:47	
%: 0.0000 - 0.4400	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.				

MAGNESIUM OXIDE			ID: 1309-48-4	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:48	
%: 0.0000 - 0.3000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
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: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.				

CALCIUM SULFATE DIHYDRATE				ID: 10101-41-4
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-24 12:06:47	
%: 0.0000 - 0.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Accelerator
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: According to the supplier's information, this material does not contain recycled content. The weight percentage range is used to account for product variability.

Section 3: Certifications and 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 - Not tested	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2025-09-23 00:00:00	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND 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.

No accessories are required for this product.

Section 5: General Notes

Further information can be found at <https://www.techo-bloc.com/commercial>.

MANUFACTURER INFORMATION

MANUFACTURER: **Techo-Bloc**
ADDRESS: **5255 Rue Albert-Millichamp**
Saint-Hubert, Quebec J3Y 8Z8
COUNTRY: **Canada**

WEBSITE: **<https://www.techo-bloc.com/>**
CONTACT NAME: **Lincoln J. Paiva, P.Eng., MBA**
TITLE: **Director - Engineering**
PHONE: **1-877-832-4625**
EMAIL: **lincoln.paiva@techo-bloc.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

