

NG SLIM PORCELAIN TILES

by NG Kütahya Seramik

SCREENING DATE: 2026-06-09
PUBLISHED DATE: 2026-06-16
EXPIRY DATE: 2029-06-09
PREPARER: Self-Prepared

Health Product
Declaration v3.0

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 19462689792
HPD UNIQUE PRODUCT ID: TR-1982-690721000000
CLASSIFICATION: 09 30 13 Ceramic Tiling
PRODUCT TYPE: Porcelain (Tile)

PRODUCT DESCRIPTION: NG SLIM is a large-format porcelain tile designed for interior and exterior wall and facade applications. The product has a thickness range of 3–6 mm and a weight of 7–16 kg/m². It is manufactured through a high-temperature firing process (1200–1215°C), resulting in a dense and vitrified ceramic structure. This provides low water absorption, high mechanical strength, and long-term durability. The product is resistant to chemicals, alkalis, and UV exposure, maintaining its surface properties over time. NG SLIM is suitable for residential and commercial applications.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
→ Nested Materials Method	Completed in 2 of 2 Materials	
Threshold Disclosed Per	Explanation(s) provided for Residuals/Impurities?	Characterized Yes
→ Product	Yes	Provided weight and role. Yes
Threshold Level		Screened Yes
→ 1,000 ppm		Provided screening results using HPDC-approved methods. No
		Identified 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

BODY [FELDSPAR LT-UNK | MAM KAOLIN CLAY (PRIMARY CASRN IS 1332-58-7) LT-UNK | CAN KAOLIN LT-UNK | CAN QUARTZ BM-1 * | CAN | MAM | GEN CALCIUM CARBONATE BM-3 | EYE] GLAZE [FRITS, CHEMICALS (UNLEADED) LT-P1 | MUL POTASSIUM ALUMINUM SILICATE NoGS WOLLASTONITE LT-UNK KAOLIN CLAY (PRIMARY CASRN IS 1332-58-7) LT-UNK | CAN QUARTZ BM-1 | CAN | MAM | GEN DOLOMITE NoGS KAOLIN LT-UNK | CAN FELDSPAR POWDER NoGS ZINC OXIDE BM-1 | END | MUL | AQU | MAM | REP ZIRCONIUM DIOXIDE LT-P1 | CAN | EYE ALUMINUM OXIDE BM-2 | CAN | MAM MAGNESITE NoGS PENTASODIUM TRIPHOSPHATE LT-UNK | EYE EDIFAS B LT-UNK | AQU]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The ceramic tile consists of a body and glaze layer composed primarily of mineral-based raw materials such as clay (kaolinite), feldspar, quartz, and calcite in the body, and frits, mineral additives, and functional agents in the glaze. The raw materials are mixed with water to form a homogeneous slurry. The body slurry is spray-dried to obtain granules suitable for pressing, which are then shaped under high pressure to form the green body. The glaze is prepared separately using frits, opacifiers, fluxes, and processing additives such as dispersants and binders (e.g., STPP and CMC) to achieve desired surface properties. The glaze is applied onto the body prior to firing. The product is fired at high temperatures (approximately 1200–1215°C), resulting in a vitrified, dense, and mechanically stable ceramic structure. During firing, organic additives are decomposed and mineral phases are transformed into a stable and inert matrix. All substances have been evaluated based on available composition data and Safety Data Sheets (SDS). No substances are present above the reporting threshold of 0.1% (1000 ppm), and any potential impurities are considered to be present only at trace levels and are not intentionally added.

*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: UL/GreenGuard Certified

VOC emissions: UL/GreenGuard Gold Certified

Management: ISO 9001:2015 Quality management systems

Management: ISO 45001:2018 Occupational health and safety management systems

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.

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

BODY		%: 90.0000 - 95.0000	
PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Ceramic
RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present above the reporting threshold of 0.1% (1000 ppm) in the final fired ceramic body. Based on internal assessments, the high-temperature firing process (approximately 1200–1215°C) results in a dense and stable ceramic matrix. Any trace elements potentially originating from natural raw materials such as clay and minerals are present at negligible levels and remain below the reporting threshold. These substances are not intentionally added.			
OTHER MATERIAL NOTES: The ceramic body consists of naturally occurring mineral raw materials including clay, kaolin, feldspar, quartz, and carbonate-based minerals etc. These materials function as fillers and fluxes that provide the structural framework, dimensional stability, and mechanical properties of the ceramic product. During firing, the body undergoes vitrification, forming a dense and durable ceramic matrix that is chemically stable and inert.			

FELDSPAR			ID: 68476-25-5	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:10	
%: 40.0000 - 55.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Flux
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
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: Feldspar is a naturally occurring aluminosilicate mineral used as a flux in ceramic formulations. It promotes vitrification during firing by lowering the melting temperature and enhancing the development of the ceramic matrix.				

KAOLIN CLAY (PRIMARY CASRN IS 1332-58-7)				ID: Undisclosed
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:11	
%: 20.0000 - 35.0000	GreenScreen: LT-UNK	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	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	

SUBSTANCE NOTES: Kaolinite (clay) functions as a structural component in the ceramic body, providing plasticity and shape stability during forming. It contributes to microstructure development during firing and enhances the mechanical strength and integrity of the final product.

KAOLIN

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-06-09 4:36:11

%: 15.0000 - 25.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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: Kaolin is a naturally occurring aluminosilicate clay used as a primary ceramic raw material. It contributes to the plasticity, shaping characteristics, and mechanical properties of the ceramic body during manufacturing.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-06-09 4:36:12

%: 3.0000 - 10.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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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: Quartz is a naturally occurring crystalline silica mineral used as a filler in ceramic formulations. It provides dimensional stability, mechanical strength, and contributes to the overall performance of the ceramic body during firing.

**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.

CALCIUM CARBONATE				ID: 471-34-1
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:13	
%: 1.0000 - 4.0000	GreenScreen: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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: Calcite is a naturally occurring calcium carbonate mineral used as a filler in ceramic formulations. It contributes to the physical properties of the ceramic body and supports the development of desired characteristics during firing.		

GLAZE	%: 5.0000 - 10.0000	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Ceramic
RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present above the reporting threshold of 0.1% (1000 ppm) in the final glaze layer. The firing process ensures vitrification and chemical stabilization of all constituents, forming a durable and inert surface. Any trace substances potentially originating from raw materials are present at levels below the reporting threshold and are not intentionally added.		
OTHER MATERIAL NOTES: The glaze layer consists of frits, mineral additives, and functional agents such as opacifiers, fluxes, and processing additives including dispersants and binders (e.g., zircon, zinc oxide, STPP, and CMC). During firing, the glaze forms a continuous glassy phase that is chemically stable and inert. The final glaze surface is non-hazardous under normal conditions of use, and all substances are present below the reportable threshold of 0.1% (1000 ppm).		

FRITS, CHEMICALS (UNLEADED)				ID: 65997-18-4
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:10	
%: 10.0000 - 72.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Flux
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025		
		Electronics (RoHS)		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026		
		Cosmetics & Personal Care Products		
SUBSTANCE NOTES: Frits are used to control glaze composition more precisely, reduce the solubility of certain raw materials, and make glazes more stable and safer to handle. They also help lower the melting temperature and improve consistency during firing.				

POTASSIUM ALUMINUM SILICATE				ID: 12251-44-4
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:11		
%: 7.0000 - 20.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Flux
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: Potassium feldspar is a naturally occurring aluminosilicate mineral used as a flux in ceramic glaze formulations. It promotes melting and vitrification during firing, contributing to glaze development, surface quality, and durability.

WOLLASTONITE

ID: 13983-17-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:12		
%: 1.0000 - 15.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Matting agent
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: Wollastonite (calcium silicate) is used in glaze formulations as a matting agent to control surface finish by influencing crystallization and melt viscosity during firing. It contributes to the development of matte or semi-matte surfaces and enhances mechanical strength and thermal stability of the glaze.

KAOLIN CLAY (PRIMARY CASRN IS 1332-58-7)

ID: 12198-85-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:13		
%: 1.0000 - 13.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Processing regulator
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: Kaolinite (clay) functions as a processing regulator in the glaze formulation, improving slurry stability, controlling rheological properties, and preventing particle sedimentation. It ensures homogeneous distribution and consistent application during processing.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:13		
%: 4.0000 - 10.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Glaze

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: Quartz in glazing acts as a glass former, helping the glaze melt and create a smooth, glassy surface during firing. Quartz also contributes to hardness and chemical durability, making the glaze more resistant to wear and corrosion. However, too much quartz can increase the melting temperature and may lead to defects like crazing or poor glaze fit.

DOLOMITE

ID: 16389-88-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:10	
%: 0.1000 - 10.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Matting agent
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: Naturally occurring calcium magnesium carbonate mineral used as a filler to support glaze development, stability, and surface performance during firing.

KAOLIN

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:11	
%: 1.0000 - 8.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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: Naturally occurring clay mineral used as a filler to improve glaze application properties and contribute to glaze stability and durability.

FELDSPAR POWDER

ID: 12168-80-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:12	
%: 5.0000 - 8.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Flux
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: Naturally occurring mineral used as a flux to reduce melting temperature and support vitrification in ceramic glaze systems.

ZINC OXIDE

ID: 1314-13-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-09 4:36:13	
%: 0.5000 - 7.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Flux

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
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
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Flame Retardants

SUBSTANCE NOTES: Inorganic compound used as a flux to support glaze formation and enhance surface durability and performance.

%: 0.1000 - 5.0000		GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Opacifier
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
CAN		MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
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:					

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:11		
%: 1.0000 - 5.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 2 - Considered to be carcinogenic for man	
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]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
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: Inorganic oxide used as a filler to improve glaze durability, hardness, and surface performance.				

MAGNESITE

ID: 13717-00-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:11		
%: 0.1000 - 5.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Matting agent
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: Magnesite is a naturally occurring magnesium carbonate mineral used in ceramic glaze formulations. It serves as a source of magnesium oxide, contributing to glaze stability, surface characteristics, and firing performance.		

PENTASODIUM TRIPHOSPHATE

ID: 7758-29-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:12		
%: 0.1000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Processing regulator
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: Pentasodium triphosphate is used as a processing aid in ceramic glaze formulations. It functions as a dispersing agent to improve suspension stability, reduce slurry viscosity, and enhance processing efficiency during manufacturing.				

EDIFAS B

ID: 9004-32-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-06-09 4:36:13		
%: 0.1000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
AQU	GHS - New Zealand		Hazardous to the aquatic environment - chronic category 3	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)		
		Chelating Agents - Green Circle (Verified Low Concern)		
SUBSTANCE NOTES: Carboxymethyl cellulose (CMC) is used as a binder in ceramic glaze formulations. It improves adhesion, suspension stability, and application properties during manufacturing and is decomposed during firing.				

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 Certified	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: UL Solutions - GREENGUARD Certification - Certificate No: 413594-410 COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: NG Kütahya Seramik production facilities in Kütahya, Türkiye COMPLIANCE URL: https://ngkutahyaseramik.com.tr/uploads/2025/10/22/porcelain-tile-ng-slim-greenguard-certification.pdf COMPLIANCE NOTES: This product is GREENGUARD certified under UL 2818 for low chemical emissions. The certification applies to NG Slim porcelain tiles manufactured by NG Kütahya Seramik. Testing was conducted in accordance with UL 2821 and complies with emission limits for indoor air quality.	ISSUE DATE: 2025-10-21	EXPIRY DATE: 2026-10-21
VOC EMISSIONS	UL/GreenGuard Gold Certified	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: UL Solutions - GREENGUARD Gold Certification - Certificate No: 413594-420 COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: NG Kütahya Seramik production facilities in Kütahya, Türkiye COMPLIANCE URL: https://ngkutahyaseramik.com.tr/uploads/2025/10/22/porcelain-tile-ng-slim-greenguard-gold-certification.pdf COMPLIANCE NOTES: This product is GREENGUARD Gold certified under UL 2818 for low chemical emissions. The certification applies to NG Slim porcelain tiles manufactured by NG Kütahya Seramik. Tested in accordance with UL 2821 and compliant with stricter indoor air quality emission limits, including CDPH Standard Method v1.2.	ISSUE DATE: 2025-10-21	EXPIRY DATE: 2026-10-21
MANAGEMENT	ISO 9001:2015 Quality management systems	

COMPLIANCE TYPE: Third-party certification

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: TSE

(Turkish Standards Institution), IQNet recognized

COMPLIANCE DETAILS:

COMPLIANCE SCOPE: Company-wide

APPLICABLE FACILITIES: All manufacturing facilities

listed in the certificate (Kütahya plants: Umut, Fayans,

Granit, Yer 1, Yer 2)

COMPLIANCE URL:

https://ngkutahyaseramik.com.tr/uploads/2025/09/26/kalite-

yonetim-sistemi-belgesi-2025-iqnet.pdf

COMPLIANCE NOTES: The organization is certified to ISO

9001:2015 Quality Management System by TSE, with

international recognition through IQNet. The certification

applies to all relevant manufacturing facilities and confirms

the implementation and maintenance of a consistent and

effective quality management system across the

organization.

ISSUE DATE: 2025-09-11

EXPIRY DATE: 2027-06-06

MANAGEMENT

ISO 45001:2018 Occupational health and safety management systems

COMPLIANCE TYPE: Third-party certification

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: TSE

(Turkish Standards Institution), IQNet recognized

COMPLIANCE DETAILS:

COMPLIANCE SCOPE: Company-wide

APPLICABLE FACILITIES: All manufacturing facilities

covered under the certificate (Umut, Fayans, Granit, Yer 1

and Yer 2 plants, Kütahya, Türkiye)

COMPLIANCE URL:

https://ngkutahyaseramik.com.tr/uploads/2025/10/30/isg-

yonetim-sistemi-belgesi-2025-iqnet.pdf

COMPLIANCE NOTES: The organization is certified to ISO

45001:2018 Occupational Health and Safety Management

System by TSE, with international recognition through

IQNet. The certification applies to all relevant manufacturing

facilities and confirms the implementation and maintenance

of a structured system to manage occupational health and

safety risks and improve workplace safety performance

across the organization.

ISSUE DATE: 2024-09-24

EXPIRY DATE: 2027-06-21

MANAGEMENT

ISO 14001:2015 - Environmental management systems

COMPLIANCE TYPE: Third-party certification

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: TSE

(Turkish Standards Institution), IQNet recognized

COMPLIANCE DETAILS:

COMPLIANCE SCOPE: Product Line

APPLICABLE FACILITIES: All manufacturing facilities

covered under the certificate (Umut, Fayans, Granit, Yer 1

and Yer 2 plants, Kütahya, Türkiye)

COMPLIANCE URL:

https://ngkutahyaseramik.com.tr/uploads/2025/10/30/cevre-

yonetim-sistemi-belgesi-2025-iqnet.pdf

COMPLIANCE NOTES: The organization is certified to ISO

14001:2015 Environmental Management System by TSE,

with international recognition through IQNet. The

certification applies to all relevant manufacturing facilities

and confirms the implementation and maintenance of a

systematic approach to managing environmental impacts,

ensuring regulatory compliance, and promoting continuous

environmental performance improvement across the

organization.

ISSUE DATE: 2025-09-17

EXPIRY DATE: 2027-06-22

LCA	Environmental Product Declaration (EPD) by EPD International AB	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: IES – International EPD System (Program Operator) COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: NG Kütahya Seramik production facilities in Kütahya, Türkiye COMPLIANCE URL: https://ngkutahyaseramik.com.tr/uploads/2025/12/09/ng-slim-6-mm-epd-document-epd-ies-0025736-001-en.pdf COMPLIANCE NOTES: This product has an EPD (Environmental Product Declaration) in accordance with EN 15804. The EPD applies to NG Slim 3 mm porcelain tiles manufactured by NG Kütahya Seramik in Türkiye. The declaration includes a cradle-to-gate life cycle assessment and has been third-party verified under the International EPD System (IES).	ISSUE DATE: 2025-11-30	EXPIRY DATE: 2026-11-29

LCA	Environmental Product Declaration (EPD) by EPD International AB	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: International EPD System (EPD International AB) COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: NG Kütahya Seramik production facilities in Kütahya, Türkiye COMPLIANCE URL: https://ngkutahyaseramik.com.tr/uploads/2025/12/09/ng-slim-3-mm-epd-document-epd-ies-0025735-001-en.pdf COMPLIANCE NOTES: This product is covered by an Environmental Product Declaration (EPD) in accordance with EN 15804. The EPD applies to NG Slim (3 mm) porcelain tiles manufactured by NG Kütahya Seramik in Türkiye. The declaration is third-party verified under the International EPD System (EPD-IES-0025735).	ISSUE DATE: 2025-11-30	EXPIRY DATE: 2026-11-29

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

NG Slim redefines modern surface solutions with its exceptional combination of strength, elegance, and performance. Designed for exterior façades and furniture cladding, setting a new standard in contemporary architecture. Its lightweight structure ensures fast and efficient installation, while delivering superior resistance to UV exposure, frost, water, scratches, chemicals, and fire. Engineered for year-round performance, NG Slim also features anti-graffiti properties, making it ideal for demanding urban environments where easy maintenance is essential. With excellent dimensional stability, flexibility, and minimal structural load, NG Slim offers both technical efficiency and refined aesthetics. Its ease of cutting and application provides added versatility, making it a preferred choice for architects, designers, and installers alike. The product is available in two thickness options: 3 mm and 6 mm.

MANUFACTURER INFORMATION

MANUFACTURER: **NG Kütahya Seramik**
ADDRESS: **Çalca OSB Mah.4.Cad.No:5 Merkez / Kütahya**
Kütahya, Kütahya 43001
COUNTRY: **Turkey**

WEBSITE: **www.ngkutahyaseramik.com.tr/en**
CONTACT NAME: **Büşra Adıgüzel**
TITLE: **Quality Management Systems Manager**
PHONE: **+90 274 225 12 00**
EMAIL: **busraadiguzel@ngkutahyaseramik.com.tr**

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.