



## Emission Classification of Building Materials

### THESIZE SURFACES S.L.

The classification committee appointed by Rakennustietosäätiö RTS sr has approved product:

### NEOLITH

to Emission Class M1. The classification is valid until **21.04.2028**.

THESIZE SURFACES S.L. has the right to mark its classified products with the classification label and to use the classification label in the marketing of these products. The classification decision is based on documents Classification of Indoor Environment 2018, and Emission Classification of Building Materials, General rules.

### Rakennustieto Oy

**Laura Apilo**  
Chief Executive Officer

**Hanna Leppänen**  
Secretary of the Classification  
Committee

**RAKENNUSTIETO**

Rakennustieto Oy

Malminkatu 16 A, FI-00100 Helsinki | tel. +358 45 490 0747 | m1@rakennustieto.fi | ymparisto.rakennustieto.fi

HPD UNIQUE IDENTIFIER: 73881777152

CLASSIFICATION: 12 36 00 Countertops

PRODUCT DESCRIPTION: NEOLITH® belongs to a new and revolutionary product category born in the last decade with the aim of providing an innovative response to most demanding architectural and design demands. NEOLITH® does not belong to what is traditionally known as “ceramics” or “porcelain”, it is rather an extreme evolution of these ones to the extent of creating a new kind of surface previously inexistent. NEOLITH® makes part and is pioneer of the Sintered Stones. It's performance has been tried, tested and trusted, Neolith's combination of realism, high performance and versatile formats make it a go-to material for architects, designers, specifiers and fabricators. Neolith is the optimum surfacing material for both indoor and outdoor applications. From a countertop as main product to a skyscraper facade, Neolith's physical and mechanical characteristics deliver ultimate performance, unmatched beauty and long-term value.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<b>Inventory Reporting Format</b>	<b>Threshold Level</b>	<b>Residuals/Impurities Evaluation</b>	<i>For all contents above the threshold, the manufacturer has:</i>
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	<b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role.</i>
<b>Threshold Disclosed Per</b>	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	<b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<b>Explanation(s) provided :</b>	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> 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  
NEOLITH [ FELDSPAR LT-UNK ] MAM CLAY NoGS ZIRCON (ZR(SIO4))  
BM-2 UNDISCLOSED BM-1 CAN | MAM CHROMIUM IRON OXIDE LT-  
P1 SKI UNDISCLOSED LT-UNK C.I. PIGMENT BLUE 72 LT-1 CAN |  
RES | GEN UNDISCLOSED LT-UNK UNDISCLOSED BM-1  
UNDISCLOSED LT-UNK UNDISCLOSED NoGS ]

Number of Greenscreen BM-4/BM3 contents ... 0  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ...  
BM-1, LT-P1, LT-1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This disclosure includes ingredients at the 100 ppm threshold following HPD Standard. Exact ingredient percentages are withheld as THESIZE SURFACES, S.L. Intellectual Property.

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: UL/GreenGuard Gold Certified  
VOC emissions: Emission Classification of Building Materials - M1  
FOOD CONTACT: ANSI/NSF 51-2012 Food equipment materials  
Recycled content: ISO 14021:1999 Environmental labels and declarations

CONSISTENCY WITH OTHER PROGRAMS

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

Third Party Verified? <input type="radio"/> Yes <input checked="" type="radio"/> No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2024-05-08 PUBLISHED DATE: 2024-05-08 EXPIRY DATE: 2027-05-08
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EcoVadis  
Sustainability Rating

# INTERNATIONAL DESIGN SURFACES GROUP SA (NEOLITH GROUP)

INTERNATIONAL DESIGN SURFACES GROUP SA (NEOLITH GROUP) has earned a **Gold Medal**, a recognition awarded to the **Top 5%** of companies assessed by **EcoVadis** in the 12 months prior to the medal issue date. It reflects the quality of the company's sustainability management system and demonstrates a commitment to promoting transparency throughout the value chain.

[Learn more about EcoVadis Medals & Badges.](#)


[EcoVadis](#) is recognized globally for trusted business sustainability ratings.



valid through **enero 2025**

## Evaluation areas

 Environment

 Labor and human rights

 Ethics

 Sustainable procurement

EcoVadis medals and badges recognize companies that have completed the EcoVadis assessment process and demonstrated a relatively strong management system that addresses sustainability criteria, as outlined in the [EcoVadis methodology](#).

An EcoVadis medal or badge **is NOT a certification** or an endorsement of a company or its products or services, and it does not indicate that the company's products or services are specifically sustainable or more sustainable than another company's products or services.

# CERTIFICATE OF COMPLIANCE



## THESIZE Surfaces, SL Neolith

21156-410

Certificate Number

23 Feb 2012 - 23 Feb 2025

Certificate Period

Certified

Status

UL 2818 - 2022 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Wall finishes are determined compliant using an Office Environment with an air change of  $0.68 \text{ hr}^{-1}$  and a loading of  $33.40 \text{ m}^2$ .

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.



*UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.*

## GREENGUARD Certification Criteria for Building Products and Interior Finishes

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC <sup>(A)</sup>	-	0.50	mg/m <sup>3</sup>
Formaldehyde	50-00-0	61.3 (50 ppb)	µg/m <sup>3</sup>
Total Aldehydes <sup>(B)</sup>	-	0.10	ppm
Particle Matter less than 10 µm <sup>(C)</sup>	-	50	µg/m <sup>3</sup>
4-Phenylcyclohexene	4994-16-5	6.5	µg/m <sup>3</sup>
Individual VOCs <sup>(D)</sup>	-	1/10th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C<sub>6</sub> – C<sub>16</sub> range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD (0.50 mg/m<sup>3</sup>) fall in the range of 0.5 mg/m<sup>3</sup> or less, as specified in CDPH Standard Method v1.2.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.
- (D) Allowable levels for chemicals not listed are derived from 1/10th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



# Declare.



## NEOLITH THESIZE SURFACES, S.L.

**Final Assembly:** Almazora, Castellón, España

**Life Expectancy:** 25 Year(s)

**Embodied Carbon:** 1,62E+00 kg CO2 eq

**Declared Unit:** 1 kg of Neolith Product

**End of Life Options:** Landfill (100%)

### Ingredients:

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**NEOLITH:** Feldspar; Clays; Zircon (Zr(SiO<sub>4</sub>)); Chromium iron oxide; C.I. Pigment Blue 72; Undisclosed (< 0.3%)<sup>1</sup>; Undisclosed (< 0.3%)<sup>1</sup>; Undisclosed (< 0.2%)<sup>1</sup>; Undisclosed (< 0.2%)<sup>1</sup>

<sup>1</sup>LBC Temp Exception RL-004b - Proprietary Ingredients in Declare

**Living Building Challenge Criteria:** Compliant

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### I-13 Red List:

- |   |                             |
|---|-----------------------------|
| <input type="checkbox"/> LBC Red List Free                | % Disclosed: 99% at 100ppm  |
| <input checked="" type="checkbox"/> LBC Red List Approved | VOC Content: Not Applicable |
| <input type="checkbox"/> Declared                         |                             |

**I-10 Interior Performance:** Not Applicable

**I-14 Responsible Sourcing:** Not Applicable

NEO-0001

EXP. 01 JUN 2025

Original Issue Date: 2022