

CLASSIFICATION: Finishes: 09 51 00 - Acoustical Ceilings

created via: HPDC Online Builder

PRODUCT DESCRIPTION: The StarSilent Panel is a sound absorbing panel that is made up of post-consumer recycled, crushed glass and coated with sound permeable plasters. This environmentally friendly product allows designers to achieve a seamless, gypsum board look with sound absorbing qualities. It can be used in many configurations where gypsum board is typically employed, including curved surfaces of any radius, and on compound curves. StarSilent Panels are attached to rigid metal framing with zinc coated drywall screws. The edges of the panels are glued together using StarSilent Fix, which is also spread over the screw heads. After light sanding, StarSilent Panels are first coated with StarSilent Base Coat Plaster, and StarSilent Finish Coat Plaster is then applied to achieve a smooth, seamless, sound absorbing plaster wall or ceiling. This HPD covers the 25 mm StarSilent Panel. StarSilent Acoustical Plaster System may also include the following MasterFormat: 09 51 13.00 Finishes: Acoustical Panel Ceilings.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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.

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

STAR SILENT PANEL (25 MM) [GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) LT-UNK FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT (FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT) LT-UNK POLY(VINYL ALCOHOL) LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK SILICA, AMORPHOUS LT-P1 | CAN]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen
Benchmark or List translator Score..... LT-P1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1, 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. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1). Substances not listed as "Identified" are those considered proprietary to suppliers, and therefore are "Undisclosed" in this HPD.

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/EHLB/SM V1.1, 2010 (CA 01350)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-01-12

PUBLISHED DATE: 2018-01-12

EXPIRY DATE: 2021-01-12

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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

STARSILENT PANEL (25 MM)

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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 disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER PRODUCT NOTES: Percent by weight of substances reported as range in order to further protect the proprietary nature of this formulation.

GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)

ID: 65997-17-3

#: **95.0000 - 97.5000** GS: **LT-UNK** RC: **PostC** NANO: **No** ROLE: **Panel Core: Raw Material, Substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Panel Core consists of 100% post-consumer recycled crushed glass. Identified on the US EPA Safer Chemical Ingredients List.

FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT (FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT)

ID: 65997-17-3

#: **2.0000 - 3.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Acoustical Fleece: Substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

POLY(VINYL ALCOHOL)

ID: 9002-89-5

#: **1.0000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Acoustical Fleece: Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredients List.

UNDISCLOSED

%: 0.1000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: Acoustical Fleece: Resin
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

UNDISCLOSED

%: 0.1000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: Acoustical Fleece: Binder
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

UNDISCLOSED

%: 0.0100 - 0.1000	GS: LT-UNK	RC: None	NANO: No	ROLE: Acoustical Fleece: Fiber
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

SILICA, AMORPHOUSID: **7631-86-9**

%: Impurity/Residual	GS: LT-P1	RC: None	NANO: No	ROLE: Impurity/Residual
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	Japan - GHS Carcinogenicity - Category 1A

SUBSTANCE NOTES: Listed by Pharos CML as known or potential residual of CASRN 65997-17-3 [Glass / Mineral Fiber (post-consumer recycled) and SOLID GLASS and GLASS / MINERAL FIBER). Type: Reactant; Frequency: Integral (known); Percentage: Unknown.


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/EHLB/SM V1.1, 2010 (CA 01350)

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2016-03-

EXPIRY DATE:

CERTIFIER OR LAB: UL Environment

APPLICABLE FACILITIES: All

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CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: UL Environment report #: 17976-07. Testing was conducted in small environmental chambers followings the principles of ASTM D 5116 with the defined product specific test protocols and IAQ emission requirements of CDPH/EHLB/Standard Method V1.1 (February 2010) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers (aka CA Section 01350). The product "Starsilent ATEC 25mm Acoustic Board" meets the IAQ emission requirement of CA Section 01350.

+ 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.

STARSILENT FIX

HPD URL: <https://www.hpd-collaborative.org/hpd-public-repository/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Adhesive used during installation of StarSilent Acoustical System.

STARSILENT BASE COAT PLASTER

HPD URL: <https://www.hpd-collaborative.org/hpd-public-repository/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Installation of StarSilent Acoustical System.

STARSILENT FINISH COAT PLASTER

HPD URL: <https://www.hpd-collaborative.org/hpd-public-repository/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Installation of StarSilent Acoustical System.

+ Section 5: General Notes

Pyrok's StarSilent® Acoustical System is a smooth, seamless, sound absorbing, durable finish for walls and ceilings. The StarSilent System utilizes sound panels composed of approximately 96% post-consumer recycled crushed glass. The panels are attached to rigid metal framing with zinc coated drywall screws, and the edges of the panels are glued together using StarSilent Fix Adhesive, which is also spread over the screw heads. The StarSilent Fix Adhesive requires overnight drying, with minimum temperatures maintained at 50 degrees Fahrenheit or higher. After light sanding, the panels are coated first with the StarSilent Base Coat Plaster, and then the StarSilent Finish Coat Plaster is applied to achieve smooth, seamless, sound absorbing, durable plaster finish system for walls and ceilings.



MANUFACTURER INFORMATION

MANUFACTURER: **Pyrok, Inc.**
ADDRESS: **121 Sunset Road**
Mamaroneck NY 10543, USA
WEBSITE: **www.starsilent.com**

CONTACT NAME: **Howard Podolsky**
TITLE: **Owner**
PHONE: **914-777-7070**
EMAIL: **howard@pyrok.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

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.