

CLASSIFICATION: 095100

created via: HPDC Online Builder

PRODUCT DESCRIPTION: THE SMOOTHEST FINISH MINERAL FIBER CEILING AVAILABLE WITH TOTAL ACOUSTICS™ PERFORMANCE – EXCELLENT NOISE REDUCTION AND SOUND BLOCKING IN ONE PRODUCT.

**Section 1: Summary**

**CONTENT INVENTORY**

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

- Residuals and impurities considered in 0 of 1 materials
- see Section 2: Material Notes
  - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input type="radio"/>	<input checked="" type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**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**

CALLA CEILINGS [ MINERAL WOOL (BIOINSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT) **LT-UNK** | CAN PERLITE **LT-UNK** | CELLULOSE PULP **UNK** | STARCH **LT-UNK** | KAOLIN CLAY **LT-UNK** | CAN LIMESTONE; CALCIUM CARBONATE **LT-UNK** | ALUMINA TRIHYDRATE **BM-2** | RES POLY(VINYL ALCOHOL) **LT-UNK** | UNDISCLOSED **UNK** | MELAMINE CYANURATE **BM-1** | ETHYLENE COPOLYMER **UNK** | FIBERGLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ?18 % BY WEIGHT **LT-UNK** | CALCIUM CARBONATE **BM-3** | TANIUM DIOXIDE **LT-1** | CAN POLYVINYL ACETATE (PVA) **LT-UNK** | STARCH, PHOSPHATE **LT-UNK** | QUARTZ **LT-1** | CAN FATTY ACIDS **UNK** | FLUX-CALCINED DIATOMACEOUS EARTH **LT-UNK** | KAOLIN, CALCINED **LT-UNK** ]

Number of Greenscreen BM-4/BM3 contents..... 1  
Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1  
Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 1000ppm.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

VOC emissions: VOC Certificate to meet CDPH  
LCA: Environmental Product Declaration  
Other: Declare for Calla

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: February 27, 2017	EXPIRY DATE*: February 27, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: February 28, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### CALLA CEILINGS

%: 100.0000 - 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

MINERAL WOOL (BIOINSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE ID: 65997-17-3  
CONTENT GREATER THAN 18 % BY WEIGHT)

%: 50.0000 - 75.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Core

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES: Mineral fiber is not classified as a carcinogen by IARC, NTP, CA Proposition 65 or OSHA. The R40 and H351 phrases below are triggered by a special provision "Note Q", found only in the EU's CLP Regulation and for which the applicability to the provided products is neither certain nor adopted by the manufacturer. The world's leading institute on carcinogen classification, the International Agency for Research on Cancer (IARC) has determined that there is insufficient evidence to classify this material as carcinogenic. The EU's CLP Regulation focused on creating criteria to characterize biosolubility, but did not provide data to support a causal relationship between the EU test method and actual carcinogenicity.

### PERLITE

ID: 93763-70-3

%: 10.0000 - 25.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Filler

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### CELLULOSE PULP

ID: 65996-61-4

%: 1.0000 - 10.0000

GS: UNK

RC: None

NANO: NO

ROLE: Binder

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**STARCH**

ID: 9005-25-8

%: 1.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Core
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**KAOLIN CLAY**

ID: 1332-58-7

%: 1.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Kaolin clay used in this product in not regulated as a hazardous substance. MAK denotes German occupational exposure.

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

%: 1.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

%: 1.0000 - 5.0000	GS: BM-2	RC: None	NANO: NO	ROLE: Fire Retardant
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Aluminum trihydrate is bound within this product. IT is not in a respirable form in the final product.

**POLY(VINYL ALCOHOL)**

ID: 9002-89-5

%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**UNDISCLOSED**

%: 0.1000 - 0.5000

GS: UNK

RC: UNK

NANO: NO

ROLE: Ingredient in Facing

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This ingredient has been screened against all HPDv2 Priority Hazard Lists and is free of any chemicals of concern.

**MELAMINE CYANURATE**

ID: 37640-57-6

%: 0.1000 - 5.0000

GS: BM-1

RC: None

NANO: NO

ROLE: Adhesive

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**ETHYLENE COPOLYMER**

ID: 26713-18-8

%: 0.1000 - 5.0000

GS: UNK

RC: None

NANO: NO

ROLE: Adhesive

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

%: 0.1000 - 5.0000      GS: LT-UNK      RC: Both      NANO: NO      ROLE: Fiber Core

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**CALCIUM CARBONATE**

ID: 471-34-1

%: 0.0100 - 1.0000      GS: BM-3      RC: None      NANO: NO      ROLE: Filler

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**TITANIUM DIOXIDE**

ID: 13463-67-7

%: 0.0100 - 1.0000      GS: LT-1      RC: None      NANO: NO      ROLE: Pigment

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Titanium Dioxide is bound within the coating and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

**POLYVINYL ACETATE (PVA)**

ID: 9003-20-7

%: 0.0100 - 0.1000      GS: LT-UNK      RC: None      NANO: NO      ROLE: Binder

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

STARCH, PHOSPHATE

ID: 11120-02-8

%: 0.0100 - 1.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

QUARTZ

ID: 14808-60-7

%: 0.0100 - 1.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Filler

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1: Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: Quartz is bound within the coating and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

FATTY ACIDS

ID: 68424-16-3

%: 0.0100 - 1.0000

GS: UNK

RC: None

NANO: NO

ROLE: Surfactant

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

FLUX-CALCINED DIATOMACEOUS EARTH

ID: 68855-54-9

%: 0.0100 - 1.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Filler

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:****KAOLIN, CALCINED**

ID: 92704-41-1

%: 0.0100 - 1.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:****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**

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES:

CERTIFICATE URL: <https://www.armstrongceilings.com/pdbupimages-clg/209847.pdf/download/voc-certificate-of-compliance-calla.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

**VOC Certificate to meet CDPH**

ISSUE

EXPIRY

CERTIFIER OR LAB:

DATE: 2016-05-26

DATE: 2018-05-26

Berkeley Analytical

**LCA**

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: all

CERTIFICATE URL: <https://www.armstrongceilings.com/pdbupimages-clg/210567.pdf/download/calla-ceiling-panels-epd.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

**Environmental Product Declaration**

ISSUE

EXPIRY

CERTIFIER OR LAB:

DATE: 2016-03-31

DATE: 2020-03-31

UL Environment

**OTHER**

CERTIFYING PARTY: Second Party

APPLICABLE FACILITIES: all

CERTIFICATE URL: <https://access.living-future.org/calla%C2%AE-ceiling-panels>

CERTIFICATION AND COMPLIANCE NOTES:

**Declare for Calla**

ISSUE DATE: 2016-04-01

EXPIRY DATE: 2017-04-01

CERTIFIER OR LAB: ILFI

**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.

**ARMSTRONG SUSPENSION SYSTEMS**HPD URL: <https://www.armstrongceilings.com/commercial/en-us/suspension-systems/ceiling-grid.html>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: All Armstrong Ceiling Panels can be installed with a suspension grid system for a complete ceiling solution.

**Section 5: General Notes**

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, Armstrong World Industries expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings or criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at [www.armstrongceilings.com](http://www.armstrongceilings.com), as well as by the additional ingredient information provided for specified substances.





## MANUFACTURER INFORMATION

MANUFACTURER: Armstrong World Industries

CONTACT NAME: Armstrong Technical Services

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Lancaster, PA 17603  
USA

TITLE: Techline

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## 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) BM-2  
Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**LT-UNK** List Translator Benchmark Unknown (insufficient  
information from List Translator lists to benchmark)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** Unknown (no data on List Translator Lists)

### 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

**Nano** Composed of nanoscale particles or nanotechnology

### Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.