

CLASSIFICATION: 05 10 00 METALS: STRUCTURAL METAL FRAMING

PRODUCT DESCRIPTION: SURE-BOARD® HAS A GYPSUM BOARD FACING THAT INTEGRATES WITH STANDARD GYPSUM BOARD FOR A SMOOTH UNINTERRUPTED FINISH. SURE-BOARD® REQUIRES NO LEVELING AND IS READY FOR FINISHES. SURE-BOARD® LAYS FLAT ON THE STUD SURFACE WITH NO SAGGING, LEAVING NO SURFACE IRREGULARITIES. WHEN SURE-BOARD® IS USED, THERE IS NO NEED FOR ADDITIONAL STRUCTURAL SHEATHING OR TENSION STRAP BRACES, REQUIRING COSTLY AND LABORIOUS PRE AND POST TENSIONING. SURE-BOARD® SERIES 200 STRUCTURAL PANELS CONSIST OF 1/2", 5/8" OR 3/4" (12.7, 15.9 OR 19.1 MM) THICK SQUARE OR TAPERED-EDGE TYPE X OR TYPE C FIRE RATED GYPSUM WALLBOARD OR WATER RESISTANT CORE SHEATHING COMPLYING WITH ASTM C 1369, AS WELL AS GLASSMAT GYPSUM SUBSTRATE COMPLYING WITH ASTM C 1177, AND FIBER REINFORCED GYPSUM PANELS COMPLYING WITH ASTM C 1278; LAMINATED WITH WATER SOLUBLE ADHESIVE TO STEEL SHEET. STEEL THICKNESSES AVAILABLE: 33 MIL WITH G40, G60 OR G90 COATING; 43 MIL, 54 MIL, 68 MIL, 97 MIL AND 118 MIL WITH G60 OR G90 COATING. THIS HPD COVERS SURE-BOARD® SERIES 200 AND SURE-BOARD® SERIES 200B PRODUCTS USING PAPER-FACED GYPSUM BOARD ONLY.

Section 1: Summary

CONTENT INVENTORY

<p>Threshold per material</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Per OSHA MSDS <input checked="" type="radio"/> Other 	<p>Residuals and impurities considered in 3 of 3 materials</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> see Section 2: Material Notes <input checked="" type="radio"/> see Section 5: General Notes 	<p>Based on the selected Content Inventory Threshold:</p> <p>Characterized..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are the Percent Weight and Role provided for all substances?</p> <p>Screened..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are all substances screened using Priority Hazard Lists with results disclosed?</p> <p>Identified..... <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Are all substances disclosed by Name (Specific or Generic) and Identifier?</p>
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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

GYPSUM BOARD [GYPSUM **LT-UNK** CELLULOSE, MICROCRYSTALLINE **UNK** WATER **BM-4** CALCIUM SULFATE DIHYDRATE **LT-UNK** QUARTZ **LT-1** | CAN VERMICULITE **UNK** STARCH **LT-UNK** NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT **LT-UNK** STYRENE BUTADIENE RUBBER (SBR) **LT-UNK**] **HOT-DIPPED GALVANIZED STEEL** [STEEL **UNK** ZINC **LT-P1** | AQU | MUL | PHY] **ADHESIVE** [**UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-UNK** WATER **BM-4** **UNDISCLOSED** **LT-1** | CAN | MUL **UNDISCLOSED** **LT-UNK**]

Number of Greenscreen BM-4/BM3 contents..... 2
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.0, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) for Galvanized Steel, and at or above 100 ppm for the Adhesive, which together represent ~30-40% of the finished product. As Sure-Board® Series 200/200B Structural Panels can be manufactured with gypsum wallboard from various suppliers, the material content information provided for Gypsum Board is based on that available via the Quartz Common Product Database for "Drywall (Natural Gypsum)". HPDs that include information specific to a particular brand/type of Gypsum Board may be available in the future.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

Multi-attribute: Environmental Product Declaration
Other: UES Evaluation Report (ER-0126)

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: February 20, 2017	EXPIRY DATE*: February 20, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: February 20, 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 and www.greenscreenchemicals.org.

GYPSUM BOARD

%: 61.7000 - 74.1000

HPD URL:

Inventory Threshold: Other

Residuals Considered: Yes

Material Notes: Sure-Board® Series 200/200B Structural Panels can be manufactured with gypsum wallboard from various suppliers; thus, the substances for Gypsum Board are disclosed to 1000 ppm based on information provided by Quartz Common Product Database for "Drywall (Natural Gypsum)". Residuals/Impurities that are known or expected to be present above this threshold have been disclosed, based on information provided by Quartz Database. An industry-wide Environmental Product Declaration (Type III EPD) for "Typical (5/8" Type X) North American Gypsum Boards" is available at: www.gypsum.org/wp-content/uploads/2013/12/Gypsum-2014-FINAL-May-13-.pdf

GYPSUM

ID: 13397-24-5

%: 88.1000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

%: 4.4000

GS: UNK

RC: None

NANO: NO

ROLE: Paper

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Listed by Quartz Database as "Waste Paper" from cardboard boxes, newspapers, and kraft cuttings.

WATER

ID: 7732-18-5

%: 3.2000

GS: BM-4

RC: None

NANO: NO

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Moisture content of finished product = 3.3% per Athena 2011.

CALCIUM SULFATE DIHYDRATE

ID: 10101-41-4

%: 1.9000 GS: LT-UNK RC: None NANO: NO ROLE: Filler, Accelerator

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

QUARTZ

ID: 14808-60-7

%: Impurity/Residual GS: LT-1 RC: None NANO: NO ROLE: Impurity/Residual

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:

VERMICULITE

ID: 1318-00-9

%: 0.5000 GS: UNK RC: None NANO: NO ROLE: Fire Resistance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Listed as standard ingredient in regular wallboard by Athena 2011.

STARCH

ID: 9005-25-8

%: 0.4000 GS: LT-UNK RC: None NANO: NO ROLE: Accelerator, Binder, Edge Paste

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

%: 0.3000 GS: LT-UNK RC: None NANO: NO ROLE: Dispersant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: From Quartz Database: Formaldehyde polymer, calcium salt, Formaldehyde-based, percentages are of dispersant formulation and will need to be adjusted; "The naphthalenesulfonate dispersant is present in an amount of about 0.1%-0.3% by weight based on the weight of dry stucco." (USG patent)

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

%: 0.2000 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 Database lists as "Polymer Latex", and states the following: "SBR is a representative material stand in for things described as SBR latex, latex, or acrylic. There is variation of the exact polymer used between manufacturers."

HOT-DIPPED GALVANIZED STEEL

%: 25.9000 - 38.3000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Steel is considered a Generic Commodity Material by the Health Product Declaration Collaborative. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including Metal Alloys such as steel. This HPD will be updated as appropriate when the guidelines for Steel are released. No residuals or impurities are known or expected to be present in this material above the inventory threshold indicated. Steel is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML), with no known hazardous impurities (Quartz Database). Passivation coatings for corrosion resistance are an industry standard for this type of material; however, the substances used for such coatings fall below the inventory threshold declared for the material, and are therefore not reported here.

STEEL

ID: 12597-69-2

%: 90.0000 - 99.9000 GS: UNK RC: Both NANO: NO ROLE: Base Metal

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Consists of 36.9% Recycled Content, including 14.4% Pre-Consumer and 19.8% Post-Consumer Recycled Steel.

ZINC

ID: 7440-66-6

%: 0.1500 - 9.1000 GS: LT-P1 RC: None NANO: NO ROLE: Metallic Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: These form-specific hazards are not expected to apply once the product is in place. However, exposure to particulates and/or fumes may be possible during installation (e.g. from grinding, sawing, welding, etc.) See most current Safety Data Sheet (SDS) for more information.

ADHESIVE

%: 1.4000 - 2.1000

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes: No Residuals/Impurities are known or expected to be present at or above the Inventory Threshold listed, based on Supplier Disclosure Letter.

UNDISCLOSED

%: 80.0000 - 90.0000 GS: LT-UNK RC: None NANO: NO ROLE: Polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CAS number in confidentiality; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

%: 10.0000 - 15.0000 GS: LT-UNK RC: None NANO: NO ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CAS number in confidentiality; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

WATER

ID: 7732-18-5

%: 1.0000 - 5.0000 GS: BM-4 RC: None NANO: NO ROLE: Diluent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.1000 - 0.5000 GS: LT-1 RC: None NANO: NO ROLE: Raw Material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	EU - R-phrases	R45 - May cause cancer
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Supplier has shared substance name and CAS number in confidentiality; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

%: 0.0100 - 0.0500 GS: LT-UNK RC: None NANO: NO ROLE: Raw Material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CAS number in confidentiality; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.



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.

MULTI-ATTRIBUTE

Environmental Product Declaration

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: City of Industry, CA; Pittsburg, CA; Denver, CO; Forth Worth, TX
CERTIFICATE URL:

www.cemcosteel.com/sites/default/files/CEMCOs%20Environmental%20Product%20Declaration_EPD.pdf
CERTIFICATION AND COMPLIANCE NOTES: Declaration number: 4787356941.101.1. Environmental Product Declaration covers the following CEMCO Cold-Formed Steel Framing Systems, including: Structural Stud and Track (ICC-ES ESR 3016); ViperStud® Interior Framing (ICC-ES ESR 2620 & ATI-ES 0154); ProX Header® (IAPMO ER-0286); SureBoard® for Shear Panels (IAPMO ER- 0126); Sure-Span® Floor Joist Framing System (ESR PENDING); CST, SLP-TRK®, and FAS Track® 1000 Brand Slotted Tracks (ICC-ES ESR 2012); USG SHAFTWALL Brand CH and H-Stud Studs and Track (AER 09038); Expanded Metal Lath Products (ICC-ES ESR 1623); Plastering Accessories (ICC-ES ESR 1623); Drywall/Interior Accessories (ICC-ES ESR 3016); Connectors, Clips, and Channels (ICC-ES ESR 3016).

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-07-13	2021-07-13	UL Environment

OTHER

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: City of Industry, CA 91746; Pittsburg, CA 94565; Denver, CO 80204; Fort Worth, TX 76140

CERTIFICATE URL: http://www.iapmoes.org/Documents/ER_0126.pdf

CERTIFICATION AND COMPLIANCE NOTES: IAPMO ER-0126. Scope of Evaluation includes compliance to the following codes & regulations: 2015, 2012, and 2009 International Building Code® (IBC); 2015, 2012, and 2009 International Residential Code® (IRC); 2016 and 2013 California Building Code® (CBC). Evaluated in accordance with EC 003-2016. Properties assessed: Structural.

UES Evaluation Report (ER-0126)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-10-03	2017-02-28	Uniform Evaluation Service

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.

FASTENERS

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used to attach Sure-Board® Structural Panels to Framing. See IAPMO ER-0126 report for specific fastener requirements: http://www.iapmoes.org/Documents/ER_0126.pdf

Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: CEMCO

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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) | 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) | UNK 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

- 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.