

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

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

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

Residuals/Impurities

Residuals/Impurities
Considered in 3 of 3 Materials

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?

Threshold Disclosed Per

- Material
- Product

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 NoGS WATER
BM-4 CALCIUM SULFATE DIHYDRATE LT-UNK VERMICULITE NoGS STARCH LT-UNK
NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT LT-P1
STYRENE BUTADIENE RUBBER (SBR) LT-UNK] HOT-DIPPED GALVANIZED STEEL [
STEEL NoGS ZINC LT-P1 | AQU | PHY | END | MUL] 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 2.1.1, 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 ~25-40% 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 Common Product Profile for "Drywall (Natural Gypsum)" (Pharos CML). HPDs that include information specific to a particular brand/type of Gypsum Board may be available in the future. Substances not "Identified" are those considered proprietary to suppliers, or are those without a registered identifier.

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 Standard Method – Not tested
Multi-attribute: Environmental Product Declaration
Other: UES Evaluation Report (ER-0126)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-10-10

PUBLISHED DATE: 2018-10-22

EXPIRY DATE: 2021-10-10



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

GYPSUM BOARD

%: 61.7000 - 74.1000

HPD URL:

MATERIAL THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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 from the Common Product Profile for "Drywall (Natural Gypsum)" (Pharos CML).

OTHER 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 the Common Product Profile for "Drywall (Natural Gypsum)" (Pharos CML). 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 - 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 - 4.4000

GS: NoGS

RC: UNK

NANO: No

ROLE: Paper

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

WATER

ID: 7732-18-5

%: 3.2000 - 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. GreenScreen Benchmark® score of BM-4 was provided by the HPD Builder Tool.

CALCIUM SULFATE DIHYDRATE

ID: 10101-41-4

%: 1.9000 - 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:

VERMICULITE

ID: 1318-00-9

%: **0.5000 - 0.5000** GS: **NoGS** 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 - 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:

NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT

ID: 37293-74-6

%: **0.3000 - 0.3000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Dispersant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

%: **0.2000 - 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:

MATERIAL THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier SDS and as predicted by process chemistry (Pharos CML). However, supplier SDS states the following: "All commercial steel products may contain small amounts of various elements in addition to those specified. These small quantities (less than 0.1%) may exist as intentional additions, or as "trace" or "residual" elements that generally originate in the raw materials used. These elements may include: aluminum, antimony, arsenic, boron, cadmium, calcium, chromium, cobalt, columbium, copper, lead, molybdenum, nickel, silicon, tin, titanium, vanadium, and zirconium."

OTHER MATERIAL NOTES: Passivation coatings for corrosion resistance are an industry standard for this type of material; however, the substances

STEEL

ID: 12597-69-2

GS: NoGS	RC: Both	NANO: No	ROLE: Base Metal
HAZARDS:	AGENCY(I)ES WITH WARNINGS:		
None Found	No warnings found on HPD Priority lists		

SUBSTANCE NOTES: CEMCO steel framing products contain 30% to 37% pre- and post-consumer recycled steel sourced from several domestic (USA) suppliers. 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 these guidelines become available. Supplier reports the following composition of alloying elements: max 0.9% Manganese (7439-96-5; LT-P1); max 0.6% Carbon (7440-44-0; LT-UNK); max 0.6% Silicon (7440- 21-3; LT-UNK); max 0.5% Copper (7440-50-8; LT-UNK); max 0.15% Phosphorus (8049-19-2; NoGS); max 0.1% Calcium (7440-70-2; LT-P1).

ZINC

ID: 7440-66-6

GS: LT-P1	RC: None	NANO: No	ROLE: Metallic Coating
HAZARDS:	AGENCY(I)ES WITH WARNINGS:		
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life	
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects	
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	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters	

SUBSTANCE NOTES: Form-specific hazards not expected to apply to the finished and installed product; however, further processing (e.g. welding, sawing, etc) during installation may release fumes or other respirable particles. The Safety Data Sheet (SDS) for Galvanized Sheet Steel can be found at <http://cemcosteel.com/cemco-submittal-creator>.

ADHESIVE

%: 1.4000 - 2.1000

HPD URL:

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were “Considered”, as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letter.

OTHER MATERIAL NOTES:

UNDISCLOSED

GS: LT-UNK	RC: None	NANO: No	ROLE: Polymer
HAZARDS:	AGENCY(I)ES 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; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

UNDISCLOSED

GS: LT-UNK	RC: None	NANO: No	ROLE: Plasticizer
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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; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder 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 - 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

CANCER Australia - GHS H350 - May cause cancer

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

UNDISCLOSED

%: **0.0100 - 0.0500** 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 CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder 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.

VOC EMISSIONS

CDPH Standard Method – Not tested

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2018-10-01

EXPIRY DATE:

CERTIFIER OR LAB: N/A

APPLICABLE FACILITIES: N/A

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: This product has not been tested for VOC emissions in its final state. However, steel meets LEED® criteria for an “inherently non-emitting source”. Adhesive supplier states VOC content is 0.4% by weight. Gypsum Board is available that is CDPH Standard Method compliant.

MULTI-ATTRIBUTE

Environmental Product Declaration

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.cemcosteel.com/sites/default/files/CEMCOs%20Environmental%20Product%20Declaration_EPD.pdf

ISSUE DATE: 2016-07-13

EXPIRY DATE: 2021-07-13

CERTIFIER OR LAB: UL

LAB: UL

Environment

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).

OTHER

UES Evaluation Report (ER-0126)

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

ISSUE DATE: 2016-10-03

EXPIRY DATE: 2017-02-28

CERTIFIER OR LAB: Uniform Evaluation Service

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.

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**
ADDRESS: **13191 Crossroads Pkwy. North**
Suite 325
City of Industry CA 91746, USA
WEBSITE: **www.cemcosteel.com**

CONTACT NAME: **Fernando Sesma**
TITLE: **Director of Technical Services**
PHONE: **800.416.2278**
EMAIL: **fsesma@cemcosteel.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.