

CLASSIFICATION: 05 10 00 METALS: STRUCTURAL METAL FRAMING

PRODUCT DESCRIPTION: SURE-BOARD® SERIES 200W FOR STEEL FRAMING AND SERIES 200W FOR WOOD FRAMING ARE STEEL SHEET AND MEDIUM DENSITY FIBERBOARD (MDF) COMPOSITE PRODUCTS THAT ARE INSTALLED ON STEEL OR WOOD FRAMED SHEAR WALLS AT POINTS REQUIRING SHEAR. SURE-BOARD® ELIMINATES USE OF EXCESS MATERIALS AND LABOR, WHICH LOWERS COST AND INCREASES PERFORMANCE. LATERAL AND ELASTIC DISPLACEMENT AT ALLOWABLE VALUES ARE SIGNIFICANTLY LESS USING SURE-BOARD® SERIES 200W FOR WOOD FRAME CONSTRUCTION. ON EXTERIOR WALLS, THE USE OF SURE-BOARD® SERIES 200W GUARANTEES YOUR EXTERIOR PLASTER WILL MAINTAIN A CONSISTENT THICKNESS WITHOUT ADDITIONAL FURRING. ALL TESTING FOR SURE-BOARD® SERIES 200W WAS PERFORMED USING ASTM E 2126 SPD REVERSE CYCLIC TEST PROTOCOL. THE STEEL SHEET IS NO. 22 GAUGE/0.027" (0.686 MM) MINIMUM BASE-METAL THICKNESS, COMPLYING WITH ASTM A 653 CS, GRADE 33, AND IS PROVIDED WITH G40 MINIMUM HOT-DIPPED GALVANIZED COATING CONFORMING WITH ASTM A924. THIS HPD COVERS SURE-BOARD® SERIES 200W PRODUCTS USING 1/8" MDF ONLY.

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 3 of 3 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.

Number of Greenscreen BM-4/BM3 contents..... 1
 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 ~70-80% of the finished product. As Sure-Board® Series 200W Structural Panels can be manufactured with medium density fiberboard (MDF) from various suppliers, the material content information provided for the 1/8" MDF is based on that available via the Quartz Common Product Database. HPDs that include information specific to a particular brand/type of MDF may be available in the future.

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

HOT-DIPPED GALVANIZED STEEL [STEEL UNK
 ZINC LT-P1 | AQU | MUL | PHY] MEDIUM DENSITY
 FIBERBOARD (MDF) [WOOD FIBER - UNSPECIFIED
 UNK UREA FORMALDEHYDE LT-UNK | RES
 PARAFFIN LT-UNK UREA LT-UNK FORMALDEHYDE
 LT-1 | MAM | SKI | CAN | RES | GEN | MUL | END]
 ADHESIVE [UNDISCLOSED LT-UNK UNDISCLOSED
 LT-UNK WATER BM-4 UNDISCLOSED LT-1 | CAN |
 MUL UNDISCLOSED LT-UNK]

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 7, 2017	EXPIRY DATE*: February 7, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: March 2, 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.

HOT-DIPPED GALVANIZED STEEL

#: 73.6000

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

#: 90.9000 - 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: CEMCO cold-formed steel framing products contain 30% to 35% pre- and post-consumer recycled steel sourced from several domestic (USA) suppliers.

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.

MEDIUM DENSITY FIBERBOARD (MDF)

%: 22.3000

HPD URL:

Inventory Threshold: Other

Residuals Considered: Yes

Material Notes: As Sure-Board® Series 200W Structural Panels can be manufactured with medium density fiberboard (MDF) from various suppliers, substances for MDF are disclosed to 1000 ppm based on information provided by Quartz Common Product Database.

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 (EPD) for MDF can be found at:

www.awc.org/pdf/greenbuilding/epd/AWC-EPD-MDF-1311.pdf

WOOD FIBER - UNSPECIFIED

ID:

%: 89.1000

GS: UNK

RC: None

NANO: NO

ROLE: Substrate

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UREA FORMALDEHYDE

ID: 9011-05-6

%: 10.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder Resin

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

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Quartz Project lists the Respiratory hazard as "occupational only".

PARAFFIN

ID: 8002-74-2

%: 0.6000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Water Resistance

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UREA

ID: 57-13-6

%: 0.1600

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder Component;
Formaldehyde Scavenger**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
MAMMALIAN	EU - R-phrases	R24 - Toxic in Contact with Skin
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

ADHESIVE

%: 4.1000

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
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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 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

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).

Environmental Product Declaration

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

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
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.

ISSUE	EXPIRY	CERTIFIER OR
DATE:	DATE:	LAB: Uniform
2016-10-03	2017-02-28	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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TITLE: Director of Technical Services

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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.