

**CLASSIFICATION:** 09 22 16 Finishes: Non-Structural Metal Framing

**PRODUCT DESCRIPTION:** The ViperStud® Drywall Framing System offers all the benefits of conventional flat steel studs with a design that performs even better. ViperStuds and ViperTracks consist of 100% hot-dip galvanized steel, and are used for framing of interior nonload-bearing composite and non-composite walls. ViperTracks® are fabricated in 1-5/8", 2-1/2", 3-5/8", 4", and 6" widths with 1-1/4" legs from standard G40 hot-dipped galvanized steel. ViperStuds® are fabricated in 1-5/8", 2-1/2", 3-5/8", 4", and 6" widths from standard G40 hot-dipped galvanized steel; G60 and G90 coatings are available upon request. VIPER 25, VIPER18 MIL, VIPER20 (.0181 MIN), VIPER 30MIL, and VIPER 33MIL manufactured by CEMCO received an evaluation report (CCRR-0154) from ATI Evaluation Services and an evaluation report (ESR-2620) from ICC Evaluation Service (ICC-ES), providing evidence that the ViperStud Drywall Framing System meets code requirements. ViperStud Drywall Nonstructural Framing Members & Accessories Material Specification (ASTM) A1003/A653/A924; Product Specification (ASTM) C645; Coating Specification (ASTM) A1003/A653/A924; Installation (ASTM) C754. All CEMCO products are manufactured in the USA at one of our four state-of-the-art production facilities strategically located in four major metropolitan markets to ensure that service and quality requirements are met. Also includes the following CSI MasterFormat: 09 21 16.23 Finishes: Gypsum Board Shaft Wall Assemblies.

**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

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No

*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No

*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No

*All substances disclosed by Name (Specific or Generic) and Identifier.*

**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](#)

[VIPERSTUD & VIPERTRACK](#) | [STEEL](#) | [NoGS](#) | [ZINC](#) | [LT-P1](#) | [AQU](#) | [PHY](#) | [END](#) | [MUL](#) ]

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 2.1.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

**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: Inherently non-emitting source per LEED®

Multi-attribute: Environmental Product Declaration (EPD) by UL

Other: ICC-ES Evaluation Report

**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: 2019-11-13

PUBLISHED DATE: 2019-11-13

EXPIRY DATE: 2022-11-13



## 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)*

### VIPERSTUD & VIPERTRACK

PRODUCT 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 PRODUCT NOTES: Standard G40 hot-dipped galvanized steel. 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 (0.1% or 1000 ppm) of the material, and are therefore not reported here.

**STEEL**

ID: 12597-69-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-11-13**%: **96.30 - 98.30**GS: **NoGS**RC: **Both**NANO: **No**ROLE: **Base Metal**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: CEMCO cold-formed 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. 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-11-13**%: **1.70 - 3.70**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Metallic Coating**

HAZARD TYPE

AGENCY AND LIST TITLES

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>.

## 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

Inherently non-emitting source per LEED®

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2018-10-01

EXPIRY DATE:

CERTIFIER OR LAB: N/A

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

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: As per LEED: "Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants."

### MULTI-ATTRIBUTE

Environmental Product Declaration (EPD) by UL

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](http://www.cemcosteel.com/sites/default/files/CEMCOs%20Environmental%20Product%20Declaration_EPD.pdf)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-07-13	2021-07-13	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); 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

ICC-ES Evaluation Report

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.icc-](http://www.icc-es.org/reports/pdf_files/ESR-2620.pdf)

[es.org/reports/pdf\\_files/ESR-2620.pdf](http://www.icc-es.org/reports/pdf_files/ESR-2620.pdf)

ISSUE DATE: 2017-07-01

EXPIRY DATE: 2020-07-01

CERTIFIER OR LAB: ICC Evaluation Service

CERTIFICATION AND COMPLIANCE NOTES: ESR-2620. Evaluation Subject: ViperStud Drywall Framing System (Nonload-Bearing): Viper25, Viper 20, Viper 18mil, Viper 27mil, Viper 30mil, Viper 33mil. Evaluation Scope includes compliance with the following codes: 2012, 2015 International Building Code® (IBC); 2015 International Residential Code® (IRC); 2010 Florida Building Code—Building; 2010 Florida Building Code—Residential.

## 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.

### GYPSUM WALLBOARD

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

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

For installation of drywall framing system. According to ICC-ES ESR-2620: "Gypsum wallboard must be a minimum of 5/8 inch (15.9 mm) thick and Type X, complying with ASTM C1396 and manufactured by one of the following companies: American Gypsum; CertainTeed; Georgia Pacific; Lafarge; National Gypsum; Temple-Inland; or USG." Several domestic (USA) gypsum wallboard suppliers have published HPDs available for their products; see HPD Public Repository for more information and to download gypsum wallboard HPDs.

### FASTENERS

HPD URL: No HPD available

Fasteners for attaching the gypsum wallboard to the studs and tracks. According to ICC-ES ESR 2620: "must be No. 6, Type S, fine thread drywall bugle head screws conforming to ASTM C1002."

## Section 5: General Notes

**MANUFACTURER INFORMATION**

MANUFACTURER: **CEMCO**  
 ADDRESS: **13191 Crossroads Pkwy. North**  
**Suite 325**  
**City of Industry CA 91846, 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**

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

**GreenScreen (GS)**

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