

CLASSIFICATION: 09 22 16.00 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 (.0195 MIN), VIPER20 (.0209 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. 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

CONTENT INVENTORY

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

- Residuals and impurities considered in 1 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.

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 2.0, 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).

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

HOT-DIPPED GALVANIZED STEEL (G40) | STEEL UNK
ZINC LT-P1 | AQU | RES | PHY]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

Other: ICC-ES Evaluation Report
 Multi-attribute: Environmental Product Declaration

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: December 1, 2016	EXPIRY DATE*: December 1, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: December 1, 2016	* 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 (G40)

%: 100.0000

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. 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

%: 96.3000 - 98.3000

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

%: 1.7000 - 3.7000

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

RESPIRATORY

AOEC - Asthmagens

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

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

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: 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-specifications>.

**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.

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: www.icc-es.org/reports/pdf_files/ESR-2620.pdf
 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.

ISSUE	EXPIRY	CERTIFIER OR
DATE:	DATE:	LAB: ICC
2015-07-01	2017-07-01	Evaluation Service

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® P P Interior Framing (ICC-ES ESR 2620 & ATI-ES 0154); ProX Header® P P (IAPMO ER-0286); SureBoard® P P for Shear panels (IAPMO ER-0126); Sure-Span® P P Floor Joist Framing System (ESR PENDING); CST, SLP-TRK® P P, and FAS Track® P P 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	EXPIRY	CERTIFIER
DATE:	DATE:	OR LAB:
2016-07-13	2021-07-13	UL Environment

+ 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: See Other Notes (Below)

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."

FASTENERS

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: 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

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Suite 325
City of Industry, CA 91746
USA

WEBSITE: www.cemcosteel.com

CONTACT NAME: Fernando Sesma

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) | 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.