

**CLASSIFICATION:** 05 40 00 Metals (beams): Cold-Formed Metal Framing

**PRODUCT DESCRIPTION:** ProX Header® is a superior header system that provides a winning combination of simple code compliance, easy member selection, and fast installation. ProX Header is a light gauge steel header that provides horizontal and vertical load support. This pre-engineered metal framing component is designed as a 1- or 2-piece steel header that can be used in lieu of 4- or 5-piece built-up (stud and track) headers in both interior and exterior applications, including door and window openings. It also works at any framed opening in the wall, such as HVAC openings and other wall penetrations. ProX Header Clips are internal and connect horizontal to vertical members, which leaves a smooth framing substrate for the drywall and finishing trades. The ProX Header is made of 33 to 68 mil galvanized steel with a standard G60 coating, and complies with industry standard ASTM performance criteria for metal stud framing: ASTM C645, A653/A653M, C754 (installation & storage), A924/A924M, A1003/A1003M/E119; IAPMO ER-0286; IBC 2012/2015 and CBC 2013 Code Compliant. ProX Header® is a registered trademark of Brady Innovations, LLC. This HPD covers ProX Header (Outer), ProX Header (Insert), and ProX Header Clips.

**Section 1: Summary**

**Basic Method / Product 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**

- Considered
- Partially Considered
- Not Considered

*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

Explanation(s) provided for Residuals/Impurities?  
 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.

[MATERIAL](#) | [SUBSTANCE](#) | [RESIDUAL OR IMPURITY](#)  
[GREENSCREEN SCORE](#) | [HAZARD TYPE](#)  
[PROX HEADER](#) [ [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, as well as the role and percent by weight. 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: UES 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: 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### PROX HEADER

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 G60 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

%: 97.4000 - 98.7000      GS: NoGS      RC: Both      NANO: No      ROLE: Base Metal

HAZARDS:	AGENCY(IES) 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. 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

%: 1.3000 - 2.6000      GS: LT-P1      RC: None      NANO: No      ROLE: Metallic Coating

HAZARDS:	AGENCY(IES) 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) 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: 2016-07-13

EXPIRY DATE: 2019-07-13

CERTIFIER OR 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

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\\_0286.pdf](http://www.iapmoes.org/Documents/ER_0286.pdf)

ISSUE DATE: 2013-05-20

EXPIRY DATE: 2019-05-31

CERTIFIER OR LAB: Uniform Evaluation Service

CERTIFICATION AND COMPLIANCE NOTES: IAPMO ER-286. Scope of Evaluation includes compliance to the following codes & regulations: 2012 International Building Code® (IBC); 2013 California Building Code® (CBC). Evaluated in accordance with: ICC-ES AC261; ICC-ES AC46. 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.

### STEEL STUD SUPPORTS (JAMB STUDS)

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

According to IAPMO ER-286: "Located on both ends of the header, on each side of the wall opening the ProX Header shall be supported by steel jamb studs. The steel jamb stud thickness and grade of steel shall equal or exceed the ProX Header member properties, with the exception of jamb studs supporting 68-mil-thick (1.73 mm) ProX Headers, which may be minimum 54 mils (1.37 mm) thick. The vertical jamb stud may be installed as a single (wide flange) jamb stud, double jamb stud or triple jamb stud system. The load capacity and jamb stud system used shall be designed, and installation shall be in accordance with the IBC."

### FASTENERS

HPD URL: No HPD available

According to IAPMO ER-286: "Fasteners used in this system shall be self- drilling sheet metal screws complying with ASTM C1513 or listed in an evaluation report issued by an approved and accredited evaluation service agency. The No. 8 screws shall have minimum shear and tensile allowable loads of 344 pounds (1.53 kN) and 118 pounds (0.52 kN), respectively. The No. 10 screws shall have minimum shear and tensile allowable loads of 370 pounds (1.64 kN) and 137 pounds (0.61 kN), respectively."

## 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**

<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.*