ProX Header ®
by CEMCO

Health Product Declaration v2.0

created via: HPDC Online Builder

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

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..... Are the Percent Weight and Role provided for all substances?	◉ Yes	○ No
Screened..... Are all substances screened using Priority Hazard Lists with results disclosed?	◉ Yes	○ No
Identified..... 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.

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

HOT-DIPPED GALVANIZED STEEL (G60) [STEEL UNK
ZINC LT-P1 | AQU | RES | PHY]

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, 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
Other: UES Evaluation Report
Multi-attribute: Environmental Product Declaration

See Section 3 for additional listings.

◉ Self-Published*	VERIFIER:	SCREENING DATE: December 1, 2016	EXPIRY DATE*: December 1, 2019
○ 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 (G60) **%: 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. 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

%: 97.4000 - 98.7000	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

%: 1.3000 - 2.6000	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
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

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 **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: www.iapmoes.org/Documents/ER_0286.pdf
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.

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2013-05-20	2017-05-31	Uniform Evaluation Service

MULTI-ATTRIBUTE

Environmental Product Declaration

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).

ISSUE DATE:	EXPIRY DATE:	CERTIFIER 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.

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**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: 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

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: CEMCO

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists 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 nal 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 veri er are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.