

HPD UNIQUE IDENTIFIER: 27755

CLASSIFICATION: 05 31 00 Steel Decking

PRODUCT DESCRIPTION: Uncoated AEP Span Profiles. This reflects cold rolled products (steel without a metallic coating or paint finish) AEP Span manufactures roof and siding profiles using roll forming, press break, and folder operations. As this product is untreated or coated, cold rolled products are typically used in applications where the end user desires a naturally rusting appearance. The manufacturing process forms coiled steel into various product shapes but does not alter the material ingredient composition of the product. As a result the underlying substrate determines the contents of the product subject to screening. This HPD covers the assessment of the following AEP Span Products: 22-3/4", 30-3/16", 37", 37-1/2", 42-15/16", 46", 48", 48-3/8" Flat Sheets in 18-29 gauge, Box Rib™/Reversed Box Rib in 18-29 gauge, Design Span® hp 12", 16", 17", 18" in 22-26 gauge, Flex Series in 20-24 gauge, Flush Panel in 20-26 gauge, HR-36® /Reverse HR-36 in 18-29 gauge, Narrow Batten Select Seam® in 22-24 gauge, Wide Batten Select Seam® in 22-24 gauge, Nu-Wave® Corrugated in 18-29 gauge, Mini-V-Beam™ in 18-26 gauge, Prestige Series® in 18-24 gauge, Perception Collection® in 20-24 gauge, Select Seam® in 18-24 gauge, Span-Lok™ / Span-Lok hp in 22-24 gauge, SpanSeam™ in 18-24 gauge, Super-Span in 20-29ga, TW-12 in 20-24 gauge, U-Panel in 20-29 gauge, C 1.4-32 (CF 1 3/8") in 18-26 gauge, CP-32 in 18-26 gauge, and 41-9/16" Standard Perforated 33% in 26ga.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	All Substances Above the Threshold Indicated Are:	
☐ Nested Materials Method	☒ 100 ppm	☒ Considered	Characterized	☐ Yes Ex/SC ☒ Yes ☐ No
☒ Basic Method	☐ 1,000 ppm	☐ Partially Considered	% weight and role provided for all substances.	
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Considered	Screened	☐ Yes Ex/SC ☒ Yes ☐ No
☐ Material	☐ Other	Explanation(s) provided for Residuals/Impurities?	All substances screened using Priority Hazard Lists with results disclosed.	
☒ Product		☒ Yes ☐ No	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
COLD ROLLED STEEL [IRON (IRON) LT-P1 | END MANGANESE (MANGANESE) LT-P1 | END | MUL | REP CARBON (CARBON) LT-UNK
PHOSPHORUS (PHOSPHORUS) BM-2 | MAM | PHY ALUMINUM (ALUMINUM) BM-1 | END | RES | PHY SULFUR (SULFUR) LT-UNK | SKI
SILICON (SILICON) LT-UNK NICKEL LT-1 | CAN | RES | MUL | SKI |
MAM CHROMIUM LT-P1 | END | SKI | RES]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

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: CDPH Standard V1.2 (Section 01350/CHPS) Not Applicable

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- ☒ Yes
☐ No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-2484

SCREENING DATE: 2021-09-27
PUBLISHED DATE: 2022-03-07
EXPIRY DATE: 2024-09-27

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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

COLD ROLLED STEEL

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on direct testing conducted by steel suppliers via atomic absorption. Per best practice guidelines residuals and impurities above the reporting threshold of 100ppm with a GS score of BM-1, LT-1, LT-P1 or NoGS have been reported in the content inventory. Other residuals and impurities that might be present above 100ppm are Copper (0.1540% max), Molybdenum (0.0500% max), Tin (0.0500%) and Titanium (0.0100% max). Vanadium and/or Columbium may be present as residuals in steel below the inventory reporting threshold of 100ppm.	
OTHER PRODUCT NOTES: Cold rolled steel is not protected by any form of metallic coating or chemical passivates. It will weather and rust upon exposure to the elements.	

IRON (IRON)	ID: 7439-89-6
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HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:55		
%: 98.1400 - 99.0000	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.				

MANGANESE (MANGANESE)	ID: 7439-96-5
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HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:56		
%: 0.1500 - 1.2000	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]		
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.				

CARBON (CARBON)	ID: 7440-44-0
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HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:56		
%: 0.0200 - 0.2400	GS: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Alloy element

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.		
PHOSPHORUS (PHOSPHORUS)		ID: 7723-14-0
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:57
?: 0.0000 - 0.0300	GS: BM-2	RC: UNK NANO: No SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
PHY	EU - GHS (H-Statements)	H228 - Flammable solid [Flammable solids - Category 1 or 2]
SUBSTANCE NOTES: Percentage is a range to due to variations between specified steel chemistries and grades. Priority List of Hazardous Substances (rank 19).		
ALUMINUM (ALUMINUM)		ID: 7429-90-5
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:57
?: 0.0000 - 0.1000	GS: BM-1	RC: UNK NANO: No SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHY	EU - GHS (H-Statements)	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3]
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades. The Priority List of Hazardous Substances (rank 179).		
SULFUR (SULFUR)		ID: 7704-34-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:58
?: 0.0000 - 0.0400	GS: LT-UNK	RC: UNK NANO: No SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.		
SILICON (SILICON)		ID: 7440-21-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:58		
?: 0.0000 - 0.2540	GS: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.				

NICKEL		ID: 7440-02-0		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:40:59		
%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man		
CAN	IARC	Group 1 - Agent is Carcinogenic to humans		
CAN	CA EPA - Prop 65	Carcinogen		
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen		
CAN	IARC	Group 2b - Possibly carcinogenic to humans		
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen		
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]		
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
MAM	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]		
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.				

CHROMIUM		ID: 7440-47-3		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-09-27 16:41:00		
?: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.

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	CDPH Standard V1.2 (Section 01350/CHPS) Not Applicable		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2019-03-	EXPIRY DATE:	CERTIFIER OR LAB: NA
APPLICABLE FACILITIES: NA	15		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: CDPH Standard V1.2 (Section 01350/CHPS)- Not Applicable			

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.

MISC. ACCESSORIES AND FASTENERS	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:	
A wide variety of fastener and accessory products can be used in conjunction with this product. These are not manufactured by AEP Span and will depend on the preferences of the field installer.	

Section 5: General Notes

Residuals reported per chemical analysis by steel suppliers.

This HPD covers the assessment of the following AEP Span Products: 22-³/₄", 30-3/16", 37", 37-1/2", 42-15/16", 46", 48", 48-3/8" Flat Sheets in 18-29 gauge, Box Rib™/Reversed Box Rib in 18-29 gauge, Design Span® hp 12", 16", 17", 18" in 22-26 gauge, Flex Series in 20-24 gauge, Flush Panel in 20-26 gauge, HR-36® /Reverse HR-36 in 18-29 gauge, Narrow Batten Select Seam® in 22-24 gauge, Wide Batten Select Seam® in 22-24 gauge, Nu-Wave® Corrugated in 18-29 gauge, Mini-V-Beam™ in 18-26 gauge, Prestige Series® in 18-24 gauge, Perception Collection® in 20-24 gauge, Select Seam® in 18-24 gauge, Span-Lok™ / Span-Lok hp in 22-24 gauge, SpanSeam™ in 18-24 gauge, Super-Span in 20-29ga, TW-12 in 20-24 gauge, U-Panel in 20-29 gauge, C 1.4-32 (CF 1 3/8") in 18-26 gauge, CP-32 in 18-26 gauge, and 41- 9/16" Standard Perforated 33% in 26ga.

MANUFACTURER INFORMATION

MANUFACTURER: ASC Profiles
ADDRESS: 2110 Enterprise Blvd.
West Sacramento CA 95691, US
WEBSITE: www.aepspan.com

CONTACT NAME: Michelle Vondran
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The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.