CF
by Metl-Span

Health Product Declaration v2.1

CLASSIFICATION: 07 42 13.19 Thermal and Moisture Protection (insulation water barrier): Insulated Metal Wall Panels

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Insulated metal wall panels are comprised of an advanced urethane core sandwiched two pre-finished hot dipped galvanized steel panels, forming a single, all-in-one unit. The result is the most thermally efficient panel available. Finished panels are mounted to the buildings framework - outboard of the structural supports - providing continuous insulation with no thermal bridges for maximum thermal efficiency. Foam-core insulated metal wall panels sold under the Metl-Span brand including: CF Architectural, CF Striated, CF Flute, CF Mesa, CF Light Mesa, CF Partition, LS-36 Wall, 7.2 Insul-Rib, Tuff Wall, Tuff Cast, CF Santa Fe, HPCI Barrier

Section 1: Summary

Nested 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
Residuals/Impurities Considered in 0 of 6 Materials

Explanation(s) provided for Residuals/Impurities?
- (•) Yes ( ) No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided? (•) Yes ( ) No

Screened
Using Priority Hazard Lists with Results Disclosed? (•) Yes ( ) No

Identified
Name and Identifier Provided? (•) 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

STEEL [STEEL (STEEL) NoGS] POLYURETHANE FOAMS [POLYURETHANE FOAMS (POLYURETHANE FOAMS) LT-UNK] ZINC [ZINC (ZINC) LT-P1 | AQU | MUL | END | PHY] TITANIUM DIOXIDE [TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END] POLYVINYLIDENE FLUORIDE (1, 1-DIFLUOROETHENE) [POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER) (POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER)) LT-UNK] POLYESTER [POLYESTER (POLYESTER) NoGS]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?
- ( ) Yes
- (•) No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-11-13
PUBLISHED DATE: 2018-01-25
EXPIRY DATE: 2020-11-13

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

STEEL

%: 57.5000 - 82.5000 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities and there are none listed on their MSDS.

OTHER MATERIAL NOTES: Includes alloying metals with the following CAS numbers: 1309-37-1, 1314-62-1, 1314-13-2, 7439-96-5, 7440-47-3, 7440-21-3, 7440-02-0, 7440-62-2. The amount of steel used per panel unit area is the same; however the relative amount varies due to the variation in foam core thickness (anywhere from 2- to 6-inches).

STEEL (STEEL)

ID: **12597-69-2**

%: **57.5000 - 82.5000** GS: **NoGS** RC: **Both** NANO: **No** ROLE: **Protective barrier of galvanized steel coil**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYURETHANE FOAMS

%: 17.0000 - 42.0000 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities and there are none listed on their MSDS.

OTHER MATERIAL NOTES: The variability in polyurethane foam content is due to the variation in panel core thickness (anywhere from 2- to 6-inches). Thickness is determined by application needs.

POLYURETHANE FOAMS (POLYURETHANE FOAMS)

ID: **9009-54-5**

%: **17.0000 - 42.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Foam Core**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC

%: 0.2000 - 0.4000 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities and there are none listed on their MSDS.

OTHER MATERIAL NOTES:

ZINC (ZINC) ID: 7440-66-6

%: **0.1000 - 0.3000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Galvantizion of steel coil**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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:

TITANIUM DIOXIDE %: 0.0900 - 0.1600 HPD URL:

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities and there are none listed on their MSDS.

OTHER MATERIAL NOTES:

TITANIUM DIOXIDE (TITANIUM DIOXIDE) ID: 13463-67-7

%: **0.0200 - 0.0700** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Coil pre-coat component (pigment)**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

POLYVINYLIDENE FLUORIDE (1, 1-DIFLUROROETHENE)

%: 0.0000 - 0.2300 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities and there are none listed on their MSDS.

OTHER MATERIAL NOTES:

POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER) (POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER))

ID: **24937-79-9**

%: **0.0000 - 0.0800** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Coil pre-coat component (binder)**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYESTER

%: 0.0000 - 0.1600 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities and there are none listed on their MSDS.

OTHER MATERIAL NOTES:

POLYESTER (POLYESTER)

ID: **113669-95-7**

%: **0.0000 - 0.0600** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Coil pre-coat component (binder)**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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.

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.

No accessories are required for this product.

Section 5: General Notes

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **MetI-Span**
ADDRESS: **1720 Lakepointe Drive**
Suite 101
Lewisville Texas 75057, USA
WEBSITE: **www.metlspan.com**

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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)
NoGS 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 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 produc

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

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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.