ConCore Access Floor System by Tate Inc.

Health Product Declaration v2.0

created via: HPDC Online Builder

CLASSIFICATION: 09 69 13

PRODUCT DESCRIPTION: TATE'S CONCORE ACCESS FLOOR PANEL IS AN EPOXY COATED UNITIZED SHELL CONSISTING OF A FLAT STEEL TOP SHEET WELDED TO A FORMED STEEL BOTTOM SHEET FILLED WITH A HIGHLY CONTROLLED MIXTURE OF LIGHTWEIGHT CEMENT. SIX STANDARD PANEL GRADES INCLUDE CONCORE 1000, 1250, 1500, 2000, 2500 AND 3000 (WITH EACH NUMBER DESIGNATING THE PANEL'S DESIGN LOAD RATING). CONCORE PANELS ARE INTERCHANGEABLE WITH A LARGE ASSORTMENT OF AIRFLOW PANELS DESIGNED FOR A VARIETY OF DATA CENTER COOLING REQUIREMENTS. THE PANELS CAN BE SUPPORTED BY POSILOCK (STRINGERLESS) OR BOLTED STRINGER UNDERSTRUCTURE SYSTEMS UTILIZING AN EXTENSIVE SELECTION OF PEDESTALS. CONCORE PANELS CAN BE LAMINATED WITH A WIDE VARIETY OF FACTORY-APPLIED ARCHITECTURAL FINISHES TO SUIT MODERN COMMERCIAL APPLICATIONS. THIS HPD COVERS CONCORE 1000, 1250, 1500, 2000, 2500 AND 3000 PRODUCTS AND BOTH BOLTED STRINGER AND POSILOCK UNDERSTRUCTURE OPTIONS.

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

CONCORE ACCESS FLOOR SYSTEM [PORTLAND CEMENT LT-UNK | CAN STEEL UNK IRON LT-UNK ALUMINUM LT-P1 | RES | END | PHY ZINC LT-P1 | AQU | PHY | MUL MANGANESE LT-P1 | END SILICON LT-UNK]

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 HPD was created with Basic Inventory.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

◉ Self-Published* ○ Third Party Verified
VERIFIER:
VERIFICATION #:
SCREENING DATE: December 6, 2016
RELEASE DATE: February 10, 2017
EXPIRY DATE*: December 6, 2019
* 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.

CONCORE ACCESS FLOOR SYSTEM **%: 100.0000** **HPD URL:**

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes:

PORTLAND CEMENT ID: 65997-15-1

%: 52.2739	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Filler

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

STEEL ID: 12597-69-2

%: 35.2389	GS: UNK	RC: Both	NANO: NO	ROLE: Panel

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

SUBSTANCE NOTES:

IRON ID: 7439-89-6

%: 11.1678 - 11.8877	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Pedestal

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

SUBSTANCE NOTES:

ALUMINUM ID: 7429-90-5

%: 0.0800 - 0.1344	GS: LT-P1	RC: UNK	NANO: NO	ROLE: Pedestal

HAZARDS:		AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES:

ZINC ID: 7440-66-6

%: 0.0079 - 0.3606	GS: LT-P1	RC: UNK	NANO: NO	ROLE: Pedestal

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
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

MANGANESE ID: 7439-96-5

%: 0.0040 - 0.2357	GS: LT-P1	RC: None	NANO: NO	ROLE: Pedestal

HAZARDS:		AGENCY(IES) WITH WARNINGS:
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

SILICON ID: 7440-21-3

%: 0.0008 - 0.2591	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Pedestal

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.

Section 5: General Notes

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Tate Inc.

ADDRESS: 7510 Montevideo Road
Jessup, MD 20794
United States

WEBSITE: http://tateinc.com/data-center/raised-floor-systems/concore-system

CONTACT NAME: Butch Parsons

TITLE: Sr. Sales Support Engineer

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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 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.