

July 2019

RE: Sustainability Statement

Nystrom certifies and provides the following information for use in achieving LEED v4 credit for the specification of Nystrom Access Doors and Panels.

Product Aluminum Fire-rated Floor Doors
Model(s) FTRM, FTCM, FCRM, FCCM

Manufacturing Info

- Final Assembly Location: Brooklyn Park, MN
- Extraction point is not within 500 miles of manufacturing

LEED Credit Options:

Product Disclosure and Optimization – Material Ingredients

- Option 1. Material Ingredient Reporting (1 point) Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm). (10 different permanently installed products from at least three different manufacturers for CS and Warehouses & Distribution Centers)
 - Health Product Declaration. The end use product has a published and complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration open Standard.

If you require any further information, please do not hesitate to contact us at (800) 547-2635.

CLASSIFICATION: 08 34 83 Openings: Floor Doors and Frames

PRODUCT DESCRIPTION: Nystrom's Aluminum Fire-Rated Floor Doors provide safe and reliable access between building floors and below ground. They are designed to contain a fire from penetrating through the opening and are reinforced for pedestrian traffic loads. This HPD covers Fire-Rated Architectural 1/8 inch Pan Floor Door (FTRM/FTCM) and Fire-Rated Diamond Tread Floor Door (FCRM/FCCM).

Section 1: Summary

Basic 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

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

ALUMINUM FIRE-RATED FLOOR DOORS [6061 ALUMINUM LT-P1 | RES | PHY | END ALUMINA TRIHYDRATE BM-2 | RES UNDISCLOSED LT-UNK | CAN STAINLESS STEEL NoGS STEEL NoGS REFRACTORY CERAMIC FIBERS (USE CMG13094) LT-1 | CAN | MUL WATER BM-4 UNDISCLOSED NoGS CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK NYLON 6 LT-UNK POLYVINYL CHLORIDE (PVC) LT-P1 | RES]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

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, along with the role and percent weight. Substances not "Identified" are those considered proprietary to suppliers.

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 Method – Not tested

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: 2019-05-23

PUBLISHED DATE: 2019-07-24

EXPIRY DATE: 2022-05-23



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

ALUMINUM FIRE-RATED FLOOR DOORS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Partially

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered by following the suggestions of Emerging Best Practices. The components of metal alloys, for which Pharos CML may consider the various alloying elements as "Known or Potential Residuals", have been included in the Substance Notes instead of as individual content entries. These components are listed by name, CASRN, percent by weight (as per supplier SDS), and relevant GreenScreen score. Residuals and Impurities for other substances reviewed based on information provided in supplier SDS, supplier HPD, and Pharos CML.

OTHER PRODUCT NOTES: Percent by weight of substances given as ranges to account for material differences between product lines, or due to disclosure preference of suppliers. Insulation/flame resistant materials, accounting for approximately 40% of the product by weight, have been confirmed by suppliers to be compliant with CDPH Standard Method V1.2 (Section 01350/CHPS).

6061 ALUMINUM

ID: 7429-90-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-05-23

GS: LT-P1 RC: Both NANO: No ROLE: Base Metal

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Door, Frame, Angle, Edge Trim, Insulation, Mixed Hardware. Recycled content confirmed by suppliers for approximately half of Aluminum used in product, ranges from 35% to 80% total. Documentation from suppliers provide the following composition for alloying elements that may individually exceed the declared threshold: <2% Silicon [7440-21-3; LT-UNK]; <1.5% Magnesium [7439-95-4; LT-UNK]; <1.5% Copper [7440-50-8; LT-UNK]; <1% Manganese [7439-96-5; LT-P1]; <1% Iron [7439-89-6; LT-P1]; <0.5% Zinc [7440-66-6; LT-P1]; <0.5% Chromium [7440-47-3; LT-P1]; <0.3% Cobalt [7440-48-4; LT-1]; <0.2% Titanium [7440-32-6; LT-UNK]. May include additional series of Aluminum for small components (e.g. Hardware). Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Aluminum.

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: **25.90 - 29.10**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Flame Retardant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY**AOEC - Asthmagens****Asthmagen (Rs) - sensitizer-induced**SUBSTANCE NOTES: **Flame resistant barrier. GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-05-23**%: **8.30 - 8.70**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Insulation**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER**EU - GHS (H-Statements)****H351 - Suspected of causing cancer**SUBSTANCE NOTES: **Information disclosed as per supplier's published HPD.****STAINLESS STEEL**ID: **12597-68-1**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-05-23**%: **4.30 - 4.40**GS: **NoGS**RC: **Both**NANO: **No**ROLE: **Base Metal**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: **Hinge, Compression Spring, Handle, Mixed Hardware. This substance is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML). Documentation from suppliers provide the following composition for alloying elements that may individually exceed the declared threshold: 16.6% Chromium [7440-47-3; LT-P1]; 10.5% Nickel [8049-31-8; LT-1]; 2.1% Molybdenum [7439-98-7; LT-UNK]; 1.4% Manganese [7439-96-5; LT-P1]; 0.9% Aluminum [7429-90-5; LT-P1]; 0.5% Copper [7440-50-8; LT-UNK]; 0.5% Silicon [7440-21-3; LT-UNK]. 0.3% Cobalt [7440-48-4; LT-1]. All suppliers confirm that material is free from Mercury contamination.**

STEELID: **12597-69-2**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-05-23**%: **1.00 - 1.10**GS: **NoGS**RC: **UNK**NANO: **No**ROLE: **Base Metal**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: Latch, Cable, Mixed hardware. Recycled content confirmed by suppliers for steel used in product ranges from 18.5% total (14.0% pre-consumer and 4.5% post-consumer recycled scrap) to 97.8% total (36.5% pre-consumer and 61.3% post-consumer recycled scrap). Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: max 3.1% Silicon [7440-21-3; LT-UNK]; max 2.5% Manganese [7439-96-5; LT-P1]; max 1.6% Aluminum [7429-90-5; LT-P1]; max 1.8% Nickel [7440-02-0; LT-1]; max 1.0% Chromium [7440-47-3; LT-P1]; max 0.2% Vanadium [7440-62-2; LT-1].

REFRACTORY CERAMIC FIBERS (USE CMG13094)

ID: 142844-00-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-23**

#: **0.30 - 3.20** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Insulation**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen (respirable size - occupational setting)
CANCER	EU - GHS (H-Statements)	H350i - May cause cancer by inhalation
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Japan - GHS	Carcinogenicity - Category 1B

SUBSTANCE NOTES: Flame resistant barrier.

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-23**

#: **0.30 - 1.90** GS: **BM-4** RC: **None** NANO: **No** ROLE: **Diluent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Flame resistant barrier. GreenScreen Benchmark® assessment score of BM-4 was provided by the HPD Builder Tool.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-23**

#: **0.30 - 3.20** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Information disclosed as per supplier's published HPD.

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-23**

#: **0.20 - 0.30**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Insulation**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Insulating tape.

NYLON 6

ID: 25038-54-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-23**

#: **0.10 - 0.20**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Base Polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Locking Hex Nuts.

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-23**

#: **0.05 - 0.10**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Base Polymer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Component of Grip Handle.

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 Method – Not tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **N/A**

05-20

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Insulation/flame resistant materials, accounting for approximately 40% of the product by weight, have been confirmed by suppliers to be compliant with CDPH Standard Method V1.2 (Section 01350/CHPS). Alloyed metals, which meet the LEED® criteria for “inherently non-emitting source”, make up virtually all of remaining product weight (~60%).**

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.

SAFETY GRATE

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Optional Safety Grate available. Please contact manufacturer for more information.

PADLOCK HASPS

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Optional Padlock Hasps available. Please contact manufacturer for more information.

SAFETY NETS

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Optional Safety Nets available. Please contact manufacturer for more information.

SAFETY RAILS

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Optional Safety Rails available. Please contact manufacturer for more information.

SKIRTING

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Optional Skirting available. Please contact manufacturer for more information.





MANUFACTURER INFORMATION

MANUFACTURER: **Nystrom**
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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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U 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.