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**
- Drainable Diamond Tread, Drainable Large Equipment Hatch, Non-Drainable, Diamond Tread, Existing Opening Diamond Tread, 1 Inch Pan Architectural, 1/8 Inch Pan Architectural, Surface Mount Diamond Tread, Gutter Channel Frame (Drainable),

**Model(s)**
- FDD, FDDP, FDDS, FDDPV, FDDHA, FDDHV, FDOHA, FDN, FDE, FDEP, FDPPA, FDRP, FDRPP FDNLA

**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.
Aluminum Floor Doors by Nystrom

CLASSIFICATION:  08 34 83 Openings: Floor Doors

PRODUCT DESCRIPTION:  Nystrom's Floor Doors provide safe and reliable access and between building floors and below ground. We provide a complete line of drainable, non-drainable, existing opening and architectural floor doors. Nystrom Floor Doors are best in class for clear opening and ease of installation. This HPD covers the following Aluminum Floor Doors offered by Nystrom: Drainable Diamond Tread Floor Doors (FDDP/FDDHA/FDDS); Drainable Large Equipment Hatch, H20 (FDOHA); Non-Drainable Diamond Tread Floor Doors (FDN); Existing Opening Diamond Tread Floor Door (FDE); 1 Inch Pan Architectural Floor Door (FDPPA); 1/8 Inch Pan Architectural Floor Door (FDRP); Surface Mount Diamond Tread Floor Door (FDNLA).

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

All Substances Above the Threshold Indicated Are:

Characterized
- Yes Ex/SC
- Yes
- No

Screened
- Yes Ex/SC
- Yes
- No

Identified
- Yes Ex/SC
- 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
---|---|---|---|---
ALUMINUM FLOOR DOORS | 6061 ALUMINUM | LT-P1 | RES | PHY | END
STAINLESS STEEL | NoGS | ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) | LT-UNK | NYLON | 6 | LT-UNK | POLYVINYL CHLORIDE (PVC) | LT-P1 | RES

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 2.1.1, 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. Therefore, this HPD is consistent with 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

See Section 3 for additional listings.

VOC emissions: Inherently non-emitting source per LEED®

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: 2019-07-17
PUBLISHED DATE: 2019-08-28
EXPIRY DATE: 2022-07-17
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.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### ALUMINUM FLOOR DOORS

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered by following the suggestions of Emerging Best Practices. More than 99% of this product consists of metal alloys, for which Pharos CML may consider the various alloying elements as "Known or Potential Residuals". Therefore, these components have been included in the Substance Notes instead of as individual content entries. Components are listed by name, CASRN, percent by weight (as per supplier SDS), and relevant GreenScreen score.

**OTHER PRODUCT NOTES:** Percent by weight of substances given as ranges due to material variations between product lines.

<table>
<thead>
<tr>
<th>ALUMINUM</th>
<th>ID: 7429-90-5</th>
</tr>
</thead>
</table>
| **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-07-17 |
| %: 90.00 - 92.00  
**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, Hinge, Mixed Hardware. Recycled content confirmed by suppliers for approximately half of Aluminum used in product: 50% post industrial recycled scrap and 25% post consumer recycled scrap. Documentation from suppliers provide the following composition for alloying elements that may individually exceed the declared threshold: 1.2% Magnesium [7439-95-4; LT-UNK]; 0.8% Silicon [7440-21-3; LT-UNK]; 0.7% Iron [7439-89-6; LT-P1]; 0.4% Chromium [7440-47-3; LT-P1]; 0.4% Copper [7440-50-8; LT-UNK]; 0.3% Cobalt [7440-48-4; LT-1]; 0.3% Zinc [7440-66-6; LT-P1]; 0.2% Manganese [7439-96-5; LT-P1]; 0.2% Titanium [7440-32-6; LT-UNK]. May also include 5052 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.

### STAINLESS STEEL

**ID:** 12597-68-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-07-17

<table>
<thead>
<tr>
<th>STAINLESS STEEL</th>
</tr>
</thead>
</table>
| %: 8.00 - 9.00  
**GS:** NoGS  
**RC:** UNK  
**NANO:** No  
**ROLE:** Base Metal |

**SUBSTANCE NOTES:** Door, Frame, Hinge, Mixed Hardware. Recycled content confirmed by suppliers for approximately half of Aluminum used in product: 50% post industrial recycled scrap and 25% post consumer recycled scrap. Documentation from suppliers provide the following composition for alloying elements that may individually exceed the declared threshold: 1.2% Magnesium [7439-95-4; LT-UNK]; 0.8% Silicon [7440-21-3; LT-UNK]; 0.7% Iron [7439-89-6; LT-P1]; 0.4% Chromium [7440-47-3; LT-P1]; 0.4% Copper [7440-50-8; LT-UNK]; 0.3% Cobalt [7440-48-4; LT-1]; 0.3% Zinc [7440-66-6; LT-P1]; 0.2% Manganese [7439-96-5; LT-P1]; 0.2% Titanium [7440-32-6; LT-UNK]. May also include 5052 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.
### ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)

**ID:** 25038-36-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-07-17  
**%:** 0.50 - 1.00  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Polymer

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Compression Spring; Spring Link; Slam Latch; Plate Stop; 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.

### NYLON 6

**ID:** 25038-54-4  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-07-17  
**%:** 0.10 - 0.50  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Polymer

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Sealing Gasket. Thermoset synthetic rubber compound.

### POLYVINYL CHLORIDE (PVC)

**ID:** 9002-86-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-07-17  
**%:** 0.10 - 0.20  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Polymer

None found  
**WARNINGS:**  
**RESPIRATORY**  
AOEC - Asthmagens

**Assthmagen (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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-02-20</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>N/A</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>This product qualifies as an inherently non-emitting source per LEED, as ~99% of the product consists of powder-coated metal and/or plated or anodized metal. As per LEED, &quot;Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.&quot;</td>
</tr>
</tbody>
</table>

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.

**ALUMINUM SAFETY RAILS**

HPD URL: https://www.nystrom.com/

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Optional Safety Rails available. See Section 05 52 00 Metal Railings.

**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  
**ADDRESS:** 9300 73rd Avenue North  
Minneapolis MN 55428, USA  
**WEBSITE:** www.nystrom.com  
**CONTACT NAME:** Sandy McWilliams  
**TITLE:** Director of Business Development  
**PHONE:** (800) 547-2635  
**EMAIL:** SMcWilliams@nystrom.com

### 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  
- 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 Unspecified (insufficient 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 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  
- **Applicables:** 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.