

Automatic Revolving Door KTC 3/4 by dormakaba

Health Product Declaration v2.1

CLASSIFICATION: 08 42 33 - Revolving Door Entrances

created via: HPDC Online Builder

PRODUCT DESCRIPTION: The revolving doors of the COMFORTLINE (KTC) series combine safety and comfort in a sophisticated entrance system. KTC series doors help to protect building interiors from drafts, noise and dirt. In minimizing airflow between the outside and inside, a revolving door will usually pay for itself in energy savings. KTC series revolving doors help pedestrians move in and out of the building and manage high traffic volumes without difficulty. And all KTC series doors offer modern safety and security systems. In addition, the pivot-mounted wings will fold out in any position to provide a clear escape route. The KTC is also the perfect solution for high user convenience. KTC 3/4 revolving doors are characterized by their especially generous diameters. They are the optimal solution for heavy-duty applications.

Section 1: Summary

Basic Method

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

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**

AUTOMATIC REVOLVING DOOR KTC 3/4 [STEEL NoGS SOLID / PLATE
GLASS LT-UNK ALUMINUM LT-P1 | RES | END | PHY CHIPBOARD UNK
WOOD UNK STAINLESS STEEL NoGS STYRENE BUTADIENE RUBBER
(SBR) LT-UNK POWDER COAT UNK HORSEHAIR UNK DORMAKABA BTS 80
UNK IRON LT-P1 | END POLYPROPYLENE LT-UNK COPPER LT-P1 NYLON
NoGS POLYCARBONATE LT-UNK HEXANEDIOIC ACID, POLYMER WITH
1,4-BUTANEDIOL AND 1,1'-METHYLENEBIS[4-ISOCYANATOBENZENE]
(HEXANEDIOIC ACID, POLYMER WITH 1,4-BUTANEDIOL AND 1,1'-
METHYLENEBIS[4-ISOCYANATOBENZENE]) LT-UNK PRINTED WIRING
BOARD (PWB) UNK HYDRAULIC FLUIDS NoGS]

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 Method. Substances are listed by weight in the entire product instead of by material. All substances over 1000 ppm or 100 ppm of the product are reported.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

LCA: Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-04-04
PUBLISHED DATE: 2017-12-13
EXPIRY DATE: 2020-04-04

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

AUTOMATIC REVOLVING DOOR KTC 3/4

PRODUCT THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected in these materials at or above the inventory threshold.

OTHER PRODUCT NOTES: -

STEEL

ID: 12597-69-2

#: 25.8000 GS: NoGS RC: Both NANO: No ROLE: Profiles, bearings, brackets, screws and fasteners

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

SOLID / PLATE GLASS

ID: 65997-17-3

#: 25.6100 GS: LT-UNK RC: None NANO: No ROLE: Wings and drum walls

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

ALUMINUM

ID: 7429-90-5

#: 21.0800 GS: LT-P1 RC: Both NANO: No ROLE: Electronic components, canopy and profiles

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: The hazards associated with aluminum are dependent upon the form in which aluminum is provided. As aluminum is inert upon receipt by dormakaba and unlikely to leach from the revolving door into the environment, the risk of exposure to aluminum components is negligible and the listed hazards can be deemed irrelevant to the end-user.

CHIPBOARD

ID: **Undisclosed**

%: **12.2200** GS: **UNK** RC: **None** NANO: **No** ROLE: **Chipboard**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Electronics are considered Special Conditions Materials by HPDC.

WOOD

ID: **Not registered**

%: **5.1800** GS: **UNK** RC: **Both** NANO: **No** ROLE: **Installation material**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

STAINLESS STEEL

ID: **12597-68-1**

%: **3.1700** GS: **NoGS** RC: **Both** NANO: **No** ROLE: **Sheetmetal, brackets and profiles**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

STYRENE BUTADIENE RUBBER (SBR)

ID: **9003-55-8**

%: **2.5700** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glazing seals and safety bumpers**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

POWDER COAT

ID: **Undisclosed**

%: **0.9800** GS: **UNK** RC: **None** NANO: **No** ROLE: **Powder coat**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Powder coatings are considered Special Conditions Materials by HPDC.

HORSEHAIR

ID: **Not registered**

#: **0.9800** GS: **UNK** RC: **Both** NANO: **No** ROLE: **Weatherstripping**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

DORMAKABA BTS 80

ID: **Undisclosed**

#: **0.5400** GS: **UNK** RC: **None** NANO: **No** ROLE: **Door closer**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: HPD available

IRON

ID: **7439-89-6**

#: **0.4300** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Installation material**

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: -

POLYPROPYLENE

ID: **9003-07-0**

#: **0.4000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Tape**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

COPPER

ID: **7440-50-8**

#: **0.2300** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Electronic components and cables**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

NYLON

ID: **63428-83-1**

#: **0.2300** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Installation material**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

POLYCARBONATE

ID: **25037-45-0**

#: **0.2200** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Component covers**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

**HEXANEDIOIC ACID, POLYMER WITH 1,4-BUTANEDIOL AND 1,1'-METHYLENEBIS[4-ISOCYANATOBENZENE]
(HEXANEDIOIC ACID, POLYMER WITH 1,4-BUTANEDIOL AND 1,1'-METHYLENEBIS[4-ISOCYANATOBENZENE])**

ID: **26375-23-5**

#: **0.1700** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Sealant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: -

PRINTED WIRING BOARD (PWB)

ID: **Undisclosed**

#: **0.1600** GS: **UNK** RC: **None** NANO: **No** ROLE: **Printed Wiring Board (PWB)**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Electronics are considered Special Conditions Materials by HPDC.

HYDRAULIC FLUIDS

ID: **55957-10-3**

#: **0.0100** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Oil**

| | |
|------------|-----------------------------------------|
| 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.

| LCA | Environmental Product Declaration |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| CERTIFYING PARTY: Third Party | ISSUE DATE: 2017-04-24 |
| APPLICABLE FACILITIES: Suzhou, China | EXPIRY DATE: 2022-04-23 |
| CERTIFICATE URL: https://www.dormakaba.com/resource/blob/60546/d9526993df092e2e5b44537f90351c83/epd-ktc-3-4-en-data.pdf | CERTIFIER OR LAB: Institut Bauen und Umwelt e.V. (IBU) |
| CERTIFICATION AND COMPLIANCE NOTES: - | |

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

Dorma and Kaba become dormakaba - a smart step for smart access solutions. We offer products, solutions and services for secure access to buildings and rooms - now all from a single source. With more than 150 years of experience, we stand for security, sustainability and reliability. For more information, please go to: www.dormakaba.com. The information contained in this HPD is to be used only as a voluntary information on our products. dormakaba makes no representation or warranty as to the completeness or accuracy of the information contained herein. The products and specifications set forth in this HPD are subject to change without notice and dormakaba disclaims any and all liability for such changes. The information contained herein is provided without warranties of any kind, either express or implied, and dormakaba disclaims any and all liability for typographical, printing, or production errors or changes affecting the specifications contained herein. dormakaba **DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL dormakaba**

Section 6: References

MANUFACTURER INFORMATION

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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.