

CLASSIFICATION: 10 22 23.23

**PRODUCT DESCRIPTION:** Variflex is the sound-insulating operable partition system for flexible room assignment. With its wide range of system components, Variflex offers tailored solutions for virtually any layout and almost any application. With elegantly combined transparency and sound insulation, the system's appearance, sophistication and ease of operation can be selected according to requirements. It's the clever technology that makes the Variflex such a special partition system. Its success derives from the clever combination of a multitude of intelligent details. Different panel types allow adaptation to a wide range of applications.

## 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**

**DORMA HÜPPE VARIFLEX [ WOOD NoGS BITUMENS LT-1 | CAN STEEL NoGS WATER (PRIMARY CASRN IS 7732-18-5) BM-4 ALUMINUM NoGS PLASTICS, E.G. GRANULATES, FORMED PARTS, FIBRES, FOILS, POLYMER RESINS, IN SOLID FORM, NOT DISPERSED, INSOLUBLE IN WATER AND INDIFFERENT NoGS MINERAL WOOL WITH FIBER DIAMETER > 6 µm LT-UNK ZINC LT-P1 | AQU | PHY | END | MUL MIXED RECYCLED PAPER NoGS PARAFFIN LT-UNK COPPER LT-UNK ]**

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 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.

VOC emissions: VOC  
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: 2020-02-20

PUBLISHED DATE: 2020-03-12

EXPIRY DATE: 2023-02-20



## 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.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### DORMA HÜPPE VARIFLEX

PRODUCT THRESHOLD: 100 ppm

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: -

#### WOOD

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-20

#: 42.76 - 42.76

GS: NoGS

RC: Both

NANO: No

ROLE: Cover board of element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Particle board/chipboard

#### BITUMENS

ID: 128683-24-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-20

#: 21.00 - 21.00

GS: LT-1

RC: None

NANO: No

ROLE: Sound insulation material

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

SUBSTANCE NOTES: Bitumen foil

#### STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-20

%: **17.10 - 17.10**

GS: **NoGS**

RC: **Both**

NANO: **No**

ROLE: **Frame construction**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: -

**WATER (PRIMARY CASRN IS 7732-18-5)**

ID: **652133-48-7**

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

HAZARD SCREENING DATE: **2020-02-20**

%: **6.94 - 6.94**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **Cover board of element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Particle board/chipboard**

**ALUMINUM**

ID: **91728-14-2**

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

HAZARD SCREENING DATE: **2020-02-20**

%: **4.70 - 4.70**

GS: **NoGS**

RC: **Both**

NANO: **No**

ROLE: **Frame construction**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: -

**PLASTICS, E.G. GRANULATES, FORMED PARTS, FIBRES, FOILS, POLYMER RESINS, IN SOLID FORM, NOT DISPERSED, INSOLUBLE IN WATER AND INDIFFERENT**

ID: **937182-60-0**

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

HAZARD SCREENING DATE: **2020-02-20**

%: **3.60 - 3.60**

GS: **NoGS**

RC:

NANO:

ROLE: **Lip / corner seals**

**None**

**No**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: -

**MINERAL WOOL WITH FIBER DIAMETER > 6 µM**

ID: **65997-17-3**

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

HAZARD SCREENING DATE: **2020-02-20**

%: **1.70 - 1.70**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Sound insulation material**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: -

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

SUBSTANCE NOTES: -

## ZINC ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**      HAZARD SCREENING DATE: **2020-02-20**

%: **0.90 - 0.90**      GS: **LT-P1**      RC: **Both**      NANO: **No**      ROLE: **Mechanical components**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: **Cast zinc**

## MIXED RECYCLED PAPER ID: Not registered

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**      HAZARD SCREENING DATE: **2020-02-20**

%: **0.70 - 0.70**      GS: **NoGS**      RC: **Both**      NANO: **No**      ROLE: **Fastening material**

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

SUBSTANCE NOTES: -

## PARAFFIN ID: 8002-74-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**      HAZARD SCREENING DATE: **2020-02-20**

%: **0.50 - 0.50**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Cover board of element**

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

SUBSTANCE NOTES: **Particle board/chipboard**

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

HAZARD SCREENING DATE: **2020-02-20**

%: **0.10 - 0.10**

GS: **LT-UNK**

RC: **Both**

NANO: **No**

ROLE: **Roller for element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard 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.*

### VOC EMISSIONS

### VOC

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **eco-INSTITUT**

APPLICABLE FACILITIES: **Westerstede/Ocholt in Germany**

**02-25**

**Germany GmbH**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: -

### LCA

### Environmental Product Declaration

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE: **2022-**

CERTIFIER OR LAB: **Institut Bauen**

APPLICABLE FACILITIES: **Westerstede/Ocholt, Germany**

**12-12**

**12-11**

**und Umwelt e.V. (IBU)**

CERTIFICATE URL: **<https://www.dormahueppe.com/files/e9ddb810-d1cd-11e8-80a1-a55a8be126f0>**

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 Hüppe movable walls: Global provider of high-quality operable partition systems. Dorma Hüppe is part of the dormakaba Group and makes up the Movable Walls business unit together with Modernfold and Skyfold. With its movable wall systems for conference facilities, congress centres, banks, exhibitions etc. and 130 years of company tradition supporting it, Dorma Hüppe is able to offer customers throughout the world smart solutions for efficient room management. Dorma Hüppe not only plans, designs and installs movable partition wall systems, it also ensures their ongoing durability, function and performance with a range of high-value services. For more information, please go to: <https://www.dormahueppe.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 BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM THE SALE OR USE OF ANY PRODUCT. All sales of products shall be subject to dormakaba's applicable General Terms and Conditions, a copy of which will be provided by your local dormakaba organisation upon request.



## MANUFACTURER INFORMATION

MANUFACTURER: **dormakaba**  
 ADDRESS: **DORMA Hüppe Raumtrennsysteme GmbH**  
**Industriestraße 5**  
**Westerstede/Ocholt Lower Saxony 26655,**  
**Germany**  
 WEBSITE: **www.dorma-hueppe.com**

CONTACT NAME: **Jörg Tholen**  
 TITLE: **Lead Product & Marketing**  
 PHONE: **+49 4409 666-368**  
 EMAIL: **joerg.tholen@dormakaba.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

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

### GreenScreen (GS)

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



