### Section 1: Summary

**CONTENT INVENTORY**

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>Are All Substances Above the Threshold Indicated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Yes</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>Yes</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td></td>
<td>Not Considered</td>
<td>No</td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**

| ZERO SHEET | CALCIUM CARBONATE | NoGS THERMOPLASTIC ELASTOMER | NoGS ETHYLENE VINYL ACETATE POLYMER (EVA) | LT-UNK ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EAA-XZN) | LT-UNK ACRYLIC POLYMERS | NoGS TITANIUM DIOXIDE | LT-1 | CAN | END CARBON BLACK | LT-1 | CAN IRON HYDROXIDE (Fe(OH)3) | LT-UNK BUTANAMIDE, 2,2'-[1,2-ETHANEDIYLBIS(OXY-2,1-PHENYLENEAZO)]BIS[N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL-5-YL)-3-OXO]-LT-UNK C.I. PIGMENT BLUE 15 BM-3 | LT-UNK BLACK, N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL-5-YL)-3-HYDROXY-4-[2-METHOXY-5-METHYL-(METHYLAMINO)SULFONYL]PHENYL]-AZO) | LT-P1 | IRON OXIDE BLACK | LT-UNK | FERRIC OXIDE YELLOW | LT-UNK | FERRIC OXIDE | BM-2 | CAN |

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

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 Inventory. The component ID or CAS# were used to identify associated hazards of components above the threshold limit.

**CERTIFICATIONS AND COMPLIANCE**

- VOC emissions: RFCI FloorScore
- VOC emissions: Emission Classification of Building Materials - M1
- VOC emissions: Blue Angel

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.
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

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**ZERO SHEET**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered for all raw materials and those that show up above the stated threshold were listed.

OTHER PRODUCT NOTES: Some variation may occur inside given percentages. Biggest variation is with color pigments as their use varies in different coloured products. Large collection is consisting many different coloured products.

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**CALCIUM CARBONATE**

ID: 114453-69-9

%: 58.0000 - 62.0000

GS: NoGS

RC: None

NANO: No

ROLE: Filler

HAZARDS: None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Calcium carbonate is a natural mineral. Does have also synonyms as limestone.

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**THERMOPLASTIC ELASTOMER**

ID: 308079-71-2

%: 16.0000 - 18.0000

GS: NoGS

RC: None

NANO: No

ROLE: Binder

HAZARDS: None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Thermoplastic elastomer as a part of the binder system of product.

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**ETHYLENE VINYL ACETATE POLYMER (EVA)**

ID: 24937-78-8

%: 11.0000 - 13.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Binder

HAZARDS: None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polyethylene based polyolefin copolymer is used as a soft binder. By using naturally soft polymer no plastiziser is needed.
ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EMAA-XZN)

ID: 28516-43-0

%: 8.0000 - 10.0000

GS: LT-UNK
RC: None
NANO: No
ROLE: Binder

HAZARDS: None Found

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

SUBSTANCE NOTES: This polymer structure is more known as ionomer. Small amounts of metal (Zn, Na) salt is used for neutralizing. It is used as a surface reinforcement and also as a part of binder system of the product. Zinc and sodium are tied strongly in the structure and amount of these metals is under reported threshold level.

ACRYLIC POLYMERS

ID: 903501-20-2

%: 0.5000 - 1.0000

GS: NoGS
RC: None
NANO: No
ROLE: Fully cured surface treatment

HAZARDS: None Found

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

SUBSTANCE NOTES: Fully cured acrylic polymers. UV cured in highly controlled conditions. Amount of possible residuals will be low because very small amount of material used with highly controlled curing process.

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 2.0000

GS: LT-1
RC: None
NANO: No
ROLE: Color pigment

HAZARDS: US CDC - Occupational Carcinogens

AGENCY(IES) WITH WARNINGS:
Occupational Carcinogen

CANCER
US CDC - Occupational Carcinogens
Occupational Carcinogen

CANCER
CA EPA - Prop 65
Carcinogen - specific to chemical form or exposure route

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

ENDOCRINE
TEDX - Potential Endocrine Disruptors
Potential Endocrine Disruptor

CANCER
MAK
Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER
MAK
Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: This material is most common white colorant used everywhere white color is needed. Amount used varies according color of the product, and some colors may not have this at all.

CARBON BLACK

ID: 1333-86-4

%: 0.0000 - 0.5000

GS: LT-1
RC: None
NANO: No
ROLE: Color pigment

HAZARDS: US CDC - Occupational Carcinogens

AGENCY(IES) WITH WARNINGS:
Occupational Carcinogen

CANCER
US CDC - Occupational Carcinogens
Occupational Carcinogen
CANCER CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route

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

CANCER MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: C.I. Pigment Black 7. This material is widely used most common black colorant. Amount used varies according color of the product. Therefore some colors do not have this at all. As this is very effective color pigments it is always used at very small quantities.

IRON HYDROXIDE (Fe(OH)3) 

ID: 1309-33-7

%: 0.0000 - 2.0000 GS: LT-UNK RC: None NANO: No ROLE: Color pigment

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

SUBSTANCE NOTES: This is presenting group of iron hydroxide pigments. Amount used varies according color of the product. Therefore some colors may not have this at all.

BUTANAMIDE, 2,2'-(1,2-ETHANEDIYLBIS(OXY- 2,1-PHENYLENEAZO))BIS[N-(2,3- DIHYDRO-2-OXO-1H-BENZIMIDAZOL -5-YL)-3-OXO-]

ID: 77804-81-0

%: 0.0000 - 0.5000 GS: LT-UNK RC: None NANO: No ROLE: Color pigment

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

SUBSTANCE NOTES: C.I. Pigment Yellow 180. Used very small amounts where bright yellow colors are needed.

C.I. PIGMENT BLUE 15 

ID: 147-14-8

%: 0.0000 - 0.5000 GS: BM-3 RC: None NANO: No ROLE: Color pigment

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

SUBSTANCE NOTES: C.I. Pigment Blue 15:1. Used very small quantities in colors where cyan blue colors are needed.

2-NAPHTHALENECARBOXAMIDE, N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL-5-YL)-3-OXO-4-[2-METHOXY-5-METHYL-4-[METHYLAMINO]SULFONYL]PHENYL]AZO-

ID: 51920-12-8

%: 0.0000 - 0.5000 GS: LT-P1 RC: None NANO: No ROLE: Color pigment

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

**ID:** 12227-89-3

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0000 - 2.0000</th>
</tr>
</thead>
</table>

**GS:** LT-UNK  
**RC:** None  
**Nano:** No  
**Role:** Color pigment

**Hazards:**  
None Found  
No warnings found on HPD Priority lists

**Substance Notes:** Pigment black. Used in where black color is needed.

### Ferric Oxide Yellow

**ID:** 51274-00-1

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0000 - 1.0000</th>
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</thead>
</table>

**GS:** LT-UNK  
**RC:** None  
**Nano:** No  
**Role:** Color pigment

**Hazards:**  
None Found  
No warnings found on HPD Priority lists

**Substance Notes:** C.I. Pigment Yellow 42

### Ferric Oxide

**ID:** 1309-37-1

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0000 - 1.0000</th>
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</thead>
</table>

**GS:** BM-2  
**RC:** None  
**Nano:** No  
**Role:** Color pigment

**Hazards:**  
Cancer  
Mak  
Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**Substance Notes:** C.I. Pigment Red 101. Iron oxide pigment.
### 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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>RFCI FloorScore</th>
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</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>ISSUE DATE: 2017-12-01</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Upofloor production site, Ikaalinen, Finland</td>
<td>EXPIRY DATE: 2018-11-30</td>
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<tr>
<td>CERTIFICATE URL:</td>
<td>CERTIFIER OR LAB: SCS Global Services</td>
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<tr>
<td></td>
<td>CERTIFICATION AND COMPLIANCE NOTES: SCS-FS-02256</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>Emission Classification of Building Materials - M1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>ISSUE DATE: 2017-09-24</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Upofloor Oy Ikaalinen, Finland</td>
<td>EXPIRY DATE: 2019-09-24</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td>CERTIFIER OR LAB: The Building Information Foundation RTS sr</td>
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<tr>
<td></td>
<td>CERTIFICATION AND COMPLIANCE NOTES: The Building Information Foundation RTS sr</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>Blue Angel</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>ISSUE DATE: 2018-01-29</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Upofloor, Ikaalinen, Finland</td>
<td>CERTIFIER OR LAB: RAL gGmbH</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td>CERTIFICATION AND COMPLIANCE NOTES:</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.

No accessories are required for this product.

#### ZERO WELDING ROD

**HPD URL:** No HPD available

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Seams are welded by using heat welding. Welding rod is product own welding rod which is based to same kind of raw materials than Zero sheet.

### Section 5: General Notes

All information with health warnings has been made using automated tool.
MANUFACTURER INFORMATION

MANUFACTURER: Upofloor Oy
ADDRESS: Upofloor Oy
Souranderintie 2
Nokia Pirkanmaa 37100, Finland
WEBSITE: www.upofloor.com

CONTACT NAME: Tomi Tehomaa
TITLE: Product Manager
PHONE: +358207409676
EMAIL: tomi.tehomaa@upofloor.fi

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
MULT Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBTT 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
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.