**CLASSIFICATION:** 09 65 19

**PRODUCT DESCRIPTION:** Resilient Tile Flooring. Xpression Tiles and Planks for heavy commercial use. Does not contain any PVC and plastizisers.

---

### 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

---

**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**

- **XPRESSION**
  - CALCIUM CARBONATE NoGS
  - ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EMAA-XZN) LT-UNK
  - THERMOPLASTIC ELASTOMER NoGS
  - ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK
  - POLYETHYLENE TEREPHTHALATE GLYCOL (PETG) NoGS
  - 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-4-[2-METHYLAMINO]-SULFONYL]PHENYL]AZO]- LT-P1
  - IRON OXIDE BLACK LT-1 CAN
  - FERRIC OXIDE YELLOW LT-UNK

**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 CAS# was used to identify associated hazards of components above threshold limit.

---

**CERTIFICATIONS AND COMPLIANCE**

See Section 3 for additional listings.

- 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.

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**Third Party Verified?**
- Yes
- No

**PREPARER:** Self-Prepared

**VERIFIER:**

**VERIFICATION #:**

**SCREENING DATE:** 2018-08-08

**PUBLISHED DATE:** 2018-09-19

**EXPIRY DATE:** 2021-08-08
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

---

**XPRESSION**

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. Black pigments are used for coloring but also other pigments we normally are using are marked as an residuals/impurities as there can be some residuals from other Enomer products which are manufactured in same production line.

---

**CALCIUM CARBONATE**

<table>
<thead>
<tr>
<th>%: 62.0000 - 65.0000</th>
<th>GB: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Filler</th>
</tr>
</thead>
</table>

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found

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

---

**ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EMAA-XZN)**

<table>
<thead>
<tr>
<th>%: 11.0000 - 14.0000</th>
<th>GB: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found

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 Natrium are tied strongly in the structure and amount of these metals is under reported threshold level.

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**THERMOPLASTIC ELASTOMER**

<table>
<thead>
<tr>
<th>%: 7.5000 - 9.5000</th>
<th>GB: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found

SUBSTANCE NOTES: Thermoplastic elastomer as a part of the binder system of product.
### ETHYLENE VINYL ACETATE POLYMER (EVA)

<table>
<thead>
<tr>
<th>%</th>
<th>5.5000 - 7.2000</th>
<th>GS</th>
<th>LT-UNK</th>
<th>RC</th>
<th>None</th>
<th>NANO</th>
<th>No</th>
<th>ROLE</th>
<th>Binder</th>
</tr>
</thead>
</table>

#### HAZARDS
None Found  
No warnings found on HPD Priority lists

#### SUBSTANCE NOTES
Polyethylene based polyolefin is used as a soft binder. By using naturally soft polymer no plastiziser is needed.

### POLYETHYLENE TEREPTHALATE GLYCOL (PETG)

<table>
<thead>
<tr>
<th>%</th>
<th>2.8000 - 3.6000</th>
<th>GS</th>
<th>NoGS</th>
<th>RC</th>
<th>None</th>
<th>NANO</th>
<th>No</th>
<th>ROLE</th>
<th>Printed decorative layer</th>
</tr>
</thead>
</table>

#### HAZARDS
None Found  
No warnings found on HPD Priority lists

#### SUBSTANCE NOTES
Printed PETG film. Possible other compounds like printing inks will be far below the threshold level.

### ACRYLIC POLYMERS

<table>
<thead>
<tr>
<th>%</th>
<th>0.5000 - 1.0000</th>
<th>GS</th>
<th>NoGS</th>
<th>RC</th>
<th>None</th>
<th>NANO</th>
<th>No</th>
<th>ROLE</th>
<th>Fully cured surface treatment</th>
</tr>
</thead>
</table>

#### HAZARDS
None Found  
No warnings found on HPD Priority lists

#### SUBSTANCE NOTES
Fully cured acrylate 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

<table>
<thead>
<tr>
<th>%</th>
<th>Impurity/Residual</th>
<th>GS</th>
<th>LT-1</th>
<th>RC</th>
<th>None</th>
<th>NANO</th>
<th>No</th>
<th>ROLE</th>
<th>Impurity/Residual</th>
</tr>
</thead>
</table>

#### HAZARDS
CANCER  
US CDC - Occupational Carcinogens  
Occupational Carcinogen  
CA EPA - Prop 65  
Carcinogen - specific to chemical form or exposure route  
IARC  
Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor  
MAK  
Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

#### 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

| %: 0.0000 - 0.5000 | GS: LT-1 | RC: None | NANO: No | ROLE: Color pigment |

HAZARDS:

<table>
<thead>
<tr>
<th>CANCER</th>
<th>AGENCY(IES) WITH WARNINGS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>

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)

| %: Impurity/Residual | GS: LT-UNK | RC: None | NANO: No | ROLE: Impurity/Residual |

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

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-PHENYLEANZO)]BIS[N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL -5-YL)-3-OXO-]

| %: Impurity/Residual | GS: LT-UNK | RC: None | NANO: No | ROLE: Impurity/Residual |

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

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

| %: Impurity/Residual | GS: BM-3 | RC: None | NANO: No | ROLE: Impurity/Residual |

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

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.
<table>
<thead>
<tr>
<th>Compound</th>
<th>ID</th>
<th>% Range</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS:</th>
<th>AGENCY(IES) WITH WARNINGS:</th>
<th>SUBSTANCE NOTES:</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-NAPHTHALENECARBOXAMIDE, N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL-5-YL)-3-HYDROXY-4-[2-METHOXY-5-METHYL-4-[(METHYLAMINO)SULFONYL]PHENYL]AZO]</td>
<td></td>
<td></td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>Pigment Red. Used small amount where bright red color is needed.</td>
<td></td>
</tr>
<tr>
<td>IRON OXIDE BLACK</td>
<td>12227-89-3</td>
<td>0.0000 - 2.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Color pigment</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>Pigment black. Used in where black color is needed.</td>
<td></td>
</tr>
<tr>
<td>FERRIC OXIDE YELLOW</td>
<td>51274-00-1</td>
<td></td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>C.I. Pigment Yellow 42</td>
<td></td>
</tr>
</tbody>
</table>
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>RFCI FloorScore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICABLE FACILITIES:** Upofloor production site, Ikaalinen, Finland

**CERTIFICATE URL:** [https://www.scsglobalservices.com/certified-green-products-guide](https://www.scsglobalservices.com/certified-green-products-guide)

**ISSUE DATE:** 2017-12-01

**EXPIRY DATE:** 2018-11-30

**CERTIFIER OR LAB:** SCS Global Services

**CERTIFICATION AND COMPLIANCE NOTES:** SCS-FS-02256

### VOC EMISSIONS

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Emission Classification of Building Materials - M1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICABLE FACILITIES:** Upofloor Oy Ikaalinen, Finland

**CERTIFICATE URL:** [The Building Information Foundation RTS sr](https://www.scfg-trs.com)

**ISSUE DATE:** 2017-09-24

**EXPIRY DATE:** 2020-09-24

**CERTIFIER OR LAB:** The Building Information Foundation RTS sr

**CERTIFICATION AND COMPLIANCE NOTES:** The Building Information Foundation RTS sr

### VOC EMISSIONS

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Blue Angel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICABLE FACILITIES:** Upofloor, Ikaalinen, Finland

**CERTIFICATE URL:** [RAL gGmbH](https://www.ral.de)

**ISSUE DATE:** 2018-01-29

**EXPIRY DATE:**

**CERTIFIER OR LAB:** RAL gGmbH

**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

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