

# EPD

Environmental  
Product  
Declaration

04DB42A4



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## Interface®

### Open Air 402 CQuest Bio

surface pile weight: 331 g/m<sup>2</sup>

pile material: polyamide 6 with 100% recycled content

backing: CQuest Bio backing, heavy backing with textile bottom

**These EPD data are only valid in combination with**

**the environmental product declaration EPD-INT-20250141-CBA1-EN published by Institut  
Bauen und Umwelt e.V. (IBU) and a GUT/Prodis license**

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**This data set gives product specific LCA results**

**based on the calculation procedure described in the above mentioned EPD.**



## Calculation method for similar Products of the EPD document

The EPD document is valid for all products with a surface pile weight lower or equal to the declared maximum pile weight of **1500 g/m<sup>2</sup>**.

The respective declaration number is **EPD-INT-20250141-CBA1-EN**.

This document indicates more specific LCA results for (a) product(s) with identical material compositions and production parameters. The product(s) belong(s) to the same family of products and only differ in its/their pile weight(s).

LCA results show a linear correlation with the total pile weight, for all impact categories (IC) and all modules (A-D). It is possible to calculate specific LCA results (IC<sub>x</sub>) for every carpet (x) within the declared group of products in relation to its total pile weight (P<sub>x</sub>).

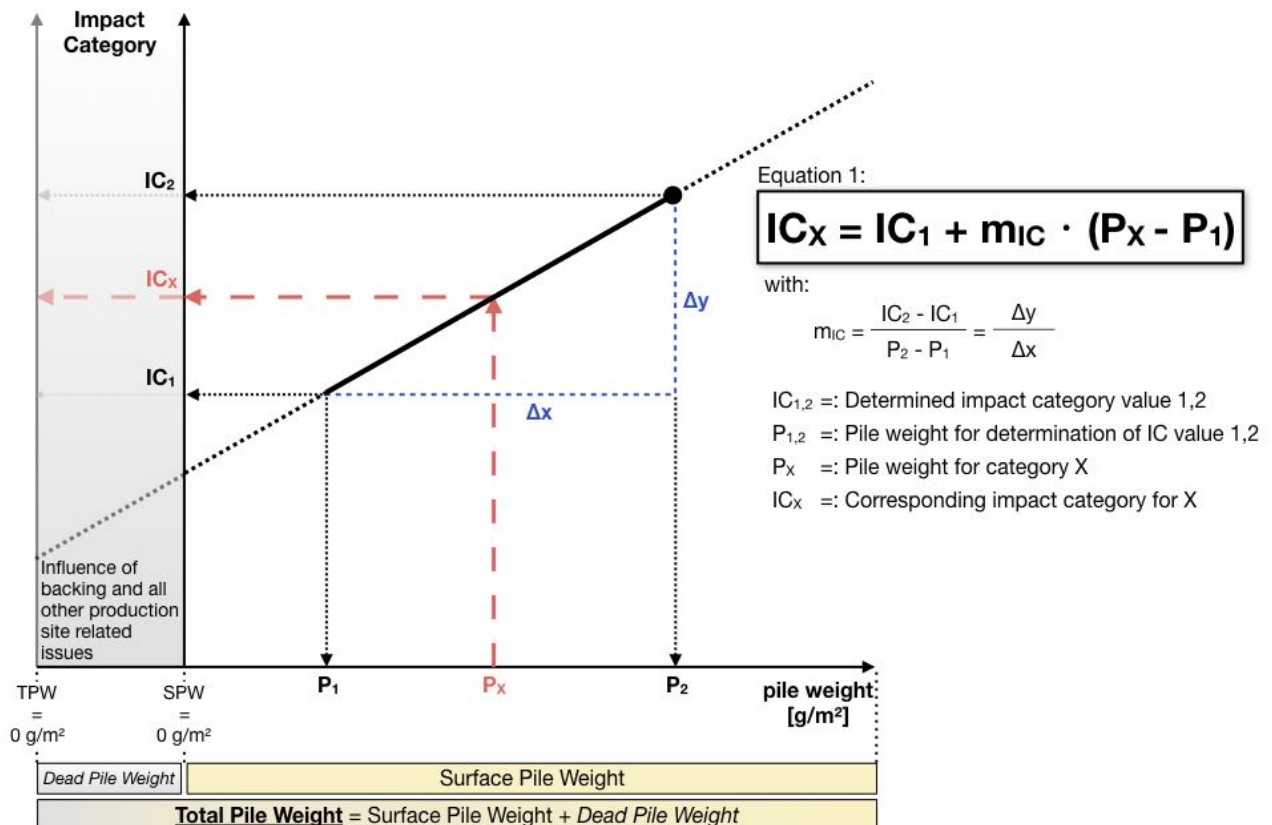
The total pile weight (TPW) is the sum of surface pile weight (SPW) and dead pile weight (DPW):

$$TPW = SPW + DPW$$



The surface pile weight is the technical relevant value according to EN 1307 and has to be mentioned in technical specification. As shown in the figure below alternatively to the total pile weight the surface pile weight can be used to calculate LCA results (IC<sub>x</sub>).

### General formula for the calculation of all impact categories IC<sub>x</sub>



Graph 1: General formula for the calculation of all impact categories IC<sub>x</sub>.

# 1. Information on the product Open Air 402 CQuest Bio

## Product description

### Constructional data according to EN 1307

| Name                | Value                             | Unit             |
|---------------------|-----------------------------------|------------------|
| Product form        | Modular carpet tiles              | -                |
| Type of manufacture | Tufted carpet                     | -                |
| Yarn type           | Polyamide 6                       | -                |
| Total carpet weight | max. 4101                         | g/m <sup>2</sup> |
| Surface pile weight | max. 331                          | g/m <sup>2</sup> |
| Secondary backing   | Heavy backing with textile bottom | -                |

### Base materials/Ancillary materials

| Name                         | Value | Unit |
|------------------------------|-------|------|
| Polyamide 6                  | 17,9  | %    |
| Polypropylene                | 1,2   | %    |
| Polyester                    | 2,9   | %    |
| Ethylene vinyl acetate (EVA) | 6,6   | %    |
| Limestone                    | 59,4  | %    |
| Additives                    | 3,2   | %    |
| Wood resin                   | 8,0   | %    |
| Glass fibre                  | 0,8   | %    |

## LCA: Calculation rules

### Declared Unit

| Name          | Value | Unit              |
|---------------|-------|-------------------|
| Declared unit | 1     | m <sup>2</sup>    |
| Grammage      | 4,101 | kg/m <sup>2</sup> |

## LCA: Scenarios and additional technical information

All indicated values refer to the declared functional unit

### Characteristic product properties: Information on biogenic Carbon

| Name                                                              | Value | Unit |
|-------------------------------------------------------------------|-------|------|
| Biogenic Carbon Content in accompanying packaging at factory gate | 0,064 | kg C |

1 kg biogenic Carbon is equivalent to 44/12 kg of CO<sub>2</sub>

### Transport to the construction site (A4)

| Name                                        | Value  | Unit    |
|---------------------------------------------|--------|---------|
| Litres of fuel (truck, EURO 0-6 mix)        | 0,0114 | l/100km |
| Transport distance                          | 700    | km      |
| Capacity utilisation (including empty runs) | 55     | %       |

### Installation in the building (A5)

| Name          | Value | Unit |
|---------------|-------|------|
| Material loss | 0,123 | kg   |

### Maintenance (B2)

| Name                                | Value | Unit           |
|-------------------------------------|-------|----------------|
| Maintenance cycle (vacuum cleaning) | 208   | 1/year         |
| Maintenance cycle (wet cleaning)    | 1,50  | 1/year         |
| Water consumption (wet cleaning)    | 0,004 | m <sup>3</sup> |
| Cleaning agent (wet cleaning)       | 0,09  | kg             |
| Electricity consumption             | 0,314 | kWh            |

Indication per m<sup>2</sup> and year

### Service life

| Name                                                                                          | Value                                                      | Unit |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------|------|
| Life Span (according to manufacturer)                                                         | 15                                                         | year |
| Declared product properties (at the gate) and finishes                                        | Corresponds to the specifications of EN 1307               | -    |
| An assumed quality of work, when installed in accordance with the manufacturer's instructions | Conforms to the manufacturer's instructions                | -    |
| Usage conditions, e.g. frequency of use, mechanical exposure                                  | Use in areas defined by the use class according to EN 1307 | -    |
| Maintenance e.g. required frequency, type and quality and replacement of components           | According to the manufacturers instructions                | -    |

### End of life scenarios (SC0-SC2)

| Name                                  | SC1  | SC2  | SC3  | Unit |
|---------------------------------------|------|------|------|------|
| Collected as mixed construction waste | 4,10 | 4,10 | -    | kg   |
| Collected separately                  | -    | -    | 4,10 | kg   |
| Landfilling                           | 4,10 | -    | -    | kg   |
| Energy recovery                       | -    | 4,10 | 1,63 | kg   |
| Recycling                             | -    | -    | 2,47 | kg   |

**SC0:** 100% landfill disposal, **SC1:** 100% municipal waste incineration (MWI) with R1>0.6, **SC2:** 100% recovery in the cement industry

## LCA: Results

Modules C1, C3, C4/1 and C4/2 cause no additional impact (see "LCA: Calculation rules"). Module C2 represents the transport for scenarios 0, 1 and 2. Column D/3 represents module D/A5.

## Description of the system boundary

(X = Included in LCA; ND = Module or indicator not declared; MNR = Module not relevant)

| State of production |           |               | State of construction phase         |          | State of use |             |        |             |               |            |           | End of life state           |           |                  |          | Credits and loads after life            |  |
|---------------------|-----------|---------------|-------------------------------------|----------|--------------|-------------|--------|-------------|---------------|------------|-----------|-----------------------------|-----------|------------------|----------|-----------------------------------------|--|
| raw material supply | transport | manufacturing | transport from the gate to the site | assembly | use          | maintenance | repair | replacement | refurbishment | energy use | water use | deconstruction / demolition | transport | waste processing | disposal | reuse, recovery and recycling potential |  |
| A1                  | A2        | A3            | A4                                  | A5       | B1           | B2          | B3     | B4          | B5            | B6         | B7        | C1                          | C2        | C3               | C4       | D                                       |  |
| X                   | X         | X             | X                                   | X        | X            | X           | MNR    | MNR         | MNR           | ND         | ND        | X                           | X         | X                | X        | X                                       |  |

## Results of the LCA - Environmental impact according to EN 15804+A2: for 1 m<sup>2</sup> floor covering

| Core Indicator | Unit                                                                                                                                                                                                                                                                                                                                                                                                                | A1-A3     | A4       | A5       | B1       | B2       | C1       | C2       | C3/1     | C3/2     | C4       | D        | D/1       | D/2       | D/3       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| GWP-total      | [kg CO <sub>2</sub> -Eq.]                                                                                                                                                                                                                                                                                                                                                                                           | 2,55E+00  | 3,06E-01 | 2,53E-01 | 0,00E+00 | 5,09E-01 | 0,00E+00 | 1,69E-02 | 4,21E+00 | 4,27E+00 | 1,22E+00 | 0,00E+00 | -3,70E-01 | -1,06E-01 | -1,11E-02 |
| GWP-fossil     | [kg CO <sub>2</sub> -Eq.]                                                                                                                                                                                                                                                                                                                                                                                           | 3,87E+00  | 2,99E-01 | 2,19E-01 | 0,00E+00 | 3,09E-01 | 0,00E+00 | 1,65E-02 | 3,11E+00 | 3,16E+00 | 1,18E-01 | 0,00E+00 | -3,68E-01 | -1,06E-01 | -1,10E-02 |
| GWP-biogenic   | [kg CO <sub>2</sub> -Eq.]                                                                                                                                                                                                                                                                                                                                                                                           | -1,33E+00 | 7,62E-04 | 3,32E-02 | 0,00E+00 | 3,60E-03 | 0,00E+00 | 4,20E-05 | 1,11E+00 | 1,11E+00 | 1,65E-01 | 0,00E+00 | -1,59E-03 | 6,41E-05  | -4,78E-05 |
| GWP-luluc      | [kg CO <sub>2</sub> -Eq.]                                                                                                                                                                                                                                                                                                                                                                                           | 9,83E-03  | 5,13E-03 | 4,80E-04 | 0,00E+00 | 1,96E-01 | 0,00E+00 | 2,82E-04 | 6,14E-04 | 1,32E-03 | 4,44E-04 | 0,00E+00 | -3,34E-05 | -1,02E-04 | -1,00E-06 |
| ODP            | [kg CFC <sub>11</sub> -Eq.]                                                                                                                                                                                                                                                                                                                                                                                         | 2,19E-08  | 3,08E-14 | 6,59E-10 | 0,00E+00 | 3,42E-08 | 0,00E+00 | 1,70E-15 | 1,05E-12 | 1,44E-12 | 3,97E-13 | 0,00E+00 | -3,28E-12 | -2,61E-13 | -9,83E-14 |
| AP             | [kg H <sup>+</sup> -Eq.]                                                                                                                                                                                                                                                                                                                                                                                            | 1,83E-02  | 1,88E-03 | 7,31E-04 | 0,00E+00 | 7,45E-04 | 0,00E+00 | 1,03E-04 | 3,98E-03 | 4,28E-03 | 7,22E-04 | 0,00E+00 | -3,86E-04 | -2,96E-04 | -1,16E-05 |
| EP-freshwater  | [kg P-Eq.]                                                                                                                                                                                                                                                                                                                                                                                                          | 1,32E-04  | 1,30E-06 | 4,03E-06 | 0,00E+00 | 5,26E-06 | 0,00E+00 | 7,18E-08 | 9,35E-07 | 1,19E-06 | 6,91E-05 | 0,00E+00 | -6,11E-07 | -1,34E-07 | -1,83E-08 |
| EP-marine      | [kg N-Eq.]                                                                                                                                                                                                                                                                                                                                                                                                          | 6,10E-03  | 9,22E-04 | 2,71E-04 | 0,00E+00 | 1,81E-04 | 0,00E+00 | 5,09E-05 | 1,93E-03 | 2,06E-03 | 1,55E-04 | 0,00E+00 | -1,18E-04 | -1,04E-04 | -3,54E-06 |
| EP-terrestrial | [kg N-Eq.]                                                                                                                                                                                                                                                                                                                                                                                                          | 5,79E-02  | 1,02E-02 | 2,71E-03 | 0,00E+00 | 2,66E-03 | 0,00E+00 | 5,64E-04 | 2,15E-02 | 7,35E-03 | 1,71E-03 | 0,00E+00 | -1,27E-03 | -1,14E-03 | -3,79E-05 |
| POCP           | [kg NMVOC-Eq.]                                                                                                                                                                                                                                                                                                                                                                                                      | 1,50E-02  | 1,77E-03 | 6,55E-04 | 4,18E-04 | 9,44E-04 | 0,00E+00 | 9,74E-05 | 4,97E-03 | 5,23E-03 | 4,97E-04 | 0,00E+00 | -3,34E-04 | -3,37E-04 | -1,00E-05 |
| ADPE           | [kg Sb-Eq.]                                                                                                                                                                                                                                                                                                                                                                                                         | 1,88E-06  | 2,60E-08 | 5,77E-08 | 0,00E+00 | 2,15E-07 | 0,00E+00 | 1,44E-09 | 1,53E-08 | 2,20E-08 | 8,00E-09 | 0,00E+00 | -3,19E-08 | -5,37E-09 | -9,58E-10 |
| ADPF           | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                | 7,03E+01  | 3,99E+00 | 2,33E+00 | 0,00E+00 | 5,62E+00 | 0,00E+00 | 2,19E-01 | 2,87E+00 | 3,78E+00 | 2,04E+00 | 0,00E+00 | -6,57E+00 | -1,79E+01 | -1,97E-01 |
| WDP            | [m <sup>3</sup> world-Eq. deprived]                                                                                                                                                                                                                                                                                                                                                                                 | 1,81E+01  | 4,54E-03 | 5,63E-01 | 0,00E+00 | 9,97E-02 | 0,00E+00 | 2,50E-04 | 6,13E-01 | 6,18E-01 | 1,56E-02 | 0,00E+00 | -4,01E-02 | -1,43E-02 | -1,20E-03 |
| Caption        | GWP = Global warming potential; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential of land and water; EP = Eutrophication potential; POCP = Formation potential of tropospheric ozone photochemical oxidants; ADPE = Abiotic depletion potential for non- fossil resources; ADPF = Abiotic depletion potential for fossil resources; WDP = Water (user) deprivation potential |           |          |          |          |          |          |          |          |          |          |          |           |           |           |

## Results of the LCA - Indicators to describe resource use according to EN 15804+A2: for 1 m<sup>2</sup> floor covering

| Core Indicator | Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A1-A3    | A4       | A5        | B1       | B2       | C1       | C2       | C3/1      | C3/2      | C4       | D        | D/1       | D/2       | D/3       |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------|----------|----------|----------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|
| PERE           | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6,05E+01 | 3,37E-01 | 2,46E+00  | 0,00E+00 | 4,03E+00 | 0,00E+00 | 1,86E-02 | 1,16E+01  | 1,19E+01  | 3,08E-01 | 0,00E+00 | -2,19E+00 | -1,53E-01 | -6,58E-02 |
| PERM           | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,12E+01 | 0,00E+00 | -2,83E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | -1,10E+01 | -1,10E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| PERT           | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7,18E+01 | 3,37E-01 | 2,18E+00  | 0,00E+00 | 4,03E+00 | 0,00E+00 | 1,86E-02 | 6,56E-01  | 9,60E-01  | 3,08E-01 | 0,00E+00 | -2,19E+00 | -1,53E-01 | -6,58E-02 |
| PENRE          | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5,39E+01 | 3,99E+00 | 2,62E+00  | 0,00E+00 | 5,62E+00 | 0,00E+00 | 2,19E-01 | 1,90E+01  | 1,99E+01  | 2,04E+00 | 0,00E+00 | -6,57E+00 | -1,79E+01 | -1,97E-01 |
| PENRM          | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,64E+01 | 0,00E+00 | -2,95E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | -1,61E+01 | -1,61E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| PENRT          | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7,03E+01 | 3,99E+00 | 2,33E+00  | 0,00E+00 | 5,62E+00 | 0,00E+00 | 2,19E-01 | 2,87E+00  | 3,78E+00  | 2,04E+00 | 0,00E+00 | -6,57E+00 | -1,79E+01 | -1,97E-01 |
| SM             | [kg]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3,42E+00 | 0,00E+00 | 1,03E-01  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| RSF            | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| NRSF           | [MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| FW             | [m <sup>3</sup> ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4,34E-01 | 3,78E-04 | 1,35E-02  | 0,00E+00 | 3,31E-03 | 0,00E+00 | 2,09E-05 | 4,46E-01  | 1,47E-02  | 4,65E-04 | 0,00E+00 | -1,69E-03 | -1,54E-03 | -5,05E-05 |
| Caption        | PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water |          |          |           |          |          |          |          |           |           |          |          |           |           |           |

## Results of the LCA - Waste categories and output flows according to EN 15804+A2: for 1 m<sup>2</sup> floor covering

| Core Indicator | Unit                                                                                                                                                                                                                                                                    | A1-A3    | A4       | A5       | B1       | B2       | C1       | C2       | C3/1     | C3/2     | C4       | D        | D/1       | D/2       | D/3       |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| HWD            | [kg]                                                                                                                                                                                                                                                                    | 2,10E-03 | 1,29E-10 | 6,31E-05 | 0,00E+00 | 4,19E-05 | 0,00E+00 | 7,10E-12 | 1,32E-09 | 1,86E-09 | 5,03E-10 | 0,00E+00 | -4,44E-09 | -3,36E-10 | -1,33E-10 |
| NHWD           | [kg]                                                                                                                                                                                                                                                                    | 3,32E-01 | 6,20E-04 | 4,74E-02 | 0,00E+00 | 7,35E-03 | 0,00E+00 | 3,41E-05 | 1,25E+00 | 1,25E+00 | 4,08E+00 | 0,00E+00 | -3,42E-03 | -3,57E-04 | -1,03E-04 |
| RWD            | [kg]                                                                                                                                                                                                                                                                    | 1,73E-03 | 5,15E-06 | 5,51E-05 | 0,00E+00 | 3,54E-04 | 0,00E+00 | 2,83E-07 | 1,02E-04 | 1,59E-04 | 2,87E-05 | 0,00E+00 | -4,85E-04 | -2,98E-05 | -1,45E-05 |
| CRU            | [kg]                                                                                                                                                                                                                                                                    | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| MFR            | [kg]                                                                                                                                                                                                                                                                    | 1,78E-02 | 0,00E+00 | 5,33E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,40E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| MER            | [kg]                                                                                                                                                                                                                                                                    | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| EEE            | [MJ]                                                                                                                                                                                                                                                                    | 0,00E+00 | 0,00E+00 | 1,26E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,19E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| EET            | [MJ]                                                                                                                                                                                                                                                                    | 0,00E+00 | 0,00E+00 | 2,41E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,04E+00 | 7,35E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00  | 0,00E+00  |
| Caption        | HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy |          |          |          |          |          |          |          |          |          |          |          |           |           |           |

## Results of the LCA - Additional impact categories according to EN 15804+A2: for 1 m<sup>2</sup> floor covering

| Core Indicator | Unit                                                                                                                                                                                                                                                                                                                                                           | A1-A3    | A4       | A5       | B1       | B2       | C1       | C2       | C3/1     | C3/2     | C4       | D        | D/1       | D/2       | D/3       |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| PM             | [Disease Incidence]                                                                                                                                                                                                                                                                                                                                            | 1,63E-07 | 1,21E-08 | 5,93E-09 | 0,00E+00 | 6,78E-08 | 0,00E+00 | 6,65E-10 | 2,16E-08 | 2,36E-08 | 7,46E-09 | 0,00E+00 | -3,17E-09 | -4,11E-09 | -9,50E-11 |
| IRP            | [kBq U235-Eq.]                                                                                                                                                                                                                                                                                                                                                 | 2,70E-01 | 7,19E-04 | 8,58E-03 | 0,00E+00 | 6,31E-02 | 0,00E+00 | 3,96E-05 | 1,54E-02 | 2,49E-02 | 3,94E-03 | 0,00E+00 | -7,98E-02 | -2,47E-03 | -2,39E-03 |
| ETP-fw         | [CTUe]                                                                                                                                                                                                                                                                                                                                                         | 4,08E+01 | 2,93E+00 | 1,36E+00 | 3,60E-03 | 2,01E+00 | 0,00E+00 | 1,61E-01 | 1,43E+00 | 1,94E+00 | 4,40E+00 | 0,00E+00 | -9,28E-01 | 3,17E+00  | -2,78E-02 |
| HTP-c          | [CTUh]                                                                                                                                                                                                                                                                                                                                                         | 2,11E-09 | 5,90E-11 | 6,69E-11 | 0,00E+00 | 6,23E-10 | 0,00E+00 | 3,25E-12 | 5,83E-11 | 7,22E-11 | 6,53E-11 | 0,00E+00 | -7,52E-11 | -2,79E-11 | -2,26E-12 |
| HTP-nc         | [CTUh]                                                                                                                                                                                                                                                                                                                                                         | 4,43E-08 | 2,62E-09 | 1,49E-09 | 2,60E-11 | 5,85E-09 | 0,00E+00 | 1,45E-10 | 2,57E-09 | 3,02E-09 | 1,36E-09 | 0,00E+00 | -1,77E-09 | -9,26E-10 | -5,30E-11 |
| SQP            | [-]                                                                                                                                                                                                                                                                                                                                                            | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND        | ND        | ND        |
| Caption        | PM = Potential incidence of disease due to PM emissions; IRP = Potential Human exposure efficiency relative to U235; ETP-fw = Potential comparative Toxic Unit for ecosystems; HTP-c = Potential comparative Toxic Unit for humans (cancerogenic); HTP-nc = Potential comparative Toxic Unit for humans (not cancerogenic); SQP = Potential soil quality index |          |          |          |          |          |          |          |          |          |          |          |           |           |           |

No substantiated values can be given for the SQP indicator with the existing database.

The result figures given in module B2 refer to a period of 1 year because a reference service life is not declared. They have to be multiplied by the assumed service life (in years) of the floor covering in the building under consideration.

Disclaimer 1 – for the indicator “Potential Human exposure efficiency relative to U235”.

This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Disclaimer 2 – for the indicators “abiotic depletion potential for non-fossil resources”, “abiotic depletion potential for fossil resources”, “water (user) deprivation potential, deprivation-weighted water consumption”, “potential comparative toxic unit for ecosystems”, “potential comparative toxic unit for humans – cancerogenic”, “Potential comparative toxic unit for humans - not cancerogenic”, “potential soil quality index”.

The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

## References

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### EN 16810

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### ISO 15686

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ISO 15686-2: 2012-05: Part 2: Service life prediction procedures

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