

Statement of Verification

BREG EN EPD No.: 000152 ECO EPD Ref. No. 00000666

This is to verify that the

Environmental Product Declaration

provided by:

Sika Ltd

is in accordance with the requirements of:

EN 15804:2012+A1:2013

and

BRE Global Scheme Document SD207

This declaration is for:

Sika ComfortFloor® PS-65 floor finish

Company Address

Watchmead Welwyn Garden City AL7 1BQ





BUILDING TRUST



Signed for BRE Global Ltd

03 April 2018 Date of First Issue

Emma Baker

Operator

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Issue 01

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Environmental Product Declaration

EPD Number: 000152

General Information

| EPD Programme Operator | Applicable Product Category Rules | | | | | | |
|--|---|--|--|--|--|--|--|
| BRE Global Watford, Herts WD25 9XX United Kingdom | BRE Environmental Profiles 2013 Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013 | | | | | | |
| Commissioner of LCA study | LCA consultant/Tool | | | | | | |
| Sika Ltd Watchmead Welwyn Garden City AL7 1BQ | Andrew Dutfield BRE Bucknalls Lane Watford WD25 9XX | | | | | | |
| Declared/Functional Unit | Applicability/Coverage | | | | | | |
| 1 m ² of Sika ComfortFloor [®] PS-65 floor finish installed as appropriate, to include regular cleaning and maintenance, and any repair, refurbishment or replacement over a 60 year study period. | Manufacturer specific product system. | | | | | | |
| EPD Type | Background database | | | | | | |
| Cradle to Grave | ecoinvent | | | | | | |
| Demonstra | ation of Verification | | | | | | |
| CEN standard EN 15 | 5804 serves as the core PCR ^a | | | | | | |
| Independent verification of the declaration and data according to EN ISO 14025:2010 □ Internal ⊠ External | | | | | | | |
| (Where appropriate ^b)Third party verifier: Nigel Jones | | | | | | | |
| a: Product category rules b: Optional for business-to-business communication; mandatory for business-to-consumer communication (see EN ISO 14025:2010, 9.4) | | | | | | | |

Comparability

Environmental product declarations from different programmes may not be comparable if not compliant with EN 15804:2012+A1:2013. Comparability is further dependent on the specific product category rules, system boundaries and allocations, and background data sources. See Clause 5.3 of EN 15804:2012+A1:2013 for further guidance



Information modules covered

| ı | Product | | Construction | | Use stage Related to the building fabric | | | | Related to End-of-life | | | | Pelated to End-of-life | | | End-of-life | | | Benefits and loads beyond the system |
|----------------------|-----------|-------------------------|-------------------|--------------------------------|---|-------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------------|-------------------------|-------------------------|-------------------------|--|--|--|--|
| | | | | | Rel | ated to | the bui | lding fa | bric | | uilding | | | | | boundary | | | |
| A1 | A2 | А3 | A4 | A 5 | B1 | B2 | В3 | B4 | B5 | В6 | В7 | C1 | C2 | C3 | C4 | D | | | |
| Raw materials supply | Transport | Manufacturing | Transport to site | Construction – Installation | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | Deconstruction demolition | Transport | Waste processing | Disposal | Reuse, Recovery and/or Recycling potential | | | |
| V | V | $\overline{\mathbf{V}}$ | | | V | | $\overline{\checkmark}$ | $\overline{\mathbf{V}}$ | | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\mathbf{V}}$ | $\overline{\mathbf{A}}$ | | | | |

Note: Ticks indicate the Information Modules declared.

Manufacturing site(s)

Sika Nederland B.V. Duurstedeweg 7 7418CK Deventer Netherlands Sika Deutschland GmbH Kornwestheimerstr. 103-107 70439 Stuttgart Germany

Construction Product:

Product Description

Sika ComfortFloor® PS-65 system is a high elastic polyurethane self-smoothening flooring system and is part of the Sika ComfortFloor® system range. The Sika ComfortFloor® PS-65 system is especially designed for decorative areas where high comfort under feet, soft footfall and increased impact noise reduction are required. The system is composed of a highly elastic, crack bridging polyurethane which fulfils the stringent demands for low VOC emitting products.

Technical Information

| Property | Value, Unit |
|--|---------------------------------------|
| Shore A Hardness (DIN 53505) | ~ 80 (14 days/+23°C) |
| Resistance to Wearing (EN 660-2:1999) | Wearing group M |
| Resistance to moving furniture (EN 424:2002) | No damage |
| Castor chair resistance (EN 425:1994) | No damage (25000 cycles) |
| Resistance to Impact (ISO 6272) | Class II |
| Indentation (EN 433:1994) | 0.07 mm |
| Tensile Strength (DIN 53504) | ~ 8.0 N/mm² (14 days/+23°C/Base coat) |
| Tensile Adhesion Strength (EN 13892-8) | > 1.5 N/mm ² |
| Reaction to Fire (EN 13501-1) | Bfl-s1 |



| Property | Value, Unit |
|---|---|
| Chemical Resistance | Sika ComfortFloor® PS-65 always has to be sealed with Sikafloor®-305 W. Refer to the chemical resistance of Sikafloor®-305 W. |
| UV Exposure (EN ISO 105-B02:2002) | 8 / Colour fastness |
| Capillary Absorption (EN 1062-3) | < 0.01 kg/(m ² h ^{0,5}) |
| Permeability to CO ₂ (EN 1062-6) | > 50 meter |
| Sound Insulation (EN ISO 140-8) | 19 dB |
| Skid / Slip Resistance (DIN 51130) | R10 / R11 |



Main Product Contents

The table below shows the SIKA component layers that make up the Sika ComfortFloor® PS-65 system. The actual chemical inputs are not disclosed due to confidentiality reasons, but the product does not contain substances on the SVHC list of chemicals.

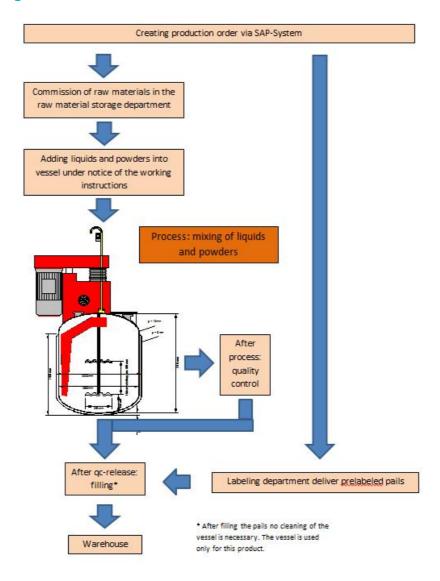
| Material/Chemical Input | Kg/m² |
|-----------------------------------|-------|
| Sikafloor® Comfort Adhesive | 0.9 |
| Sikafloor® Comfort Regupol®-6015H | 2.7 |
| Sikafloor® Comfort Porefiller | 1.0 |
| Sikafloor®-330 base coat | 2.6 |
| Sikafloor®-305W seal coat | 0.27 |
| Total product weight | 7.67 |



Manufacturing Process

A flooring product from the ComfortFloor® family (e.g. Sikafloor®-330) is compounded as a master-batch by mixing the base polymer with all additives, fillers, stabilizers and pigments. The production starts with the printing of the process order and the respective labels. Next, the raw materials are collected, sent to the dissolvers and charged under slow power mixing. Following a proper mixing the dispersing process is sped up for the next five minutes. Finally under a slow mixing the disperser is put on vacuum mode and the contents are drawn off by gravity. Once packed in the correct type of pails or canisters they are labelled and then sent on to the installation where they are applied in required layers to complete the flooring system.

Process flow diagram



Construction Installation

The selected method of preparation will depend on the surface condition, environmental constraints and availability of services. The method may be selected on the basis of trial areas, approved by the Contract Administrator. Throughout that application process, a substrates preparation is integral to successful application. Pull off tests, measuring the moisture content, surface levelling and industrial vacuuming are the



areas that must be paid special attention. For the specific mixing and application information please see the Sika Information Manual Mixing & Application of Flooring Systems.

Use Information

Sika ComfortFloor® is odourless during installation and use, and it meets all indoor air quality regulations regarding volatile organic compound (VOC) emissions, which can be harmful to human health and the environment. The constitution of Sika ComfortFloor® also means it will not support the growth of bacteria or fungus, and because it is completely seamless it is also very easy to clean and thus maintain a hygienic environment.

End of Life

When the ComfortFloor® system reaches its end of life it can be lightly sanded back to the base coat, then refurbished with the application of a fresh topcoat to produce a new system. The system can be disposed of in an incinerator or sent to landfill when building reaches its end of life

Life Cycle Assessment Calculation Rules

Declared / Functional unit description

1 m² of Sika ComfortFloor® PS-65 floor finish installed as appropriate, to include regular cleaning and maintenance, and any repair, refurbishment or replacement over a 60 year study period.

System boundary

This is a cradle-to-grave EPD. Modules A1 to C4 inclusive are assessed. Benefits and loads beyond the system boundary (Module D) have not been included.

Data sources, quality and allocation

Manufacturer-specific data from Sika Ltd covering a production period of 1 year [01/01/2013 to 31/12/2013] from the Deventer and Stuttgart sites has been used for this EPD. Apart from raw material input, other site data were allocated appropriately.

The technological coverage reflects the physical reality of the declared product system, and the secondary data in the modelling was from ecoinvent v3 using SimaPro, and this generic data has been checked for plausibility.

Cut-off criteria

Data collected at the Sika Deventer and Stuttgart manufacturing sites was used. The inventory process in this LCA includes all data related to raw material, packaging material and consumable items, and the associated transport to the manufacturing site. Process energy and water use, direct production waste and emissions to air and water are included. Scenarios have been developed to account for downstream processes such as demolition and waste treatment in accordance with the requirements of EN 15804.



LCA Results

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

| Parameters describing environmental impacts | | | | | | | | | | | | |
|---|---|------|------------------------------|---------------------|------------------|---|-------------------|-----------------|--------------------------------|--|--|--|
| | | | GWP | ODP | AP | EP | POCP | ADPE | ADPF | | | |
| | | | kg CO ₂ equiv. | kg CFC 11 equiv. | kg SO₂ equiv. | kg (PO ₄) ³⁻ equiv. | kg C₂H₄ equiv. | kg Sb equiv. | MJ, net calorific value. | | | |
| | Raw material supply | A1 | AGG | AGG | AGG | AGG | AGG | AGG | AGG | | | |
| Product stage | Transport | A2 | AGG | AGG | AGG | AGG | AGG | AGG | AGG | | | |
| 1 Toduct Stage | Manufacturing | A3 | AGG | AGG | AGG | AGG | AGG | AGG | AGG | | | |
| | Total (of product stage) | A1-3 | 11.5 | 1.08E-06 | 0.0694 | 0.0260 | 0.0115 | 0.000196 | 273 | | | |
| Construction | Transport | A4 | 0.125 | 2.32E-08 | 0.000314 | 8.38E-05 | 6.61E-05 | 3.38E-07 | 1.90 | | | |
| process stage | Construction | A5 | 0.620 | 5.61E-08 | 0.00351 | 0.00376 | 0.000587 | 9.81E-06 | 13.8 | | | |
| | Use | B1 | MNR | MNR | MNR | MNR | MNR | MNR | MNR | | | |
| | Maintenance | B2 | 19.3 | 1.23E-06 | 0.103 | 0.0240 | 0.00945 | 3.3E-05 | 333 | | | |
| | Repair | В3 | MNR | MNR | MNR | MNR | MNR | MNR | MNR | | | |
| Use stage | Replacement | B4 | MNR | MNR | MNR | MNR | MNR | MNR | MNR | | | |
| | Refurbishment | B5 | 22.2 | 2.12E-06 | 0.171 | 0.0906 | 0.0199 | 0.000381 | 418 | | | |
| | Operational energy use | B6 | MNR | MNR | MNR | MNR | MNR | MNR | MNR | | | |
| | Operational water use | В7 | MNR | MNR | MNR | MNR | MNR | MNR | MNR | | | |
| | Deconstruction, demolition | C1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| End of life | Transport | C2 | 0.125 | 2.32E-08 | 0.000314 | 8.38E-05 | 6.61E-05 | 3.38E-07 | 1.90 | | | |
| LIN OF IIIC | Waste processing | СЗ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | Disposal | C4 | 0.674 | 2.14E-08 | 0.00062 | 0.0565 | 0.000206 | 1.20E-07 | 1.96 | | | |
| Potential benefits and loads beyond the system boundaries | Reuse, recovery, recycling potential | D | MND | MND | MND | MND | MND | MND | MND | | | |

GWP = Global Warming Potential; ODP = Ozone Depletion Potential; AP = Acidification Potential for Soil and Water; EP = Eutrophication Potential; POCP = Formation potential of tropospheric Ozone; ADPE = Abiotic Depletion Potential – Elements; ADPF = Abiotic Depletion Potential – Fossil Fuels;



| Parameters | describing r | esoui | rce use, pr | imary ener | gy | | | |
|---|---|-------|-------------|------------|--------|-------|-------|-------|
| | | | PERE | PERM | PERT | PENRE | PENRM | PENRT |
| | | | MJ | MJ | MJ | MJ | MJ | MJ |
| | Raw material supply | A1 | AGG | AGG | AGG | AGG | AGG | AGG |
| Droduot otogo | Transport | A2 | AGG | AGG | AGG | AGG | AGG | AGG |
| Product stage | Manufacturing | А3 | AGG | AGG | AGG | AGG | AGG | AGG |
| | Total (of product stage) | A1-3 | 72.24 | 0.0162 | 72.26 | 286 | 0 | 286 |
| Construction | Transport | A4 | 0.0261 | 9.85E-08 | 0.0261 | 1.89 | 0 | 1.89 |
| process stage | Construction | A5 | 3.62 | 0.000808 | 3.62 | 14.5 | 0 | 14.5 |
| | Use | B1 | MNR | MNR | MNR | MNR | MNR | MNR |
| | Maintenance | B2 | 24.64 | 7.57E-05 | 24.64 | 420 | 0 | 420 |
| | Repair | В3 | MNR | MNR | MNR | MNR | MNR | MNR |
| Use stage | Replacement | B4 | MNR | MNR | MNR | MNR | MNR | MNR |
| | Refurbishment | B5 | 72.87 | 0.0232 | 72.89 | 443 | 0 | 443 |
| | Operational energy use | В6 | MNR | MNR | MNR | MNR | MNR | MNR |
| | Operational water use | B7 | MNR | MNR | MNR | MNR | MNR | MNR |
| | Deconstruction, demolition | C1 | 0 | 0 | 0 | 0 | 0 | 0 |
| End of life | Transport | C2 | 0.0261 | 9.85E-08 | 0.0261 | 1.89 | 0 | 1.89 |
| Life of life | Waste processing | СЗ | 0 | 0 | 0 | 0 | 0 | 0 |
| | Disposal | C4 | 0.0714 | 1.87E-07 | 0.0714 | 2.02 | 0 | 2.02 |
| Potential benefits and loads beyond the system boundaries | Reuse, recovery, recycling potential | D | MND | MND | MND | MND | MND | MND |

PERE = Use of renewable primary energy excluding renewable primary energy 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 nonrenewable 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 resource



| Parameters of | describing res | ource | use, secondary n | naterials and fuels | s, use of water | |
|---|---|-------|------------------|---------------------------|---------------------------|----------|
| | | | SM | RSF | NRSF | FW |
| | | | kg | MJ net calorific value | MJ net calorific value | m³ |
| | Raw material supply | A1 | AGG | AGG | AGG | AGG |
| Draduot ataga | Transport | A2 | AGG | AGG | AGG | AGG |
| Product stage | Manufacturing | A3 | AGG | AGG | AGG | AGG |
| | Total (of product stage) | A1-3 | 0 | 0 | 0 | 0.472 |
| Construction | Transport | A4 | 0 | 0 | 0 | 0.000419 |
| process stage | Construction | A5 | 0 | 0 | 0 | 0.0237 |
| | Use | B1 | MNR | MNR | MNR | MNR |
| | Maintenance | B2 | 0 | 0 | 0 | 0.370 |
| | Repair | В3 | MNR | MNR | MNR | MNR |
| Use stage | Replacement | B4 | MNR | MNR | MNR | MNR |
| | Refurbishment | B5 | 0 | 0 | 0 | 0.870 |
| | Operational energy use | B6 | MNR | MNR | MNR | MNR |
| | Operational water use | В7 | MNR | MNR | MNR | MNR |
| | Deconstruction, demolition | C1 | 0 | 0 | 0 | 0 |
| Final of Pfo | Transport | C2 | 0 | 0 | 0 | 0.000419 |
| End of life | Waste processing | СЗ | 0 | 0 | 0 | 0 |
| | Disposal | C4 | 0 | 0 | 0 | 0.00224 |
| Potential benefits and loads beyond the system boundaries | Reuse, recovery, recycling potential | D | MND | MND | MND | MND |

SM = Use of secondary material; RSF = Use of renewable secondary fuels;

NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water



| Other environmental information describing waste categories | | | | | | | | | |
|---|---|------|----------|--------|----------|--|--|--|--|
| | | | HWD | NHWD | RWD | | | | |
| | | | kg | kg | kg | | | | |
| | Raw material supply | A1 | AGG | AGG | AGG | | | | |
| Dundwet et en e | Transport | A2 | AGG | AGG | AGG | | | | |
| Product stage | Manufacturing | A3 | AGG | AGG | AGG | | | | |
| | Total (of product stage) | A1-3 | 0.801 | 1.30 | 3.66E-06 | | | | |
| Construction | Transport | A4 | 0.000809 | 0.0903 | 1.09E-08 | | | | |
| process stage | Construction | A5 | 0.0402 | 0.408 | 1.85E-07 | | | | |
| | Use | B1 | MNR | MNR | MNR | | | | |
| | Maintenance | B2 | 0.0766 | 0.523 | 2.21E-05 | | | | |
| | Repair | ВЗ | MNR | MNR | MNR | | | | |
| Use stage | Replacement | B4 | MNR | MNR | MNR | | | | |
| | Refurbishment | B5 | 2.04 | 12.2 | 6.87E-06 | | | | |
| | Operational energy use | В6 | MNR | MNR | MNR | | | | |
| | Operational water use | В7 | MNR | MNR | MNR | | | | |
| | Deconstruction, demolition | C1 | 0 | 0 | 0 | | | | |
| End of life | Transport | C2 | 0.000809 | 0.0903 | 1.09E-08 | | | | |
| ⊏iiu oi iife | Waste processing | СЗ | 0 | 0 | 0 | | | | |
| | Disposal | C4 | 0.00151 | 7.69 | 3.12E-08 | | | | |
| Potential benefits and loads beyond the system boundaries | Reuse, recovery, recycling potential | D | MND | MND | MND | | | | |

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed



| Other environmental information describing output flows – at end of life | | | | | | | | | | |
|--|--------------------------------------|------|-------|---------|-----|-----------------------|--|--|--|--|
| | | | CRU | MFR | MER | EE | | | | |
| | | | kg | kg | kg | MJ per energy carrier | | | | |
| | Raw material supply | A1 | AGG | AGG | AGG | AGG | | | | |
| Product stage | Transport | A2 | AGG | AGG | AGG | AGG | | | | |
| Froduct stage | Manufacturing | A3 | AGG | AGG | AGG | AGG | | | | |
| | Total (of product stage) | A1-3 | 0 | 0.0977 | 0 | 0 | | | | |
| Construction | Transport | A4 | 0 | 0 | 0 | 0 | | | | |
| process stage | Construction | A5 | 0.046 | 0.00489 | 0 | 0 | | | | |
| | Use | B1 | MNR | MNR | MNR | MNR | | | | |
| | Maintenance | B2 | 0 | 0 | 0 | 0 | | | | |
| | Repair | В3 | MNR | MNR | MNR | MNR | | | | |
| Use stage | Replacement | B4 | MNR | MNR | MNR | MNR | | | | |
| | Refurbishment | B5 | 0.92 | 0.151 | 0 | 0 | | | | |
| | Operational energy use | В6 | MNR | MNR | MNR | MNR | | | | |
| | Operational water use | B7 | MNR | MNR | MNR | MNR | | | | |
| | Deconstruction, demolition | C1 | 0 | 0 | 0 | 0 | | | | |
| Final of life | Transport | C2 | 0 | 0 | 0 | 0 | | | | |
| End of life | Waste processing | C3 | 0 | 0 | 0 | 0 | | | | |
| | Disposal | C4 | 0 | 0 | 0 | 0 | | | | |
| Potential benefits and loads beyond the system boundaries | Reuse, recovery, recycling potential | D | MND | MND | MND | MND | | | | |

CRU = Components for reuse; MFR = Materials for recycling MER = Materials for energy recovery; EE = Exported Energy



Scenarios and additional technical information

| Scenario | Parameter | Units | Results | | | | | | |
|-----------------------------------|--|-----------------------------------|---------|--|--|--|--|--|--|
| | Truck (Diesel) | L/km | 0.32 | | | | | | |
| A4 – Transport to the | Distance | km | 100 | | | | | | |
| ouilding site | Capacity utilisation (incl. empty returns) | % | 35 | | | | | | |
| | Bulk density of transported products | kg/m ³ | various | | | | | | |
| A5 – Installation in the building | Total amount of material wasted during the installation process | % | 5 | | | | | | |
| 31 – Use stage | Once installed, the floor finish does not have any impacts associated with its use. Therefore, module B1 is not relevant to this product | n/a | n/a | | | | | | |
| | | Per week (cycle) | 1 | | | | | | |
| | Vacuum cleaning | Minutes/m ² (duration) | 0.21 | | | | | | |
| | | kW of motor | 1.35 | | | | | | |
| 32 – Maintenance | | Per week (cycle) | 1 | | | | | | |
| | Aqueous cleaning | litres/m² (water) | 0.062 | | | | | | |
| | | kg/m ² (detergent) | 0.0008 | | | | | | |
| | Scenario description: Generic figures based on cleaning and maintenance for PVC cushioned resilient flooring | | | | | | | | |
| 33 – Repair | Once installed, the floor finish is not assumed to be repaired. Therefore, module B3 is not relevant to this product. | n/a | n/a | | | | | | |
| 34 – Replacement | Once installed, the floor finish does not have any impacts associated with its replacement. Therefore, module B4 is not relevant to this product | n/a | n/a | | | | | | |
| | Sanding (10 years etc.) | kWh/m² | 0.02 | | | | | | |
| | Seal coat reapplication (10 years etc.) | kg/m² | 0.135 | | | | | | |
| | Shot blasting (20 years etc.) | kWh/m² | 0.055 | | | | | | |
| 35 – Refurbishment | Base coat reapplication (20 years etc.) | kg/m² | 0.7 | | | | | | |
| | Seal coat reapplication (20 years etc.) | kg/m ² | 0.27 | | | | | | |
| | Scenario description: This scenario is based on re-topping by sanding and reapplication of 50% of seal coat after 10, 30 & 50 years; shot blasting and reapplication of 25% basecoat & 100% top seal after 20 & 40 years. A complete replacement happens after 60 years. | | | | | | | | |
| | | | | | | | | | |



| Scenarios and additional technical information | | | | | | | | | |
|--|---|-------|---------|--|--|--|--|--|--|
| Scenario | Parameter | Units | Results | | | | | | |
| | Waste collected with mixed construction waste. | kg | 7.67 | | | | | | |
| C1 to C4 – End of life | Distance to final disposal, by road. | km | 100 | | | | | | |
| | Waste disposal to landfill | kg | 7.67 | | | | | | |
| | This scenario assumes no deconstruction impacts (C1), as the demolition is an insignificant part of the entire building demolition works and cannot be allocated. The scenario also assumes no waste processing requirement (C3). | n/a | 0 | | | | | | |

Summary, comments and additional information

Interpretation

The Figure below represents the sources of kg CO₂ equivalent impacts reported in the GWP for the product stage (A1 to A3) of Sika ComfortFloor® PS-65.

The highest GWP impact of Sika ComfortFloor® PS-65 is Sikafloor®-330 at 5.89 kg CO_2 eq. or 51.1% of the total. It is also the largest component in terms of mass at 2.8 kg per m^2 or 36.5% of the total

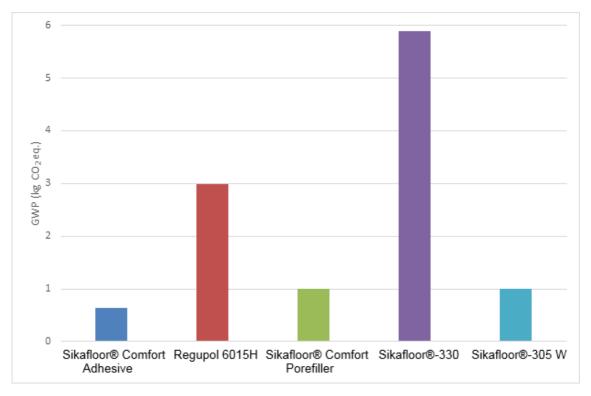


Figure 1: Sources of kg CO_2 equivalent impacts reported in the GWP for the product stage (A1 to A3) of Sika ComfortFloor® PS-65



References

BRE Global. BRE Environmental Profiles 2013 Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013. PN 514. Watford, BRE, 2014.

BSI. Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products. BS EN 15804:2012+A1:2013. London, BSI, 2013.

BSI. Environmental labels and declarations – Type III Environmental declarations – Principles and procedures. BS EN ISO 14025:2010 (exactly identical to ISO 14025:2006). London, BSI, 2010.

BSI. Environmental management – Life cycle assessment – Principles and framework. BS EN ISO 14040:2006. London, BSI, 2006.

BSI. Environmental management – Life cycle assessment – requirements and guidelines. BS EN ISO 14044:2006. London, BSI, 2006.

System Data Sheet Sika ComfortFloor® PS-65 system.

DIN 53505: Shore A and Shore D Hardness Testing of Rubber

BS EN 660-2:1999: Resilient floor coverings. Determination of wear resistance. Frick-Taber test

BS EN 424:1993: Resilient floor coverings. Determination of the effect of the simulated movement of a furniture leg

BS EN 425:1994: Resilient floor coverings. Determination of the effect of a castor chair

ISO 6272:1993: Paints and varnishes -- Falling-weight test

BS EN 433:1994: Resilient floor coverings. Determination of residual indentation after static loading

DIN 53504: Testing of rubber - Determination of tensile strength at break, tensile stress at yield, elongation at break and stress values in a tensile test

BS EN 13892-8: Methods of test for screed materials. Determination of bond strength

BS EN 13501-1:2007+A1:2009: Fire classification of construction products and building elements. Classification using test data from reaction to fire tests

DIN 51130: Testing of Floor Coverings - Determination of the Anti-Slip Property - Workrooms and fields of activities with slip danger - Walking method - Ramp test

BS EN ISO 105-B02:2002: Textiles -- Tests for colour fastness -- Part B02: Colour fastness to artificial light: Xenon arc fading lamp test

BS EN 1062:2004: Paints and varnishes. Coating materials and coating systems for exterior masonry and concrete (series)

BS EN ISO 140-8:1998: Acoustics. Measurement of sound insulation in buildings and of building elements. Laboratory measurements of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor