|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  | **Application form (Annex 1)** | |  |
|  |  |  |  |
|  | **DE-UZ 227 - Edition January 2023** | Concrete roofing tiles and fittings |  |
|  |  |  |  |

**Details of the company**

|  |  |
| --- | --- |
| Name of the company: |  |
| Complete address: |  |
|  |  |
|  |  |

**Contact person**

|  |  |
| --- | --- |
| Name: |  |
| Function: |  |
| Telephone number: |  |
| E-Mail-adress: |  |

**Production site (if different from the company address)**

|  |  |
| --- | --- |
| Name of the company: |  |
| Complete address: |  |
|  |  |
|  |  |

**Product details**

|  |  |
| --- | --- |
| Trade name of the product: |  |
| Dimensions (length/width/thickness): |  |
| Weight [Kg]: |  |

|  |  |
| --- | --- |
|  | **We hereby confirm,** that the products are manufactured in accordance with DIN EN 490 “Concrete roofing tiles and fittings for roof covering and wall cladding- Product specifications”  for which a declaration of performance according to Regulation (EU) No. 305/2011 has been  issued. |

**3.1 Requirements for constituent components**

|  |  |
| --- | --- |
|  | **We hereby confirm, that substances with the following properties are not included as constituent ingredients[[1]](#footnote-1):**  1. Substances which are identified in the REACH Regulation (EC) No. 1907/2006   * as particularly alarming and which have been incorporated into the list drawn up in accordance with Article 59, Paragraph 1 of the REACH Regulation (so-called “list of candidates") or * which are classified as persistent, bioaccumulative and toxic (PBT) substances or as very persistent and very bioaccumulative (vPvB) substances.   2. Substances that according to the CLP Regulation have been classified in the following hazard categories or which meet the criteria for such classification:   * carcinogenic in categories Carc. 1A or Carc. 1B; * germ cell mutagenic in categories Muta. 1A or Muta. 1B; * reprotoxic (teratogenic) in categories Repr. 1A or Repr. 1B; * acute toxicity (poisonous) in categories Acute Tox. 1 or Acute Tox. 2; * acute toxicity (poisonous) in categories Acute Tox. 1 or Acute Tox. 2; * hazardous to water in category Aquatic Chronic 1 or * hazardous to the ozone layer in category Ozone 1.   3. Substances that are classified in TRGS 905 as:   * Carcinogenic (K1A, K1B) * Germ cell mutagenic (M1A, M1B) * Reprotoxic (RF1A, RF1B) * Teratogenic (RD1A, RD1B) |
|  | **Declarations of the manufacturers/suppliers (Annex 3), technical data sheets as well as the safety data sheets for all of the primary products and auxiliary substances used are attached to the application.** |

**3.2 Flame retardants**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **The roofing and molding tiles do not contain flame retardants.** | | |
|  | **The following flame retardants are used:** | | |
|  |  |  |  |
|  | **Name of the flame retardant** | **CAS-Nr.** | **CLP classification** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**3.3.1 – 3.3.4**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **We hereby confirm,** that no halogenated organic compounds are used in the manufacture of the products. | | |
|  | **We hereby confirm,** that no biocides according to (EU) No. 528/2012 and no herbicides in the sense of Regulation (EG) No. 1107/2009 in dyes and coatings are used on the roofing tiles. | | |
|  | **The following preservatives are used in paints/coatings:** | | |
|  |  |  |  |
|  | **Name** | **Cas-Nr.** | **Concentration** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | **We hereby confirm,** that no pigments containing lead compounds are used in the manufacture of the products. | | |
|  | **We hereby confirm,** that no organotin compounds are used in the manufacture of the products. | | |

**3.4 Ecotoxicity**

|  |  |
| --- | --- |
|  | **The test certificate for ecotoxicity according to CEN/TS 17459[[2]](#footnote-2) or CEN/TR 17105[[3]](#footnote-3)**  **is attached to the application.** |
|  | **The DIN EN ISO/IEC 17025 certificate of the testing laboratory is attached to the application.** |
|  | Note: If the validity of the award criteria is extended, a new proof of testing must be submitted. |

**3.5 Solar reflectance**

|  |  |
| --- | --- |
|  | **A test certificate in accordance with DIN EN ISO 22969[[4]](#footnote-4), ASTM E903[[5]](#footnote-5) or ASTM E1918[[6]](#footnote-6) is attached to the application.** |

**3.6 Environmental Product Declaration (EPD) and global warming potential (GWP)**

|  |  |
| --- | --- |
|  | **We hereby confirm,** that the greenhouse gas potential declared in the EPD is at most 10.0 Kg CO2-eq/m² or 210 kg CO2-eq/t for the life cycle stages A1 to A3 for the roof with a reference service life of at least 50 years. |
|  | **A valid Environmental Product Declaration (EPD) for the product according to DIN EN 15804 is attached to the application.** |
|  | The publicly available reference can be found here: |
|  |  |

**3.7 Green electricity**

|  |  |
| --- | --- |
|  | **At least 50 % of the electricity consumed in the production of the certified product must be sourced from renewable energy sources as defined in Directive 2018/2001/EU on the promotion of the use of energy from renewable sources and this electricity must be labelled accordingly** |
|  | **A different rule applies to manufacturers that produce their products outside of the EU: 50 % of the electricity consumed in the production of the certified product must be sourced from renewable energy sources certified in accordance with the international REC standard (I-REC).** |
|  | **The electricity label and the certificate of origin of the green electricity or a certificate of origin according to I-REC as well as the green electricity balance sheet (Annex 4) are attached to the application.** |
|  | Note: Evidence must be provided for each year of the term of the Ecolabel User Agreement. |

**3.8 Compensation of CO2 emissions**

|  |  |
| --- | --- |
|  | **Attached to the application are the certificates for emission reduction credits as well as the corresponding extinguishing certificates for the unavoidable and reducible CO2 emissions generated during the manufacture of the roof tiles and the production and delivery of the raw materials (life cycle modules A1 to A3 according to EPD).** |
|  | **A list of production quantities for the previous year is attached to the application.** |
|  | Note: Evidence must be provided for each year of the term of the Ecolabel User Agreement. |

**3.9 Consumer information, packaging and advertising messages**

|  |  |
| --- | --- |
|  | **We hereby confirm,**   1. that the sales packaging[[7]](#footnote-7) of the products does not contain PVC. 2. that the sales packaging has a recycled content of at least 50%. 3. that the sales packaging meets the current minimum standards for measuring the recyclability of packaging[[8]](#footnote-8). 4. that advertising claims do not contain designations such as "organic", "ecological" or "natural". |
|  | **The consumer information (technical data sheet, installation instructions, etc.) and manufacturer/supplier declarations of the sales packaging (Annex 5) are attached to the application.** |
|  | The recycled content in sales packaging is: |
|  |  |

**If you have any differing comments on a criterion, please enter them here:**

|  |
| --- |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Place:** |  |  |  |
|  |  |  |
| **Date:** |  |  |
|  |  |  |

**Legally binding signature / company stamp**

**Checklist application documents**

Safety data sheets

Technical data sheets, installation instructions

**Annex 3:** Preprint, manufacturer's/supplier's declaration (preliminary products)

Test report for ecotoxicity

Test certificate for solar reflectance

EPD according to DIN EN 15804

Electricity labeling

Green electricity label certificate, OK-Power-Siegel certificate or proof of origin according to international REC standard

**Annex 4:** Preprint, green electricity balance

Cancellation records/ emission reduction credits

List with production quantities

Consumers information

**Annex 5:** Preprint, manufacturer's/supplier's declaration (packaging)

1. Constitutional ingredients are substances that are added to the product as such or as part of mixtures in order to achieve or influence certain product properties, as well as substances that are required as chemical cleavage products to achieve the product properties. Residual monomers reduced to a minimum, for example, are not included. [↑](#footnote-ref-1)
2. DIN CEN/TS 17459:2023-02 Construction products: Evaluation of the release of hazardous substances - Determination of the ecotoxicity of eluates from construction products; German version CEN/TS 17459:2022 [↑](#footnote-ref-2)
3. DIN CEN/TR 17105, Construction products - Assessment of the release of hazardous substances - Guidance for the application of ecotoxicological testing to construction products [↑](#footnote-ref-3)
4. DIN EN ISO 22969:2021-02 Paints and varnishes - Determination of solar reflectance [↑](#footnote-ref-4)
5. Standard test method for solar absorption, reflection and transmission of materials using integrated spheres, <https://www.astm.org/standards/e903> [↑](#footnote-ref-5)
6. Standard test method for measuring the solar reflectance of horizontal and flat sloped surfaces in the field, <https://www.astm.org/e1918-21.html> [↑](#footnote-ref-6)
7. This does not apply to transport packaging. [↑](#footnote-ref-7)
8. <https://www.verpackungsregister.org/fileadmin/files/Mindeststandard/Mindeststandard_VerpackG_2020.pdf> [↑](#footnote-ref-8)