
Hidroizolacijski trakovi - Okoljske deklaracije za proizvode - Pravila za kategorije proizvodov za ojačene bitumenske, polimerne in elastomerne trakove za tesnjenje streh - 1. del: Pristop "od zibelke do groba" in modul D

Flexible sheets for waterproofing - Environmental product declarations - Product category rules for reinforced bitumen, plastic and rubber flexible sheets for roof waterproofing - Part 1: Cradle to grave and module D

Abdichtungsbahnen - Umweltproduktdeklaration - Produkt-Kategorie-Regeln für Bitumenbahnen mit Trägereinlage, Kunststoff- und Elastomerbahnen für Dachabdichtungen - Teil 1: Wiege bis Bahre und Modul D

Feuilles souples d'étanchéité - Déclarations environnementales sur les produits - Règles spécifiques des catégories de produits pour feuilles bitumineuses armées, feuilles plastiques et élastomères pour l'étanchéité de toiture - Partie 1: Du berceau à la tombe avec module D

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Flexible sheets for waterproofing - Environmental product declarations - Product category rules for reinforced bitumen, plastic and rubber flexible sheets for roof waterproofing - Part 1: Cradle to grave and module D

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This European Standard was approved by CEN on 19 August 2024.

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COMITÉ EUROPÉEN DE NORMALISATION
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| Contents | | Page |
|-------------------------|--------------------------------------------------------------------------------------|------|
| European foreword | | 4 |
| Introduction | | 5 |
| 1 | Scope..... | 6 |
| 2 | Normative references..... | 6 |
| 3 | Terms and definitions | 7 |
| 4 | Abbreviations | 8 |
| 5 | General aspects..... | 8 |
| 5.1 | Objective of the PCR..... | 8 |
| 5.2 | Types of EPD with respect to life cycle stages covered | 8 |
| 5.3 | Comparability of EPD for construction products | 8 |
| 5.4 | Additional environmental information | 8 |
| 5.5 | Ownership, responsibility and liability for the EPD..... | 8 |
| 5.6 | Communication formats..... | 8 |
| 6 | Product category rules for LCA | 8 |
| 6.1 | Product category | 8 |
| 6.2 | Life cycle stages and information modules to be included | 9 |
| 6.2.1 | General..... | 9 |
| 6.2.2 | A1-A3, product stage, information modules | 9 |
| 6.2.3 | A4-A5, construction process stage, information modules | 9 |
| 6.2.4 | B1-B5, use stage, information modules related to the building fabric..... | 9 |
| 6.2.5 | B6-B7, use stage, information modules related to the operation of the building | 9 |
| 6.2.6 | C1-C4, end-of-life stage, information modules..... | 9 |
| 6.2.7 | D, benefits and loads beyond the system boundary, information module | 9 |
| 6.3 | Calculation rules for the LCA | 9 |
| 6.3.1 | Functional or declared unit..... | 9 |
| 6.3.2 | Functional unit..... | 9 |
| 6.3.3 | Declared unit | 10 |
| 6.3.4 | Reference service life (RSL) | 10 |
| 6.3.5 | System boundaries | 10 |
| 6.3.6 | Criteria for the exclusion of inputs and outputs (cut-off criteria) | 11 |
| 6.3.7 | Selection of data | 11 |
| 6.3.8 | Data quality requirements | 12 |
| 6.3.9 | Developing product level scenarios | 13 |
| 6.3.10 | Units..... | 17 |
| 6.4 | Inventory analysis | 17 |
| 6.4.1 | Collecting data..... | 17 |
| 6.4.2 | Calculation procedures..... | 17 |
| 6.4.3 | Allocation of input flows and output emissions | 17 |
| 6.4.4 | Information on biogenic carbon content..... | 17 |
| 6.5 | Impact assessment | 17 |
| 7 | Content of the EPD | 17 |
| 7.1 | Declaration of general information..... | 17 |
| 7.2 | Declaration of environmental indicators derived from LCA..... | 18 |
| 7.2.1 | General..... | 18 |

| | | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|----|
| 7.2.2 | Rules for declaring LCA information per module | 18 |
| 7.2.3 | Indicators describing environmental impacts based on life cycle impact assessment (LCIA) | 18 |
| 7.2.4 | Indicators describing resource use and environmental information based on life cycle inventory (LCI) | 18 |
| 7.2.5 | Information on biogenic carbon content | 18 |
| 7.3 | Scenarios and additional technical information | 18 |
| 7.3.1 | General | 18 |
| 7.3.2 | Construction process stage | 18 |
| 7.3.3 | B1-B7 Use stage | 19 |
| 7.3.4 | End-of-life | 19 |
| 7.4 | Additional information on release of dangerous substances to indoor air, soil and water during the use stage | 19 |
| 7.4.1 | Indoor air | 19 |
| 7.4.2 | Soil and water | 19 |
| 7.5 | Aggregation of information modules | 19 |
| 8 | Project report | 19 |
| 8.1 | General | 19 |
| 8.2 | LCA-related elements of the project report | 19 |
| 8.3 | Documentation on additional information | 20 |
| 8.4 | Data availability for verification | 20 |
| 9 | Verification and validity of an EPD | 20 |
| Annex A (normative) | Extension rules | 21 |
| A.1 | General | 21 |
| A.2 | Rules for plastic sheets according to EN 13956 | 21 |
| A.2.1 | General | 21 |
| A.2.2 | Scenario 1: Sheets without reinforcement | 22 |
| A.2.3 | Scenario 2: Reinforced sheets | 22 |
| A.2.4 | Scenario 3: Sheets with backing | 23 |
| A.2.5 | Scenario 4: Combination | 23 |
| A.3 | Rules for reinforced bitumen sheets according to EN 13707 | 24 |
| A.4 | Rules for rubber sheets according to EN 13956 | 24 |
| Annex B (informative) | EPD scope and practice | 25 |
| B.1 | Introduction | 25 |
| B.2 | Specific EPD | 25 |
| B.3 | Generic EPD | 25 |
| B.3.1 | Average EPD | 25 |
| B.3.2 | Worst case EPD | 25 |
| B.3.3 | Sector EPD | 25 |
| Bibliography | | 26 |

EN 17388-1:2024 (E)

European foreword

This document (EN 17388-1:2024) has been prepared by Technical Committee CEN/TC 254 “Flexible sheets for waterproofing”, the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

EN 17388, *Flexible sheets for waterproofing - Environmental product declarations - Product category rules for reinforced bitumen, plastic and rubber flexible sheets for roof waterproofing* consists of two parts:

- *Part 1: Cradle to grave and module D;*
- *Part 2: Cradle to gate with options, modules C1-C4 and module D.*

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

[SIST EN 17388-1:2025](https://standards.iteh.ai/catalog/standards/sist/16627399-608d-4ae5-8776-67332ace1946/sist-en-17388-1-2025)

<https://standards.iteh.ai/catalog/standards/sist/16627399-608d-4ae5-8776-67332ace1946/sist-en-17388-1-2025>

Introduction

CEN/TC 254 has decided to provide this European Standard in 2 parts. The scope of these different parts is based on the different types of environmental product declarations (EPD) identified by EN 15804:2012+A2:2019. This will avoid misinterpretation in the market about the EPD scope and content.

NOTE 1 The clauses and subclauses, with the exception of the annexes, are corresponding with the clauses and subclauses of EN 15804:2012+A2:2019.

NOTE 2 For further information, see Annex B.

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EN 17388-1:2024 (E)

1 Scope

This document provides product category rules (PCR) for the assessment of the environmental performance of reinforced bitumen, plastic and rubber flexible sheets for which the intended use is roof waterproofing.

NOTE The reference product standards are EN 13707 and EN 13956.

This document is intended to be used for the development and issue of a cradle to grave and module D EPD using:

— either generic data and system generic data;

or

— specific data and system specific data.

This document includes requirements and rules to:

- define the indicators to be declared and the way in which they are collected and reported;
- describe which stages of a product's life cycle are considered in the EPD and which processes are to be included in the life cycle stages;
- include the rules for calculating the life cycle inventory (LCI) and the life cycle impact assessment (LCIA) underlying an EPD, including the specification of the quality of the applied data;
- define generic data and system generic data which are to be used for an EPD.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13707, *Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics*

EN 13956, *Flexible sheets for waterproofing — Plastic and rubber sheets for roof waterproofing — Definitions and characteristics*

EN 15804:2012+A2:2019¹, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*

¹ As impacted by EN 15804:2012+A2:2019/AC:2021.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15804:2012+A2:2019 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

average data

data representative of a product, product group or construction service, provided by one or more manufacturers

Note 1 to entry: Manufacturer refers to the product stage.

[SOURCE: EN 15804:2012+A2:2019, 3.3, modified – In the definition, the word “suppliers” has been replaced with “manufacturers” and the Note 1 to entry has been replaced.]

3.2

generic data

surrogate data used if no specific data is available

Note 1 to entry: Generic system data are surrogate data related to the intended use.

3.3

product

item manufactured or processed for incorporation in construction works

Note 1 to entry: Product refers to all products of the roof waterproofing system.

[SOURCE: EN 15804:2012+A2:2019, 3.6, modified – The term “construction product” has been replaced with “product”, Note 1 to entry has been replaced and the Note 2 to entry has been removed.]

3.4

product group

products with similar intended uses, the boundaries of which are defined by the EPD owner

3.5

roof waterproofing system

assembly of one or more sheets in its applied and jointed form to prevent the passage of water from one plane to another, which has certain performance characteristics, to be assessed as a whole, to be used in the roof of a building

Note 1 to entry: Roofs used for parking of vehicles and roof gardens are included.

3.6

specific data

data representative for a product, product group or construction service, provided by one manufacturer

Note 1 to entry: Manufacturer refers to the product stage.

[SOURCE: EN 15804:2012+A2:2019, 3.31, modified – In the definition, the word “supplier” has been replaced with “manufacturer” and the Note 1 to entry has been added.]

EN 17388-1:2024 (E)

4 Abbreviations

For the purposes of this document, the abbreviations given in EN 15804:2012+A2:2019 apply.

5 General aspects

5.1 Objective of the PCR

As in EN 15804:2012+A2:2019, in addition:

This document defines the requirements on information, data and environmental indicators that shall be included in an environmental product declaration (EPD) for a cradle to grave and module D EPD, for:

- roof waterproofing systems with reinforced bitumen flexible sheets for roof waterproofing according to EN 13707;
- or
- roof waterproofing systems with plastic and rubber flexible sheets for roof waterproofing according to EN 13956.

5.2 Types of EPD with respect to life cycle stages covered

As in EN 15804:2012+A2:2019, in addition:

The life cycle assessment (LCA) based information in an EPD shall cover (see EN 15804:2012+A2:2019, Figure 1) the life cycle of a product according to the system boundary (see 6.3.5). This cradle to grave and module D EPD covers the product stage (module A1-A3), construction process stage (module A4-A5), use stage (module B1-B7), end-of-life stage (module C1-C4) and benefits and loads beyond the system boundary (module D) and shall be based on a functional unit or declared unit.

5.3 Comparability of EPD for construction products

As in EN 15804:2012+A2:2019, in addition:

The cradle to grave and module D analysis shall integrate all relevant requirements to ensure the technical performances of the products in the end-use.

5.4 Additional environmental information

As in EN 15804:2012+A2:2019 shall apply.

5.5 Ownership, responsibility and liability for the EPD

As in EN 15804:2012+A2:2019 shall apply.

5.6 Communication formats

As in EN 15804:2012+A2:2019 shall apply.

6 Product category rules for LCA

6.1 Product category

The product category referred to in this document includes roof waterproofing systems with reinforced bitumen, plastic and rubber flexible sheets for roof waterproofing according to EN 13707 and EN 13956.