

STN	Hydroizolačné pásy a fólie Environmentálne vyhlásenie o výrobku Pravidlá skupiny výrobkov pre asfaltové a syntetické hydroizolačné pásy a fólie Časť 2: Životný cyklus výrobkov v priebehu výroby s voliteľnými modulmi C1-C4 a modulom D	STN EN 17388-2 72 7602
------------	--	--

Flexible sheets for waterproofing - Environmental product declarations - Product category rules for reinforced bitumen, plastic and rubber flexible sheets for roof waterproofing - Part 2: Cradle to gate with options, modules C1-C4 and module D

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/25

Obsahuje: EN 17388-2:2024

139831

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025

Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 17388-2

October 2024

ICS 91.100.50

English Version

**Flexible sheets for waterproofing - Environmental product
declarations - Product category rules for reinforced
bitumen, plastic and rubber flexible sheets for roof
waterproofing - Part 2: Cradle to gate with options,
modules C1-C4 and module 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 2 : Du
berceau à la sortie de l'usine avec options, modules C1-
C4 et module D

Abdichtungsbahnen - Umweltproduktdeklaration -
Produkt-Kategorie-Regeln für Bitumenbahnen mit
Trägereinlage, Kunststoff- und Elastomerbahnen für
Dachabdichtungen - Teil 2: Wiege bis Werkstor mit
Optionen, Module C1-C4 und Modul D

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

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 17388-2:2024 (E)**Contents**

Page

European foreword	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	6
4 Abbreviations.....	7
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 life cycle assessment (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 (optional).....	9
6.2.4 B1-B5, use stage, information modules related to the building fabric (optional)	9
6.2.5 B6-B7, use stage, information modules related to the operation of the building (optional)	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	12
6.3.10 Units.....	14
6.4 Inventory analysis	14
6.4.1 Collecting data.....	14
6.4.2 Calculation procedures.....	14
6.4.3 Allocation of input flows and output emissions	14
6.4.4 Information on biogenic carbon content.....	15
6.5 Impact assessment	15
7 Content of the EPD	15
7.1 Declaration of general information.....	15
7.2 Declaration of environmental parameters derived from LCA.....	15

7.2.1	General	15
7.2.2	Rules for declaring LCA information per module	15
7.2.3	Indicators describing environmental impacts based on life cycle impact assessment (LCIA)	15
7.2.4	Indicators describing resource use and environmental information based on life cycle inventory (LCI)	15
7.2.5	Information on biogenic carbon content	15
7.3	Scenarios and additional technical information	16
7.3.1	General	16
7.3.2	Construction process stage	16
7.3.3	B1-B7 Use stage	16
7.3.4	End-of-life	16
7.4	Additional information on release of dangerous substances to indoor air, soil and water during the use stage	17
7.4.1	Indoor air	17
7.4.2	Soil and water	17
7.5	Aggregation of information modules	17
8	Project report	17
8.1	General	17
8.2	LCA-related elements of the project report	17
8.3	Documentation on additional information	17
8.4	Data availability for verification	17
9	Verification and validity of an EPD	17
	Annex A (informative) EPD scope and practice	18
A.1	Introduction	18
A.2	Specific EPD	18
A.3	Generic EPD	18
A.3.1	Average EPD	18
A.3.2	Worst case EPD	18
A.3.3	Sector EPD	18
	Bibliography	19

EN 17388-2:2024 (E)**European foreword**

This document (EN 17388-2:2024) 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 the following 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.

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 A.

EN 17388-2:2024 (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 gate with options, modules C1-C4 and module D EPD using 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.

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*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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