

FLEXIBLE SHEETS FOR WATERPROOFING (EN 17388:2024)

C-PCR-032 (TO PCR 2019:14)
VERSION 1.0.0



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1 INTRODUCTION

1.1 GENERAL

This document constitutes complementary Product Category Rules (c-PCR) for developing Environmental Product Declarations (EPD) in the framework of the International EPD System: a programme for EPDs¹ according to ISO 14025, ISO 14040, ISO 14044, and product-specific standards, such as EN 15804, EN 15941 and ISO 21930 for construction products.² developed in the framework of the International EPD System: a programme for type III environmental declarations³ according to ISO 14025:2006. EPDs are voluntary documents for a company or an industry association to present transparent, consistent, and verifiable information about the environmental performance of their products (goods or services).

The General Programme Instructions (GPI), publicly available on www.environdec.com, includes the rules for the overall administration and operation of the programme and the basic rules for developing EPDs registered in the programme. A PCR complements the GPI and the normative standards by providing specific rules and guidelines for developing an EPD for one or more specific product categories (see Figure 1), thereby enabling the generation of consistent EPDs within a product category.

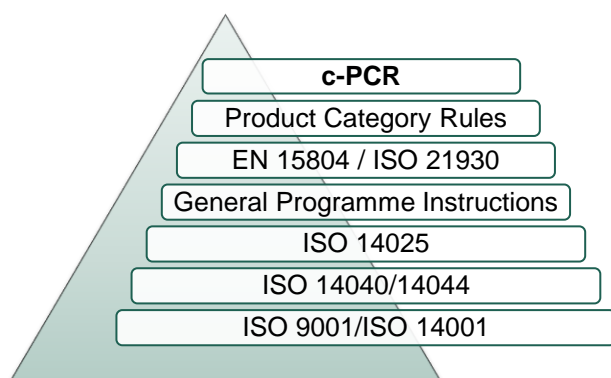


Figure 1 This c-PCR in relation to the hierarchy of standards and other documents.

The present c-PCR uses the following terminology:

- The term “shall” is used to indicate what is obligatory, i.e., a requirement.
- The term “should” is used to indicate a recommendation. Any deviation from a recommendation shall be justified in the EPD development process.
- The terms “may” or “can” are used to indicate an option that is permissible.

For definitions of other terms used in the document, see the GPI, normative standards, and PCR 2019:14 Construction products.

The latest version of the PCR is available on www.environdec.com.

Any references to this PCR shall include the PCR registration number, name, and version number.

1.2 ROLE OF THIS DOCUMENT

This document provides complementary product category rules (c-PCR) to PCR 2019:14 Construction products, available on www.environdec.com. This document cannot be used by itself but shall be used together with PCR 2019:14 and EN 15804. The document can be used together with any valid version of PCR 2019:14, regardless of the version of PCR 2019:14 referred to in this document.

1 Termed type III environmental declarations in ISO 14025.

2 When standards are referred to in this document, the version listed in Section 7 is intended unless otherwise stated.

3 Type III environmental declarations in the International EPD System are referred to as EPD, Environmental Product Declarations.

See Figure 2 for an illustration on how PCR 2019:14 and this c-PCR relates to each other and the EPDs that may be based on them.

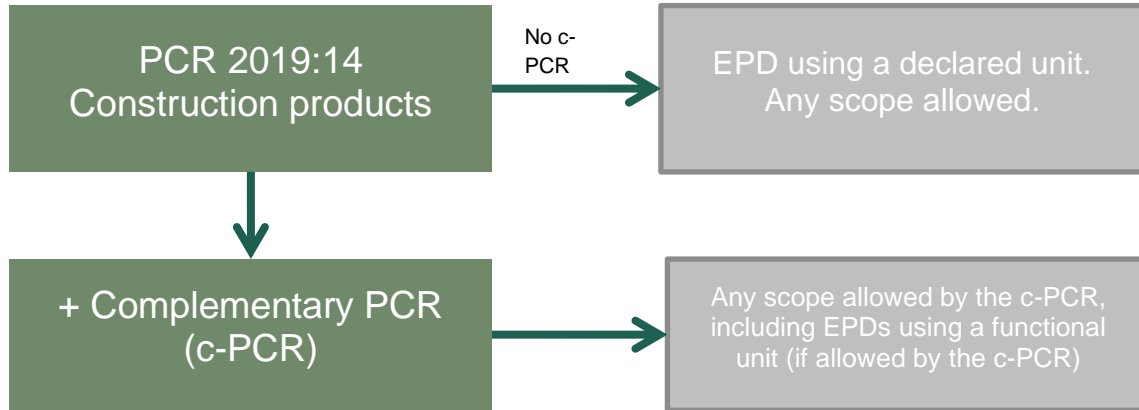



Figure 2 Overview of using PCR 2019:14 directly to develop an EPD or how to use it together with a c-PCR.

2 GENERAL INFORMATION

2.1 ADMINISTRATIVE INFORMATION

| | |
|--|--|
| Name: | Flexible sheets for waterproofing |
| Registration number and version: | c-PCR-032, version 1.0.0 |
| Programme: |  INTERNATIONAL EPD SYSTEM |
| Programme operator: | EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden Website: www.environdec.com E-mail: support@environdec.com |
| PCR moderator: | Not applicable |
| PCR committee: | Not applicable |
| Date of publication and last revision: | 2025-04-24 (version 1.0.0) A version history is available in Section Error! Reference source not found.. |
| Valid until: | 2030-04-07 |
| Schedule for renewal: | If a new version of EN 17388 is released, an update of this c-PCR will be initiated. |
| Standards conformance: | <ul style="list-style-type: none"> EN 17388:2024, which covers both EN 17388-1:2024 and EN 17388-2:2024 For compliance to other documents, see PCR 2019:14. |
| PCR language(s): | This PCR was developed and is available in English. In case of translated versions, the English version takes precedence in case of any discrepancies. |

2.2 SCOPE

2.2.1 PRODUCT CATEGORY DEFINITION AND DESCRIPTION

This c-PCR covers "*reinforced bitumen, plastic and rubber flexible sheets intended for roof waterproofing according to EN 13707 and EN 13956*" as stated in EN 17388:2024. EN 17388 consists of the following parts:

- Part 1: Cradle to grave and module D (EN 17388-1:2024)
- Part 2: Cradle to gate with options and module D (EN 17388-2:2024)

Classes in the UN CPC classification that have been identified as relevant for this product category are:

- 3480 Synthetic rubber and factice derived from oils, and mixtures thereof with natural rubber and similar natural gums, in primary forms or in plates, sheets or strip
- 3633 Plates, sheets, film, foil and strip, of plastics, not self-adhesive, non-cellular and not reinforced, laminated, supported or similarly combined with other materials

FLEXIBLE SHEETS FOR WATERPROOFING (EN 17388:2024)

- 3639 Other plates, sheets, film, foil and strip, of plastics

Note that the product category is a subset of above listed UN CPC classes, and that the product category also covers flexible sheets for roof waterproofing products not belonging to these UN CPC classes.

2.2.2 TYPE OF EPD AND INFORMATION MODULES INCLUDED

As in PCR 2019:14 and EN 17388:2024.

2.2.3 GEOGRAPHICAL REGION

As in PCR 2019:14.

2.2.4 EPD VALIDITY

As in PCR 2019:14.

3 PCR REVIEW AND BACKGROUND INFORMATION

This PCR was developed within CEN standardisation and adopted as a c-PCR by the International EPD System. There was thus no additional open consultation period and no additional review in addition to those within standardisation.

4 GOAL AND SCOPE, LIFE CYCLE INVENTORY AND LIFE CYCLE IMPACT ASSESSMENT

As in PCR 2019:14 and EN 17388:2024.

5 CONTENT AND FORMAT OF EPD

As in PCR 2019:14 and EN 17388:2024.

6 GLOSSARY

As in PCR 2019:14 and EN 17388:2024.

7 REFERENCES

CEN (2013) EN 13707, Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing – Definitions and characteristics.

CEN (2013) EN 13956, Flexible sheets for waterproofing – Plastic and rubber sheets for roof waterproofing – Definitions and characteristics.

CEN (2021) EN 15804:2012+A2:2019/AC:2021, Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products.

CEN (2024) EN 17388-1:2024 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.

CEN (2024) EN 17388-2:2024 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.

EPD International (2025) General Programme Instructions for the International EPD System. Version 5.0.1, dated 2025-02-27. www.environdec.com.

EPD International (2025) PCR 2019:14 Construction products, version 2.0.0. www.environdec.com.

ISO (2006a) ISO 14025:2006, Environmental labels and declarations – Type III environmental declarations – Principles and procedures

ISO (2006b) ISO 14040:2006, Environmental management – Life cycle assessment – Principles and framework.

ISO (2006c) ISO 14044: 2006, Environmental management – Life cycle assessment – Requirements and guidelines.

ISO (2017) ISO 21930:2017, Sustainability in buildings and civil engineering works – Core rules for environmental product declarations of construction products and services.

8 VERSION HISTORY OF C-PCR

VERSION 2024-10-14

Original version.

VERSION 1.0.0, 2025-04-24

- Updated with prolonged validity in accordance with version 2.0.0 of PCR 2019:14.
- Changed from version date to version number.
- Other editorial changes and clarifications.

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