

PLASTICS PIPING SYSTEMS BURIED OUTSIDE BUILDINGS (EN 16903:2025)

C-PCR-037 (TO PCR 2019:14)
VERSION 1.0.0



PLASTIC PIPING SYSTEMS BURIED OUTSIDE BUILDINGS (EN 16903:2025)

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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.

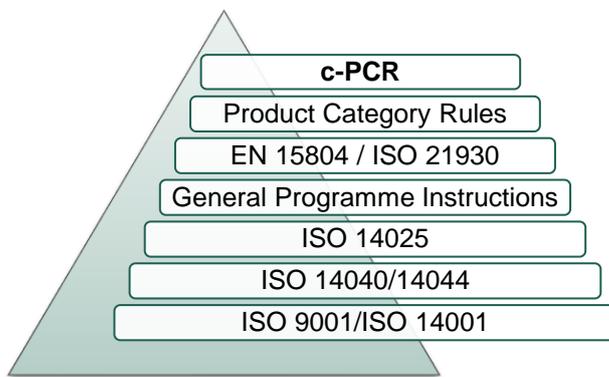


Figure 1 This c-PCR in relation to the hierarchy of standards and other documents.

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.

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.

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.

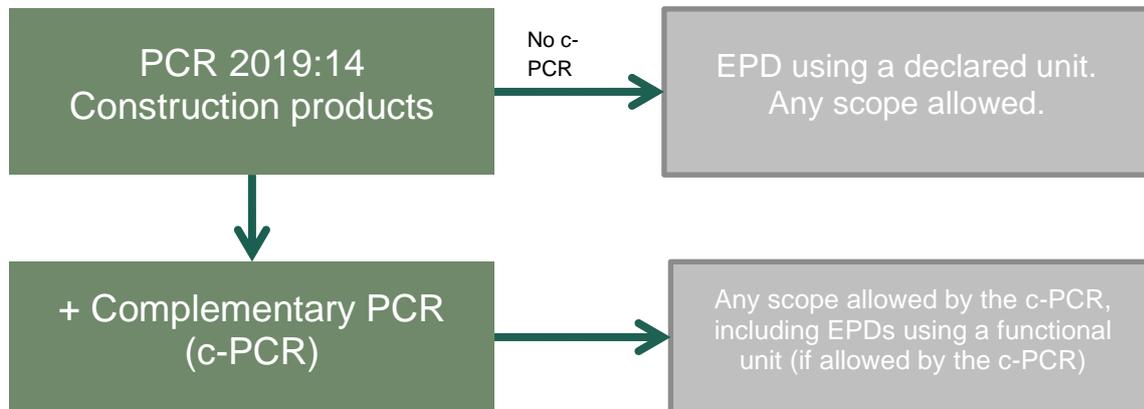


Figure 2 Overview of using PCR 2019:14 directly to develop an EPD or how to use it together with a c-PCR.

2 GENERAL INFORMATION

2.1 ADMINISTRATIVE INFORMATION

Name:	Plastic piping systems buried outside buildings
Registration number and version:	c-PCR-037, version 1.0.0
Programme:	
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:	2026-02-04 (version 1.0.0) A version history is available in Section 8
Valid until:	2030-04-07
Schedule for renewal:	If a new version of EN 16903 is released, an update of this c-PCR will be initiated.
Standards conformance:	<ul style="list-style-type: none"> ▪ EN 16903:2025 ▪ CEN/TS 1046 ▪ EN 805 ▪ EN 476 ▪ EN 12007-Part 2 ▪ ISO/TR 10501:1993 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 refers to EN 16903:2025, which covers plastics piping systems outside the building structure and their main structural components. The standard gives guidance for –

- Pressure and non-pressure applications

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- Pipes
- Fittings (e.g. flange couplers, bends and reducers, valves and electrofusion fittings)
- Manholes, inspection chambers and infiltration boxes

GPR pipes and fittings, and district heating pipes are excluded from the scope of this c-PCR.

No exact UN CPC codes are identified for this product.

2.2.2 TYPE OF EPD AND INFORMATION MODULES INCLUDED

As in PCR 2019:14 and EN 16903:2025

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 16903:2025

5 CONTENT AND FORMAT OF EPD

As in PCR 2019:14 and EN 16903:2025

6 GLOSSARY

As in PCR 2019:14 and EN 16903:2025

7 REFERENCES

CEN (2025) EN 1690:2025 Curtain walling – Plastics piping systems buried outside buildings – Environmental product declarations – Product category rules complementary to EN 15804

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 (2022) EN 13830:2015+A1:2020, Curtain walling – Product standard.

EPD International (2020): PCR 2019:14 Construction products, version 1.1.

EPD International (2021): General Programme Instructions for the International EPD® System. Version 4.0, dated 2021-03-29.
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 1.0.0 2026-02-04

Original version.

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