EPD®

THE INTERNATIONAL EPD® SYSTEM

PCR development process for EPD creation

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EPD International AB
www.environdec.com

- Worldwide first EPD programme founded Sweden in 1997; jointly owned by Swedish Environmental Protection Agency & Industry
- In 2014, EPD programme ownership transferred to EPD International AB, a fully-owned subsidiary to the NPO IVL Swedish Environmental Research Institute (IVL)
- International EPD system (IES) offers registration and publication services for Environmental Product Declarations (EPD) acc. ISO 14025 & EN 15804/ ISO 21930 for construction products

WHAT IS AN EPD?

Globally recognised communication format for type III (ISO 14025) environmental declarations

EPDs communicate transparent, objective and comparable information about the life-cycle environmental performance of products and services.

A structured report

LCA conducted according Product Category Rules (PCRs)

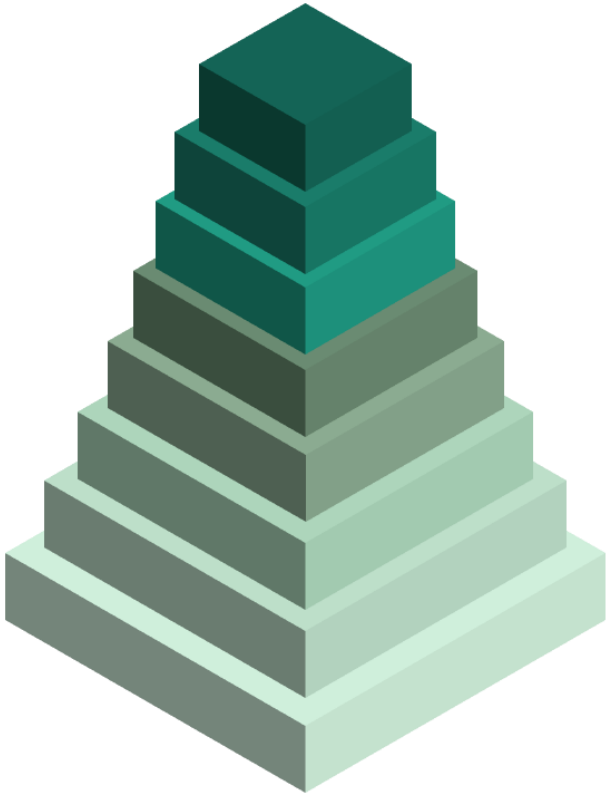
LCA is 3rd party verified

Registered with an EPD programme operator

(The International EPD System)

MANAGEMENT FRAMEWORK & STANDARDS

EPD®
THE INTERNATIONAL EPD® SYSTEM



01 COMPLEMENTARY (C)-PCRS
Additional requirements for a specific product group within a product category

02 PRODUCT CATEGORY RULES (PCRS)
Specific requirements for one or more product categories

03 PRODUCT SPECIFIC STANDARDS
EN 15804, ISO 29130, etc.

04 GENERAL PROGRAMME INSTRUCTIONS
Regulation on overall administration and operation

05 ECO-PLATFORM
Regulation on administration, calculation and verification

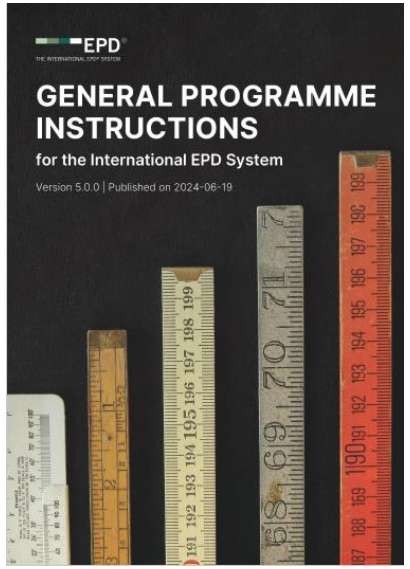
06 EPD STANDARDS
ISO 14025, ISO/TS 14027 and ISO 14029

07 LCA STANDARDS
ISO 14040, ISO 14044, ISO 14067 and ISO/TS 14071

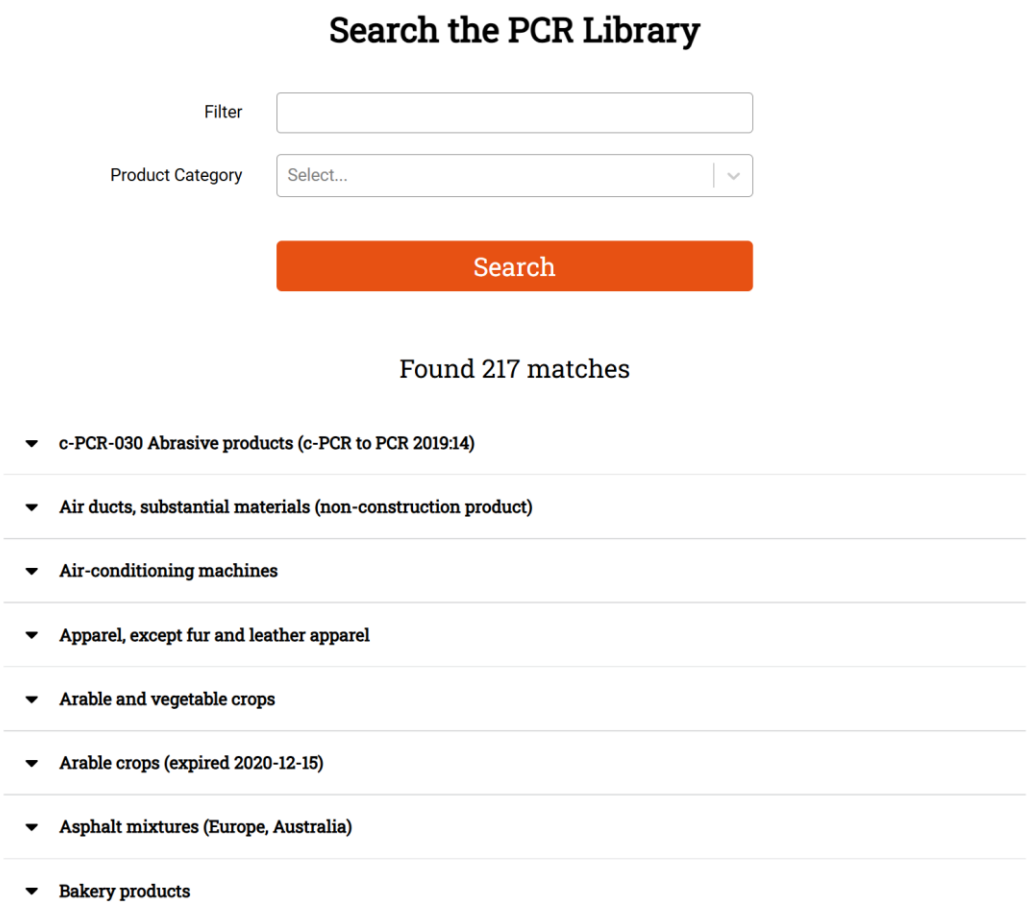
08 ORGANISATIONAL STANDARDS
ISO 9001, ISO 17029 and ISO 17065

WHAT IS A PCR?

- A **P**roduct **C**ategory **R**ule. -> an industry standard
- Contains the rules, requirements, and guidelines for developing an EPD for a specific product category.
- Is used as complements to the general programme instructions (GPI):
- Defines and explains the LCA calculation rules;
- Defines the EPDs' contents.



PCR library



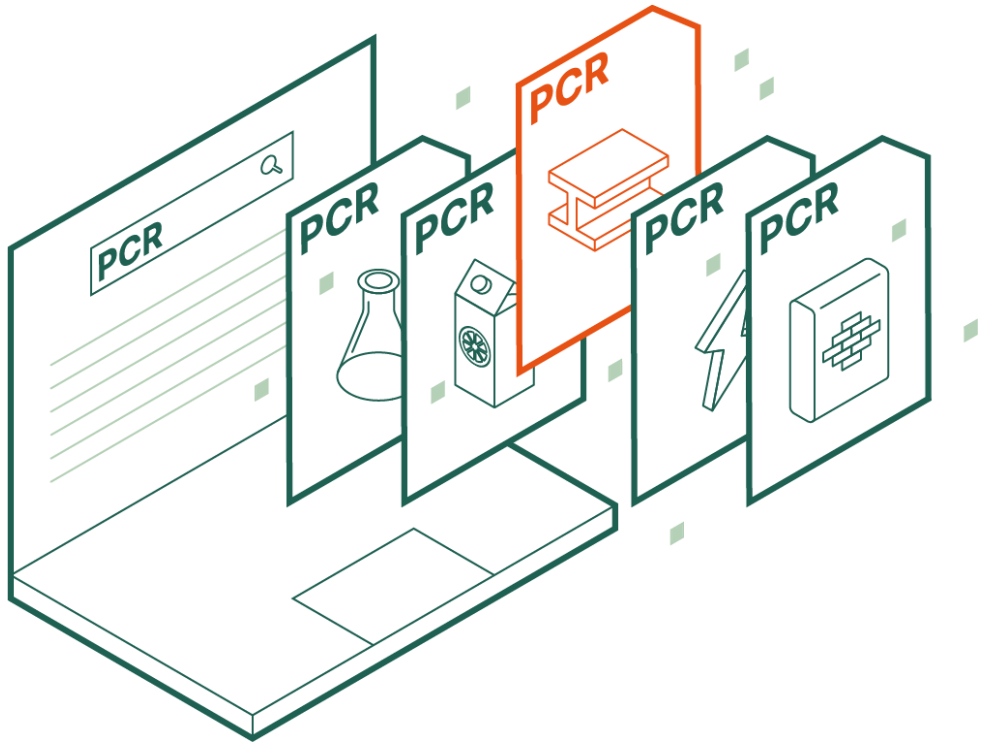
- An EPD cannot be done without a valid PCR.

www.environdec.com

PCR development process

Steps for developing a PCR

1. Initiation
2. Preparation
3. Open consultation
4. Review, approval and publication
5. Update



1. Initiation

- Define the product category and its scope considering aspects such as:
  - Primary and secondary function of the product
  - Results from screening study/existing LCA literature for the product group
  - Product specific standards
- Consider available PCRs
  - Existing PCRs at IES and other EPD POs shall be considered before starting new development of PCR – to avoid overlap.
    - Currently, we have c-PCR-017 Technical chemical products which includes sealants based on ISO 6707.
    - This c-PCR is limited to sealants that are used within construction sectors.
- PCR moderator and PCR committee.
- Communication plan to invite other stakeholders to join PCR committee
- Action point: send in **PCR development checklist**. Templates available at www.environdec.com.

1. Initiation (cont.)

- The Secretariat will check the checklist and evaluates if the PCR can be initiated.

List of guiding PCR documents and templates for PCR development

PCR Development Checklist

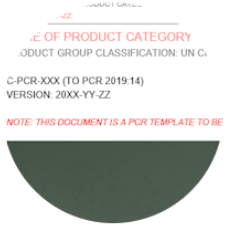
For PCR Moderators to submit to the Secretariat to initiate a PCR development or updating process.

Download

PCR Template GPI 5.0.0

Template, with guidance, for developing PCRs.

Download



Template for c-PCRs to PCR 2019:14

Template, with guidance, for developing complementary PCRs (c-PCRs) of specific categories of construction products, complementary to PCR 2019:14.

Download

Template for c-PCRs to non-construction products

Template, with guidance, for developing complementary PCRs (c-PCRs) to main PCRs of non-construction products.

Download

2. Preparation

- The preparation stage starts after the checklist and been accepted and the PCR development is announced on our website.
- The preparation includes
  - Announce the initiation of the PCR development through different communication channels.
  - Contact the identified relevant stakeholders to give them opportunity to join the PCR committee.
  - Send a documentation to the secretariat regarding the communication outreach that has been made (within 90 days).
  - Develop first draft of the PCR using the applicable PCR template available on www.environdec.com (non-construction or construction product)
  - See more in the PCR development checklist.

3. Open consultation

- Open consultation give opportunity for the public to provide inputs to the draft PCR.
- Submit the **first draft of the PCR** to the Secretariat
- The Secretariat check the draft PCR before initiating the open consultation process
  - To ensure that no obvious and unjustified contradictions to the GPI exist.
  - Make editorial changes and propose suggestions
- Apart from the draft PCR, **a stakeholder list** to be invited for the open consultation needs to be submitted.
- Stakeholders are those that have knowledge and skills in the product/LCA or manufacturers – they shall be both national and internationally relevant for the PCR developments.
- The open consultation will be held for 8 weeks. Public meetings or webinars may be held.

4. Review, Approval and publication

- The PCR moderator considers all comments recieved during OC and update the draft PCR accordingly.
- PCR moderator and PCR committee prepare a summary of the open consultation (usign template).
- Submit the updated draft and summary of the OC to the Secretariat.
- The Secretariat make a pre-review and then send the draft to the Technical committee (TC) for review.
  - The pre-review may take 1-2 weeks
  - The review by the TC takes 6 weeks
- TC gives the verdict of the review – accepted/ accepted after comments are fulfilled/ not accepted.
- PCR is published and valid for 4 years.

5. Updates

- A PCR is valid for 4 years. Around one year before the PCR expires, the Secretariate will contact the moderator if there is a need to update the PCR.
- Moderator may recieve comments to the published PCR. They may lead to an update during the validity period or be used as inputs to the next update.
- An expired PCR cannot be used to develop an EPD.

How long does it take to develop a PCR?

- The full process usually takes 8-12 months.
- Normally from initiation to start of open consultation (i.e., the preparation of the first draft): 1-4 months.
- Open consultation 2 months.
- Update of the PCR based on the Open consultation: 1-4 months.
- Review: 2 months.
- Final update and publication 1-2 months.

Want to know more?

- See GPI 5.0 section 9
  - Initiation – Section 9.1
  - Preparation – Section 9.2
  - Open consultation – Section 9.3
  - Review, approval and publication – Section 9.4
  - Updates – Section 9.5
- FAQ related to PCR - Link
- PCR creation process on website – Link
- PCR development checklist and PCR templates – Link

Q&A