

What is an EPD?

An EPD is a standardized document that provides transparent and comparable environmental information about a product. EPDs fall under Type III Environmental Declarations according to ISO 14025 and are based on EN 15804 for construction products and EN 50693 for electronic and electrical products and systems. Before an EPD is published, it is verified by an independent third party to ensure its quality and credibility.

Through comprehensive analysis, EPDs also reveal optimization potential along material and energy flows. As an EPD includes information on CO₂-equivalent emissions in the form of global warming potential, it can also be used as a carbon footprint of products (CFP).

In the construction sector, EPDs fulfill critical requirements of the Construction Products Regulation (CPR) and are essential for calculating the life cycle assessment of buildings. They are indispensable for sustainable certification systems such as BNB, DGNB, BREEAM, or LEED. EPDs are the key to sustainable construction and transparent communication of ecological responsibility.

EPD benefits

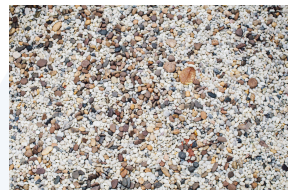
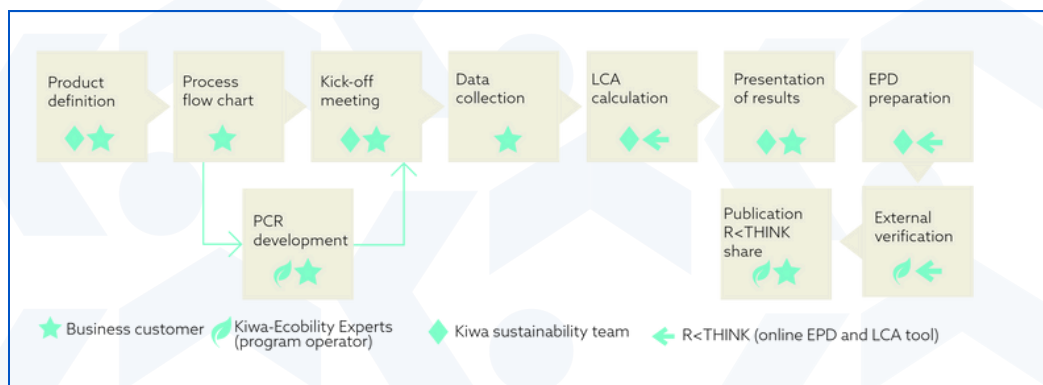
- Confirmed the sustainability of the product;
- Confirmed the product's compliance with standards;
- More sustainable supply chain management;
- Opportunities for production optimisation are revealed;
- Improving manufacturer credibility and transparency;
- Competitive advantage

Why Kiwa?

- Kiwa Ecobility experts is the operator of the EPD programme;
- ECO Platform members since 2018;
- More than 400 published EPDs;
- International team of experts;
- Online tool for preparing EPDs developed by LCA experts - R<THINK;

How does an EPD project typically proceed?

- **Kick-off Meeting.** An EPD project starts with a kick-off meeting where we jointly define the relevant products, life cycle phases to be considered, and the goal and scope of the study.
- **Life Cycle Assessment (LCA).** Based on the data you provide, we create a detailed life cycle assessment. We provide suitable templates for this process—available online or, if needed, on-site.
- **EPD Compilation.** The results of the life cycle assessment are then formatted into the standardized structure of an EPD in accordance with the relevant standards.
- **Verification and Publication.** After independent verification, the finalized EPDs can be published, for example, in industry-specific databases. As an established member of the ECO Platform, we also have the ability to make your EPDs available on the ECO Portal—for maximum visibility and reach.



How to get an EPD?

There are three main options available:

• Full-Service Solution

We handle the entire process of creating your EPDs, including the independent verification by the program operator Kiwa-Ecobility Experts. We also coordinate communication and alignment with the external verification body.

• License for Our Online Tool R<THINK

With a license for our user-friendly online tool R<THINK, you can independently create EPDs and LCAs. We provide comprehensive onboarding and support you during the independent verification of your EPDs by the program operator Kiwa-Ecobility Experts.

• Combined Solution

We create your first EPD and then offer you a license for R<THINK, including onboarding. Since we also work with R<THINK, you can easily adopt and adjust the calculations we have prepared. This allows you to quickly and efficiently create EPDs for additional products based on our initial work

	Option 1 Kiwa creates EPD for you		Option 2 Kiwa creates the first EPD, you prepare the next EPD yourself, based on the template you have		Option 3 You purchase an R<THINK licence and prepare the EPD yourself with Kiwa's support	
Responsibilities	<u>Kiwa</u>	<u>You</u>	<u>Kiwa</u>	<u>You</u>	<u>Kiwa</u>	<u>You</u>
Data collection	✓	✓	✓	✓		✓
LCA modelling	✓		✓	✓		✓
EPD generation	✓		✓	✓		✓
Verification	✓		✓	✓		✓
Publication	✓		✓		✓	



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