



European Regulation **2024/3110**

***Environmental Product
Declarations (EPD)*** in
the construction sector



kiwa

The construction sector is at the heart of the European Union's new environmental requirements. With the entry into force of Regulation (EU) 2024/3110, construction products will be subject to stricter legal requirements, particularly with regard to verified environmental information.

This e-book explains what is changing, who it affects, and how your company can comply with the new requirements through the Environmental Product Declaration (EPD).

The Environmental Challenge of the **Construction Industry**

The construction sector accounts for a significant portion of the environmental impacts:

- More than 35% of the waste produced in the EU comes from construction.
- 5% to 12% of greenhouse gas emissions come from the extraction, manufacture, and renovation of buildings.
- Up to 80% of these emissions can be avoided through more efficient use of materials (according to the European Commission, Construction and Demolition Waste Management Protocol).



Environmental Product Declarations represent a transparent commitment to a more sustainable future.

The European Union's response to this challenge is to make construction more sustainable, traceable, comparable, and efficient, and that requires new regulations.

What is Regulation (EU) 2024/3110?

This regulation revokes Regulation (EU) 305/2011 and focuses on sustainability and digitization. Its objectives are:

- Ensure the free movement of construction products within the EU.
- Contribute to the ecological transition.
- Accelerate digitization in the construction sector.
- Balance performance and sustainability requirements.

Major changes to the Regulation

The Regulation introduces new fundamental requirements for construction products:

1. Mandatory environmental sustainability declaration

The application is mandatory for many construction products and is being progressively implemented under European Commission regulations. The essential environmental characteristics, according to the new regulations, correspond to the environmental impact categories included in the Environmental Product Declarations (EPD), in accordance with standard EN 15804.

3. Digital Product Passport (DPP)

All construction products must have a digital passport with standardized and easily accessible technical information, including data on performance, compliance, sustainability, and safety

2. Declaration of Performance and Conformity (DoPC)

This document now includes:

- Technical and safety data
- Hazardous substances
- Environmental impact throughout the life cycle
- Standardized digital data

4. Assessment and verification systems (AVS 3+)

The new regulation establishes the requirements for assessment and verification systems (AVS) for construction products. Among the new features is the introduction of the 3+ system, designed to assess environmental sustainability. This system involves notified bodies, which are responsible for verifying the environmental performance of construction products.

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Customers choose **Kiwa**

- Over 10 years of experience in creating EPDs, PCFs (Product Carbon Footprints), and CCFs (Corporate Carbon Footprints).
- Over 500 EPDs created.
- Over 10 years of experience in verifying environmental impacts.
- Over 700 validations and verifications performed.

What is a EPD and what is it used for?

Environmental Product Declarations (EPDs) are standardized documents that provide verified information on the environmental impact of a product or service throughout its entire life cycle, based on the Life Cycle Assessment (LCA) methodology, from the extraction of raw materials to the end of the product's useful life.

This declaration allows products to:

- Be comparable in environmental terms
- Be traceable and transparent
- Comply with certifications such as LEED and BREEAM

EPDs belong to the category of Type III environmental declarations (ISO 14025) and are valid for five years after verification by an independent body.

What does an EPD include?

An EPD is based on a life cycle assessment (LCA) and includes environmental impacts such as:

- Global warming potential (GWP)
- Acidification and eutrophication
- Energy and resource consumption
- Greenhouse gas emissions
- End-of-life and recycling data

What are the benefits of an EPD?

In addition to legal compliance with Regulation 2024/3110, the EPD offers several advantages:

- Support for business decisions and sustainable design
- Requirement for environmental certifications for buildings
- Differentiation in the European market with a focus on sustainability

How to obtain an EPD?

The process requires technical knowledge and compliance with regulations. Therefore, it is necessary to:

1

Collect data on the product life cycle

2

Conduct a life cycle assessment (LCA)

3

Prepare the EPD in accordance with EN 15804 and ISO 14025 standards.

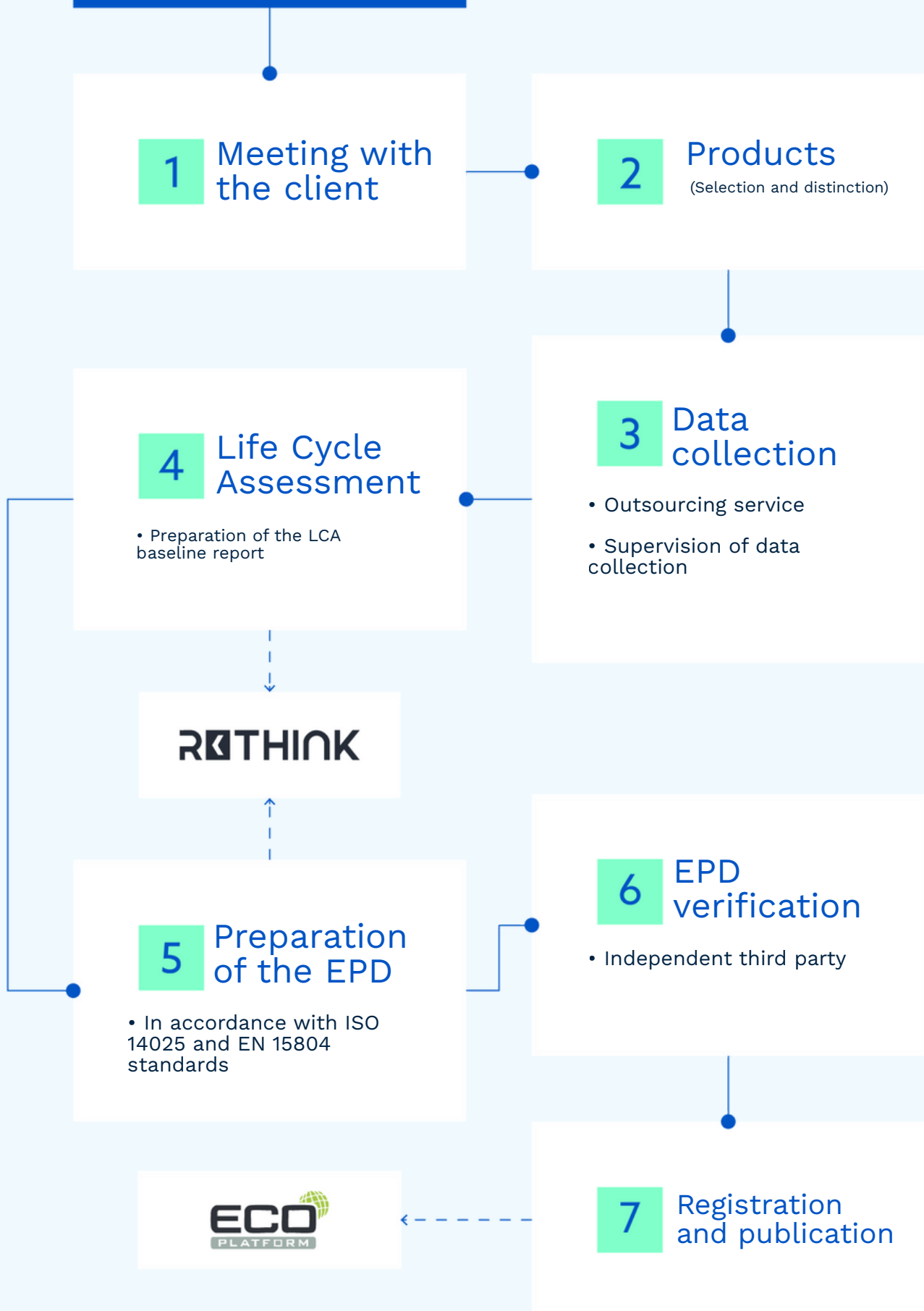
4

Submit it for verification by a qualified verifier.

5

Publish it and maintain its validity for 5 years

The Process



Kiwa Solutions

Environmental Product Declarations

The process for obtaining your Environmental Product Declaration (EPD) is simple: contact us to schedule a brief meeting, during which we will analyze your specific requirements. We will then provide you with a personalized proposal.

There are three main options available:

Comprehensive solution

We take care of the entire process of preparing your EPDs, from data collection, product life cycle assessment, and EPD preparation to independent verification by the Kiwa-Ecobility Experts program operator.

License for our online tool R<THiNK

With this license, you will be able to independently create your own EPDs and LCA reports.

We offer comprehensive training and provide support during the independent verification process carried out by Kiwa-Ecobility Experts.

Combined solution

We create your first EPD and then provide you with an R<THiNK license, which includes training.

Since we also work with R<THiNK, you can easily reuse and adapt the calculations we prepare, allowing you to develop additional EPDs quickly and efficiently.

Conclusion

Compliance with Regulation 2024/3110 is a legal obligation and an opportunity for companies to become more competitive, sustainable, and recognized in the European market.

Ensure that your company adapts to the new legislation. Talk to our experts and plan your environmental compliance process with confidence!

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