Environmental Product Declarations
what they are, why they are needed and how to get them

One Click LCA

What is an Environmental Product Declaration?

An EPD is a standardized and a verified document reporting a product's environmental impacts. The environmental data is created using a holistic life-cycle assessment (LCA), and gets verified by a third-party expert. Construction product EPDs follow EN 15804 or ISO 21930 standards. The EPD is published by an EPD program operator, of which there are several.

Every EPD provides the product's carbon footprint – called the Global Warming Potential (GWP). In addition to carbon, the EPD contains environmental impacts to air, soil and water bodies.

More practical guidance: How to make an EPD (free e-book).

How many EPDs are there?

800+

300+

500+

500+

1000+

2500+

500+

Manufacturer specific EPDs by manufacturing country

Why are EPDs needed?

EPDs provide transparency about product impacts, and this matters to buyers and specifiers who want transparently documented low-carbon products. Research by Saint-Gobain shows that top three client expectations for choosing a construction product supplier include the following.

76 %
want suppliers to be transparent about the impacts of their products

72 %
want manufacturers to provide them sustainable or green products

EPDs are used in certification, regulations and purchasing

Approximately 80 % of European green building standards and regulations use EPDs. EPDs are valued and required by certifications, such as LEED and BREEAM, and regulations, such as the Swedish Klimatdeklaration.

EPDs also help your firm stand out in procurement, and supports fact- and performance-based product marketing and justifies specifying your products. If you would like learn more about this, we suggest this half-day training.

Documentation
BREEAM · MILJÖ BYGGNAD · HOME QUALITY MARK delivered by bre

Use in building LCA
BREEAM · DGNB · ZERO CARBON CERTIFICATION · Level(s)

Buy low-carbon
BREEAM SE · HQE · BREEAM NOR

How to get EPDs done efficiently and reliably?

There are two ways to create an EPD. You can get a consultant to do it, or you can create it yourself using a specialized software and database. In both cases, you need pay for third-party verification and publishing, and need to collect detailed information about your product & processes.

If you only need carbon footprint, you can also skip verification & publishing costs.

15 000 €+
Typical cost per EPD, according to an international survey.

50 % +
Cost reduction with One Click LCA from your first EPD on.

If you wish to consider One Click LCA software for creating your EPDs, One Click LCA EPD Generator Starter costs 2500 EUR per named user per year and requires a 1000 EUR training. The more powerful Business license costs 4500 EUR per named user per year and requires a 2000 EUR initial training. EPD verification and publishing costs are separate. Prices subject to change, ex VAT. For details write to sales@bionova.fi.

One Click LCA EPD Generator

One Click LCA EPD Generator is an easy-to-use EPD and carbon footprint calculation software. It is pre-verified, meaning you can get EPDs faster and cheaper. You don't have to be an expert – we train and support you and manage the whole EPD process.

www.oneclicklca.com/pre-verified-epd-generator/