



EPD ON CONSTRUCTION PRODUCTS

SGS offers dedicated sustainability services to producers of construction products.

Environmental product declarations (EPD) become increasingly important to communicate environmental information on products in buildings and construction works. The European standard EN 15804 has given a boost to the harmonization of setting up EPD's. An EPD is created as the result of a Life Cycle Assessment (LCA).

The creation of the EPD is summed up in 4 steps:

1. Data collection and evaluation in collaboration between producer and LCA expert.
2. Efficient data modeling and LCA calculations by qualified experts.
3. Reporting and the creation of a clear and usable EPD for validation.
4. Validation by a third party (not necessary for internal studies or an indicative LCA).

An LCA also generates quantitative information on the processes that have the largest impact on the environmental profile of a product. This enables the producer to optimize his processes and the raw materials used in order to optimize the environmental performance.

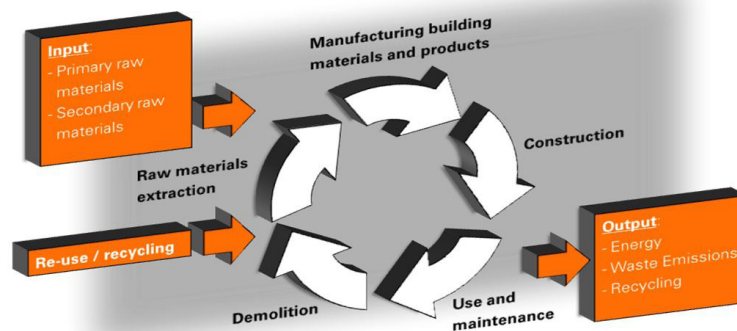
ADDITIONAL ADVANTAGES:

- 'green' image;
- eligibility for sustainable procurement;
- transparent communication of environmental data with clients;
- display beneficial environmental properties of your product (substantiate environmental claims).

In spite of the single standard EN 15804, different EPD programs and national systems require specific treatments due to specified databases for background processes and specified default processes. Also the set of impact indicators included in the EPD may vary between EPD programs. By its worldwide presence, SGS is able to assist producers with the specific EPD program they need. Local SGS experts may assist in an efficient adaptation of existing LCAs to a specified EPD program.

SGS INTRON SERVICES

- SGS supports producers in setting up an EPD by conducting a Life Cycle Assessment (LCA) on the construction of a product. We do so by collecting data on processes and raw materials in close collaboration with the producer. We conduct the LCA calculations and analyses.
- SGS can develop EPD generating tools for producers or for trade associations which enable producers to calculate the environmental profiles of a multitude of products by themselves. The tool may be either a standalone tool (Excel) or a web based tool. These tools can dramatically reduce the costs per EPD. Furthermore a dedicated LCA tool can be used for innovation by showing the effects of impact of improvement steps on the environmental profile of your product.
- SGS can operate as independent, third party reviewer for several EPD schemes.



AN INTERNATIONAL ORGANISATION

SGS provides the best possible solutions on durability and sustainability. SGS is the world's leading inspection, verification, testing and certification company and is recognized as the global benchmark for quality and integrity. With more than 80,000 employees, SGS operates a network of over 1,650 offices and laboratories around the world. This makes us a powerful partner, whether at home or abroad.

We are happy to help, so please contact us when you would like to receive more information.

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