COLLECTING AND REPORTING I building products environmental information EPD

ENVIRONMENTAL product DECLARATION (EPD)



EPD: When researching a product, we should try to obtain the product's EPD with the product's environmental information.

If the EPD is not available, make sure that the information you find is verified by a reliable source, such as manufacturers, associations, etc.

The EPDs are verified by independent parties in a series of reviews before they are published and registered.

An EPD is not a claim of environmental superiority for a specific product.

PCR: The Product Category Rules (PCRs) were developed to enable comparisons among products of the same category. The format, contents and manner of use of PCRs are established by the ISO (International Organization for Standardization).

Information for this module was taken from the 'Environmental Product Declarations (EPDs): Improving Material Selection Options in the IgCC'

The International Green Construction Code

the EPD

The EPD (Environmental Product Declaration) is a document that QUALIFIES environmental information on products to facilitate comparisons between products with the same function. The format of the EPD is the same for all products, so the information recorded is always the same type and organized in the same manner.

- EPDs provide information about products from cradle to grave (or cradle) such that designers, specifiers, buyers, code officials and the general public can better understand a product's specific, as well as overall, environmental impact.
- EPDs make the environmental benefits of energy efficiency and other important aspects of a given product clearer.

For uniformity and quality control purposes, the collection and documentation of the information included in an EPD is done following a set of rules called **Product Category Rules (PCR)**; these rules are for working with a product type (for example "insulation", "floor fiinishes", etc.) This procedure makes working with environmental information of different products easier.

The EPDs are prepared by the product manufacturers. The steps to prepare an EPD are:

- Define the product using the Product Category Rules. Product Category is a group of products that have similar functions, for example: 'floor finishes,' 'concrete blocks', or 'insulation'.
- Collect and document the information necessary following the Product Category Rules.
- Using the information collected, prepare a document called the Life Cycle Assessment (LCA), that measures the product's environmental impact throughout the product's life cycle.
- 4. Prepare the product's Environmental Product Declaration (EPD) using the information in the LCA.

A properly developed EPD follows an ISO standard to report information over the entire product life cycle with quantitative measures of key environmental impacts. An EPD follows a specific format described in an ISO-compliant Product Category Rule (PCR) and verified by the PCR program operator and reports information on the entire product life, from manufacture to final disposal.

The contents of the EPD are third-party-reviewed during the process of obtaining the relevant information and documenting it, with the goal of making approval decisions and judgments easier to use and understand for code officials, because they can consider an EPD as a verified IgCC compliance report.













