SCSconsulting SERVICES℠

Environmental Product Declarations

EPDs Made Easy: Navigate Sustainability with Confidence

EPDs from SCS Consulting Services provide valuable sustainability data for products and a competitive edge in the market. They showcase your commitment to transparency by detailing a product's environmental impacts through a rigorous life cycle assessment (LCA) study. If your business supplies products for green building, government procurement, or sustainability-driven markets, EPDs are a powerful differentiator for meeting standards like LEED v4.1, LEED v5, and government Buy Clean programs. SCS Consulting Services provides everything you need including navigation of third-party verifications and EPD Program Operation. Let SCS Consulting Services help you lead the way in sustainable innovation.

EPD for Benjamin Moore® Paints

What is an EPD?

An EPD is a verified, market-facing summary of the environmental impacts associated with a product as studied in a **Life Cycle Assessment (LCA)**. It is used to communicate information about the potential environmental and human health effects of a product. Sometimes described as a nutritional label for products, EPDs document what a product is made of and how it impacts the environment. LCAs measure potential environmental impacts such as:

Climate Change

Acidification (acid rain)

Smog Formation

Eutrophication (a type of water pollution)

Ozone layer depletion

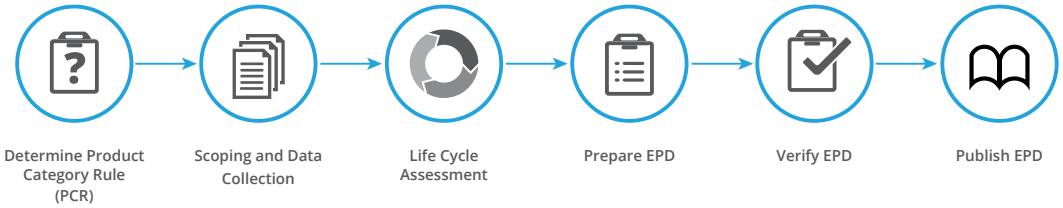
The LCA must be conducted according to a set of Product Category Rules (PCRs). This allows comparability for products in the same category. The PCR outlines the boundary and stages that must be accounted for in the LCA which can include some or all of the following: raw material extraction, manufacturing, transportation, use and maintenance, and end-of-life disposal. The two most common are:

- Cradle-to-Gate – Raw material extraction through to final manufactured product
- Cradle-to-Grave – All stages, raw material extraction through end-of-life disposal

Credible LCAs conform to international standards such as ISO 14044, ISO 14025, and ISO 21930 (for building products) or EN 15804.

EPDs must be published and publicly listed on a recognized EPD program.

LCA and EPD Process



Why publish an EPD?

EPDs are robust transparency documents that detail a product's environmental information. They contribute to credits in LEED® v4.1, v5 and other green building schemes, so they help products gain visibility with specifiers working on sustainable projects. EPDs are increasingly required for government, school and higher education projects including governmental "Buy Clean" programs. EPDs are also used to compare carbon intensity of products in a given category so specifiers can work to lower embodied carbon in buildings and infrastructure projects.

Document Improvement with EPD Optimization

Products with existing EPDs undergoing renewal or products included in industry-wide EPDs, have the opportunity to demonstrate improvement in environmental impacts and contribute to an additional credit in LEED v4.1 and v5 for EPD Optimization. SCS will prepare an Optimization Report based on the new LCA comparing the impacts to the old EPD or industry-wide EPD. If a new product EPD demonstrates improvement in greenhouse gas warming potential (required) over the comparison EPD, it can contribute to the additional credit.

EPD for Keilhauer Chairs

Why SCS Consulting Services?

SCS Consulting Services leverages over 30 years of LCA expertise in building products, agriculture, textiles, electronics and more and they have been serving manufacturers in creating EPDs since 2013. Our experienced team of practitioners embrace an unwavering commitment to scientific rigor, credibility, and transparency.

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