

ENVIRONMENTAL PRODUCT DECLARATIONS

Your Turnkey Service for EPD Publication

Launched in 2011, SCS Global Services has one of the oldest and largest EPD programs in North America. SCS Global Services offers a complete turnkey package for publishing EPDs. This includes the Life Cycle Assessment (LCA) study, the coordination of external reviews by internationally recognized experts as well as the EPD program operation.

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

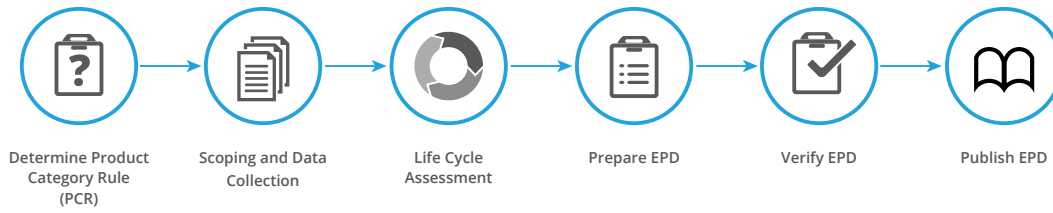
Credible LCAs conform to international standards such as ISO 14044, ISO 14025, and ISO 21930 (for building products).

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



EPD for Bentley AFIRMA™
Hardback Tile

LCA and EPD Process

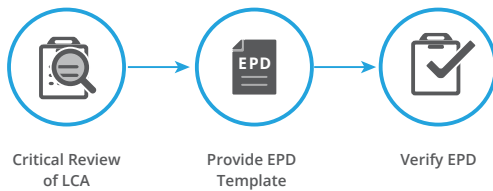


Why publish an EPD?

EPDs are robust transparency documents that detail a product's environmental information. They contribute to credits in LEED® v4.1 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. EPDs are also used to compare carbon intensity of products in a given category so specifiers can work to lower embodied carbon in buildings.

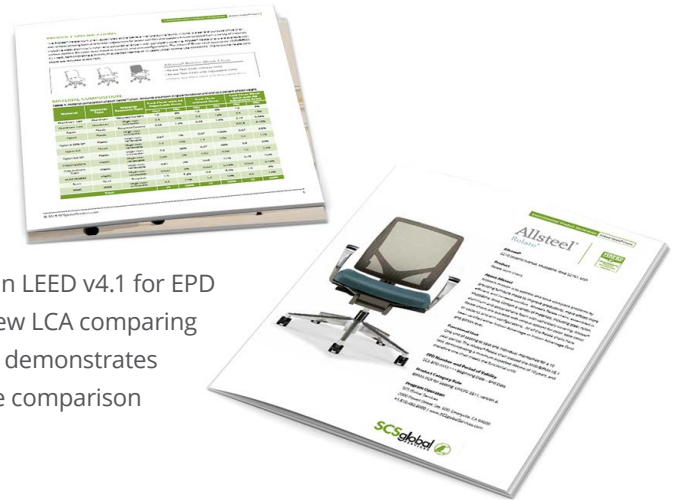
SCS EPD Verification and Program Operation

If you already have completed an LCA, SCS can critically review the LCA and provide a template for the EPD. SCS will verify the EPD against the LCA report and designated PCR.



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 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 Allsteel® Relate® Task Chairs

Why SCS?

Founded in 1984, SCS brings nearly 40 years of sustainability experience, in every sector of the economy, to inform your project. SCS has prepared and published EPDs for companies around the globe including North America, EMEA and Asia. Contact SCS today to simplify your EPD journey.

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