

► What is EPD?

An Environmental Product Declaration (EPD) is a document which transparently communicates the environmental performance or impact of any product or material over its lifetime. It provides verified information about the impact the material or product has upon the environment :

- **Carbon footprint**
- **Energy/water consumption**
- **Waste generated...**



The information published in an EPD is based on a **Life Cycle Assessment (LCA)**. An LCA examines and quantifies the range of environmental impacts from **'cradle to grave'** - from raw material extraction, manufacture, installation, use, demolition to final disposal, which means the whole value chain is taken into consideration when disclosing EPD information.

6 LCA Stages



The LCA report and data is presented in a standard format that enables users to compare life cycle impact data between products.

*The concept of EPDs is based on the standard ISO 14025, which is internationally recognized and developed by the International Organization for Standardization, and it can be used for all products and services.

► Why EPD

Market Requirements:

The terminal market and customers are more and more demanding sustainable products with lower environmental impact. Thus, it's necessary to disclose such information in a formal and standardized approach like EPD. Products with EPD can create a differentiated advantage for the company, as well as reveal its sustainable development ambition.

Policy Driven:

More and more countries are making new laws to manage and limit domestic carbon emissions, and include phased carbon reduction targets to fulfill the commitment to reducing the environmental impact of their business activities. Business and commercial entities are then required to be compliant in this subject to remain qualified and competitive as these limits come into force.

Global Recognition:

EPD has become trendy in various industries and regions. By following ISO standards, EPD has obtained much recognition worldwide and is regarded as a trustful tool for publishing the products' environmental impact. It thus enables multinational companies to market the certified products internationally.

► How to Create an EPD?

Classical EPD Process



► EPD Certifications

Globally, there are numerous EPD certifications issued by different certification bodies, below listed 3 are the most well-established ones in the market with both local and worldwide exposure.



EPD program originated from France, an internationally recognized program for declaring the environmental impact of electrical, electronic, and HVAC products. This is the EPD program Sonepar uses to certify LIT By CARDI products.



EPD program originated from Sweden, the world's first operational EPD program with subsidiary companies extended globally. This program mainly focuses on certifying construction products with minor coverage of electrical and electronic products.



EPD program originated from Germany, and was founded by building manufacturers. With the vision to create an internationally recognized and standardized tool for sustainable buildings, this program focuses on certifying building products.

Sonepar's exclusive brands, LIT by CARDI and TRADEFORCE, are currently pursuing the first EPDs to measure up their product carbon footprints and other environment impacts, aiming to gradually improve and optimize the product life cycle environmental performance to promote a sustainable development of the brands.

