

Understanding LCA's, EPDs and Environmental Profiles

An EPD shows the results of a Life Cycle Assessment (LCA)

Following ISO14040 and ISO14044 the LCA identifies the environmental impact (e.g. the Global Warming Potential in kg CO2-eq) during the life cycle of a product:



Externally verified by SGS

Environmental impact insights can be used for...

- Selecting solutions with the lowest embedded carbon (in CO2 equivalent emissions).
- Complying with relevant sustainability rules and regulations.
- Identifying areas where environmental impact (e.g. embodied carbon) can be reduced.

As many inputs in an LCA are confidential, the **environmental impact** figures are summarized in an **Environmental Product Declaration (EPD)** following (EN 15804+A2)

Standardized formatting makes it possible to compare the environmental impact of products.

The difference between an EPD (ISO14025, type III) and an Environmental Profile is that a type III-EPD is published into a national database. The data (input) that is used and the results (output) are the same.

For more details on Wavin's environmental impact and sustainable solutions, and the availability of Environmental Profiles and EPDs, please reach out to your local Wavin contact.

Here's how Orbia B&I (Wavin) is taking action to lower its environmental impact at every stage of the product life cycle

