



openEPD

An Open Standard Digital Format for EPDs

Why?

openEPD is an open data format for creating and exchanging digital third-party verified Environmental Product Declarations (EPDs) among Program Operators, EPD Databases, Life Cycle Analysis tools, design tools, reporting, and procurement. It takes the form of an OpenAPI 3.0 compliant, RESTful API.

Unlike print or PDF EPDs, openEPD provides a shared and precise format to express and refer to EPDs. openEPD can be used alongside a printable document or can generate printable EPDs.

openEPD transfers EPDs between systems with minimal chance for error. It also unambiguously identifies companies, plants, and persons using interoperable natural IDs, which is unique compared to existing formats such as ILCD+EPD.

Through work with 150,000 EPDs from 31 program operators, openEPD has become flexible enough to handle documents from different programs, jurisdictions, and industry sectors. These guarantees make it easy to use in compliance checking, regulatory reporting, procurement, and research.

FAQ'S

Does openEPD work with major standards and formats?

openEPD is compatible with ISO 14025, EN 15804, and major North American PCRs. It is compatible with most dialects of ILCD, as well as Masterformat and ICMS.

Is openEPD extensible?

Yes. Standard extensions exist for concrete and many other products. Program Operators and PCR committees can define additional extensions to handle specific needs.

How does openEPD address comparability of EPDs?

openEPD has built-in handling for uncertainty, upstream data sourcing, and product performance specifications. Altogether, this provides a major step forward in enabling comparability.

How much does openEPD cost?

The openEPD standard is free to use, distribute, and extend. It is offered under the [Apache 2.0](#) software license.

“Simply put, openEPD is a standard digital format for construction EPDs and a huge step forward in making EPDs useable at scale to reduce embodied carbon in the construction industry.”

- Chris Erickson, CEO of Climate Earth