



PEP ECOPASSPORT

A WELL-KNOWN PROGRAM FOR EPD

The "P.E.P. Association" is a nonprofit association ("Association loi 1901"), whose headquarters are located Paris, France. The PEP ecopassport® program is established for electrical, electronic and HVAC products.

PEP = Product Environmental Profile

What is a PEP?

- PEP is a type III environmental product declaration (EPD) based on a life cycle assessment (LCA).
- Transparency is essential to limit the impact of our products on the environment.
- PEP provides quantified and independently verified environmental information over the life cycle of goods or services.

What are the crucial points?

- Quality of EPD depends on DATA
 - Availability & delivery
 - Quality & verification
 - Ability & willingness to submit data
- EPD creation is covered by many single steps and is currently a manually driven process. Focus on automatized EPDs will be our next step.

AN EXAMPLE: FROM BoM TO LIFE CYCLE MODELING

Bill of materials

Part	Quantity	Unit
Aluminum foil	100	g
Glass tubes	100	g
Aluminum part	100	g
Stainless steel	100	g

Material Composition and Manufacturing Details

Lifecycle Modelling

How is a PEP created?

Input data

- Understanding life cycle stages of selected product
- Defining system boundaries and scope
- Gathering information for each stage: specially manufacturing

Model LCA

- Checking plausibility of inputted data
- Making assumptions using eligible references and standards
- Creating processes and flows to rebuild life cycle of product

Extract LCA Results

- Extracting Life Cycle Assessment (LCA) results for each indicator
- Creating EPD document by applying PEP ecopassport standards
- Getting approval of an external verifier to be compliant with ISO

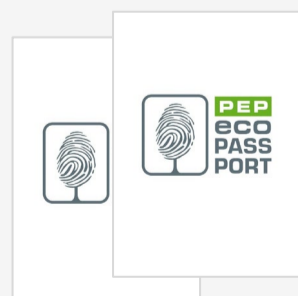
Analyze Scenarios

- Doing scenario analysis with LCA software with different parameters for each life cycle stage
- Using it for impact improvements of products during design phase

Would you like to delve deeper?

Check out the Product Category Rules and Specific Rules for Luminaires from PEP ecopassport PROGRAM.

<https://register.pep-ecopassport.org/documents>



An EPD is delivered as a document or report following a series of verification reviews; it is then ready for registration and publication.

Check PEP Ecopassport database to see our EPD for LEDVANCE Damp Proof Gen 2

