

ITB-EPD

ENVIRONMENTAL PRODUCT DECLARATIONS

Instytut Techniki Budowlanej (ITB) conducts scientific research and development works in the field of construction and related areas, with the view of their implementation and practical application. The ITB is supervised by the Ministry of Infrastructure and Construction.

For over 70 years, thanks to the experienced staff using the most modern research methodologies and specialist equipment, we support development of construction both in the country and abroad.

The ITB conducts national and international research projects, carries out tests of construction products, materials, and engineering structures at the Group of Accredited Testing Laboratories, issues the European Technical Assessments, national approvals and technical recommendations and also provides certification in Europe and Asia.



General information about the ITB EPD programme

Instytut Techniki Budowlanej (ITB) runs a programme of Type III Environmental Product Declarations (EPD) for construction products in accordance to the requirements of **PN-EN ISO 14025** and **PN-EN 15804** and ECO Platform rules.

The programme is continuously updated to fit the new environmental standards and regulations.

The ITB EPD reduces the effort for construction product manufacturers while the industry is enabled to communicate relevant environmental data in a European harmonized format.

Every year several new ITB EPDs support sustainability of construction market. The ITB EPD is a technical information that provides quantifiable environmental data for construction products with a specified technical function on the building level.

Standard PN-EN 15804 defines the core rules for the creation of EPDs for construction products and materials. EPD enables to analyze the life cycle of products with regard to their environmental impacts and to display these analyses in a transparent and standardized way.

The ITB EPD has the highest quality proved by third party verification in accordance to ISO 14025:2010 requirements.

The ITB supports a formal process of EPD implementation on the Polish market and supports design process and construction industry in developing a strategy and accompany on the way to verified and sustainable construction products.

EPD is a voluntary ISO Type III environmental declaration providing an opportunity for manufacturers to have increased transparency regarding the environmental impacts of their products using established international standards. It covers all construction products as it is defined in Annex IV of the European Construction Products Regulation (No 305/2011, CPR).

The ITB cooperates with other EPD programme operators via ECO-PLATFORM, www.eco-platform.org. The ITB EPD is validated, approved and shall accept the core EPD based on ECO requirements.

For a detailed information about ITB EPD programme procedures and related documents please visit

<http://www.itb.pl/zrownowazone-budownictwo.html>

or contact us: e-mail fizyka@itb.pl, phone **+48 22 5664 149**

The ITB EPD provides the basic data for building environmental certification schemes based on PN EN 15978.

BUILDING ENVIRONMENTAL ASSESSMENT

The ITB Method

The method for determining the BEE environmental efficiency factor was developed by the ITB for the assessment of buildings and technologies affecting the parameters of comfort, quality of use as well as demonstrating a considerable potential reduction of negative impacts on the environment. The ITB method uses ITB-EPDs.

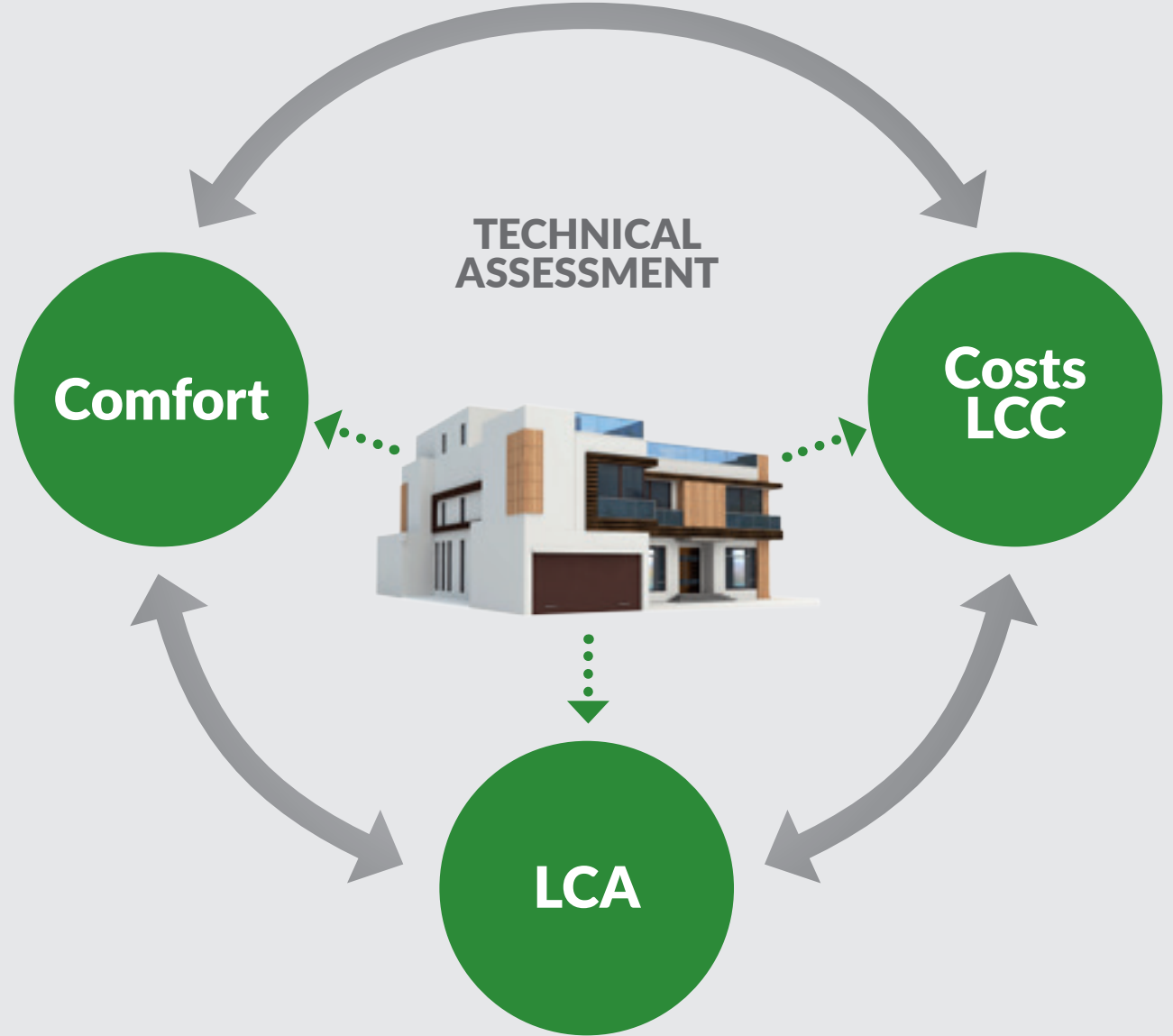
The building assessment is carried out in two parts: assessing the environmental quality (comfort) of the facility use – ‘Q’ (Quality), and assessing the level of reduction (or a lack thereof) of adverse impact on the environment – ‘LR’ (Load Reduction). For each section, assessment criteria have been defined, together with indicators based on national legislation, guidelines, and regulations.

This method, in a relatively short time and without significant financial expenditures, allows to assess the sustainability of buildings.

Five thematic areas based on PN-EN 16309 of the building assessment were considered:

- **comfort, hygiene and health,**
- **safety of use,**
- **usability,**
- **ability to adapt,**
- **use of energy and level of environmental impact.**

Building assessment using the ITB BEE method gives the right to use the ITB-EKO friendly building mark.





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