

Tools for Sustainable Building

Guideline and Working Aids

Sustainable Building Information Portal

The Sustainable Building Information Portal provides general information and basics on sustainable building as well as a number of guides and tools, construction material and building databases along with information about research projects and events. Additionally, all criteria profiles of the BNB modules or system variants can be downloaded from the linked BNB portal.

Life Cycle Assessment (LCA)

Life cycle assessment (LCA) has an important function in the Assessment System for Sustainable Building (BNB). LCA calculates indicators of environmental impacts like global warming, acidification or the ozone hole. The Federal Ministry of Building provides openly accessible data and tools for the life cycle assessment for buildings.

eLCA Software

The eLCA software is an online LCA tool for buildings based on ÖKOBAUDAT data. It standardises LCA calculations according to the rules of the BNB system. The main feature of eLCA is a component editor (Bauteileditor) where users can create building components very easily – supported by dynamic graphics and an integrated library of building elements.

Life Cycle Data Base

The life cycle assessment data are provided online in the ÖKOBAUDAT with generic and product-specific information on the environmental indicators of building materials. Combined with the generic information on the average service life of the building material (service life table), the impact of the building on the environment can be calculated.

Digital Assessment and Documentation Tool (eBNB)

The internet-based tool (eBNB) centrally collects complex building information for all certified federal buildings in the form of dynamised building data. It was developed as a project management system for implementing the BNB system in federal buildings.

The central goal is to harmonise verification and documentation processes in the BNB system, to ensure quality in the field of conformity testing and to improve the flow of information at federal building authorities. With the eBNB as a central database system, all the information required for a BNB assessment can now be systematically collected and documented. The necessary conformity tests can also be carried out digitally. The information is stored for scientific purposes and political consultancy.

Wecobis

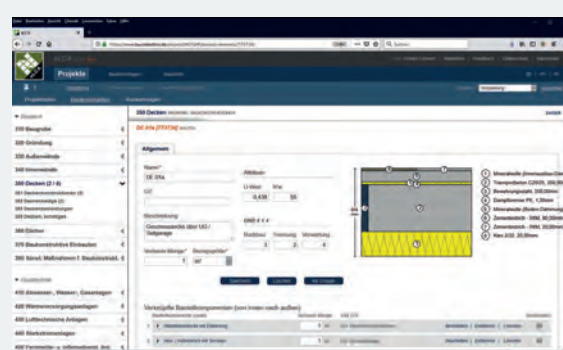
The web-based ecological building material information system (wecobis) provides qualitative information to health-related and environmental issues of building material. The focus is on the avoidance of pollutants and risk substances. The requirements of the BNB system are explicitly taken into account with concrete practical information and tender aids.

Guidelines and Working Aids

Beside the Guideline for Sustainable Building the federal government provides federal guidelines and working aids with various topics.



For more information visit www.nachhaltigesbauen.de



Federal Ministry of the Interior, Building and Community

