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Knowledge Base

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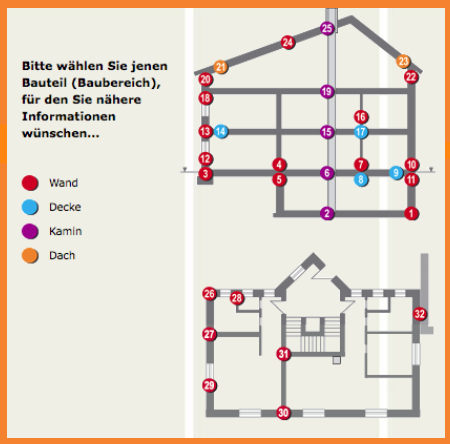
# Planungstool BAU!MASSIV!

BAU!MASSIV! PLANUNGSTOOL




**KEYWORDS:**
- ☐ Building culture
- ☑ Construction
- ☐ Closed loops
- ☐ Governance
- ☑ Planning Tools
- ☐ Ecology
- ☑ Energy efficiency
- ☐ Indicators
- ☐ Mobility
- ☑ Technology transfer

**TARGET GROUP:**
- ☑ Architects
- ☑ Builders
- ☐ Citizens
- ☑ Craftsmen
- ☐ Home Owners
- ☑ Planners
- ☐ Politicians
- ☐ Policy Makers

## Results and outcomes (use cases):

New internet platform "construction! Solid! Planning tool" ("Bau!Massiv!-Planungstool") with over 900 solid construction details.
The planning tool is available on the website www.baumassiv.at.

The initiators "Federal Construction Guild" and "Association ceramic stones" have created a detailed database after extensive development work. This is a valuable aid for practitioners in the daily planning and implementation practice. With a technician-friendly overview of 32 building components the available massive elements and fittings can be found quickly and easily. The building elements and fittings can be sorted by category in the areas of insulation, thermal mass, sound insulation and fire protection. The result is a sheet with a basic illustration of the construction detail, the exemplary constructions and the corresponding building physics characteristics. The result can also be saved and printed as a PDF file.

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## Description:

- The initiative "BAU Massiv" is managed by the Federal Construction Guild and the Association stones ceramics. The planning tool is online since 2011.
- A comprehensive and detailed collection of concrete structures has been applied.
- The details can be accessed component relation.
- The technical elaboration of detail was carried out by architect DI Helmut Schöberl from the Vienna University of Technology, and Univ. Dr. Thomas Bednar, programming of websites was done by the advertising agency Herzog. Technically, the project was supported by Baumeister Ing. John Dinhobl.
- It is a web based free support tool for designers and contractors.

## Relevance for inter-municipal planning (AlpBC):

- The database enables energyefficient and economical design with well proven standard details.
- The database allows for structural damage-free planning / design.
- When creating the database occurred trade-spanning cooperation, which is also necessary in the construction of buildings.
- Knowledge about the effects of thermal bridges / airtightness and structural damage has not yet arrived everywhere in the construction industry and is often still underestimated. But there are now a variety of tested details which exactly avoid these problems. With the spread of this online tool is intended to counteract that.

## Relevance for policy goals (Alpine Space, Europe and the region):

- This online collection of details for the Concrete Structures is continuously updated and revised and represents an innovation in this area.
- Tested and damage-free details represent a good help for the construction industry and avoid costs resulting from structural damage respectively avoid health problems of the residents by building damage.
- The details are based on the regulations in force in Austria and thus represent an important contribution to the national implementation of building regulations.

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