

Österreichische Bauschadens- berichte

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):

With this initial summary of the most frequently occurring structural damages in Austria and the most affected components, with appropriate knowledge an instrument has been created that prevent future errors

and can save costs. The office BAU (WKO) and the Institute for Bauschadensforschung (IBF), locate only in the field of defects and damage repair a total volume of € 180 million per year.

- 1. Austrian building damage report:** statistical summary of the most relevant components and their cause

www.wko.at/Content.Node/branchen/oe/Geschaeftsstelle-Bau/1.-Oesterreichischer-Bauschadensbericht_.pdf

- 2. Austrian building damage report:** Waterproofing in building construction - contact with the soil components

www.wko.at/Content.Node/kampagnen/KC_Bauforschung/2-Oesterreichischer-Bauschadensbericht.pdf

- 3. Austrian building damage report:** Waterproofing in building construction - flat roofs, balconies and terraces

www.wko.at/Content.Node/kampagnen/KC_Bauforschung/3-Oesterreichischen-Bauschadensbericht.pdf

- 4. Austrian building damage report:**

Frontages - Part 1 WDVS frontage:

www.wko.at/Content.Node/kampagnen/KC_Bauforschung/4-Oesterreichischen-Bauschadensbericht-Teil-1.pdf

Frontages – Teil 2 plaster:

www.wko.at/Content.Node/branchen/oe/Geschaeftsstelle-Bau/Teil_2_Putzfassaden_Download.pdf

Description:

In 2002, the "ofi-Institut für Bauschadensforschung (IBF)" was originally established at the initiative of the Federal Guild of building and VAV insurance in cooperation with the Federal Chamber of Architects and Consulting Engineers and the National Guild of plumbing-heating-air cooling. The common objectives of the participating institutions were the requirement of prevent,

detect and correct repair of structural damage in the Austrian construction industry.

Therefore 4 structural damage reports on various topics are published.

The technical elaboration was carried out in cooperation with the National Guild of construction and ofi Institute for Bauschadensforschung.

Relevance for inter-municipal planning (AlpBC):

- The comprehensive data and sample collection allows for future structural damage-free planning / design.
- When creating the structural damage reports a trade-spanning cooperation, which is also necessary in the construction of buildings.
- Knowledge of structural damage and the most affected parts has not arrived everywhere in the building industry and is often underestimated. With this combination awareness could be effected sensitization exactly these repeatedly occurring areas. The online availability should allow an even wider distribution.

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

- This comprehensive data collection represents a significant innovation for Austria and is unique for the Alpine region. The problem areas can certainly be applied from Austria to other countries, as the climatic and structural requirements are often quite similar in the Alps.
- By a corresponding sensitization of the construction workers and an open approach to this problem, a variety of structural damage and thus follow-up costs for the economy can be avoided.
- The reduction of structural damage will ultimately result in a sustained increase in building quality in the Alpine region.