





## Welcome to Becker-Haus!



Markus and Andrea Becker

Ever since my grandfather, Ferdinand Becker, obtained his masters' diploma for carpentry in 1926, the love of wood as a building material has been inherited by our family. We are fascinated by the versatility of this natural product and are committed to developing innovative building solutions that will benefit the environment.

As a family, we have been building houses since 1965. Many things have changed, but the original intention, the vision for our business still exists today: To build architecturally appealing, energy efficient houses, that are flooded with natural light for a healthy living environment.

We build for people. People who are looking for character and a warm, inviting atmosphere. People who believe in creating a healthy living environment. People who want to realise this dream with their own home.

Welcome to the world of Becker-Haus. Discover a new way of life. Discover new possibilities.

We look forward to hearing from you so that we can help you realise your ultimate home – the Becker-Haus.

Markus Becker  
Dipl.-Ing.  
Managing Director

Andrea Becker  
Dipl.-Ing. (FH)  
Architect



## For people who are seeking something special

"Professional expertise and customer empathy are of course fundamental requirements in consulting and supporting future house owners. However, there is also an important initial chemistry between the building company and the customer which influences the success of every single project. Being part of realising the dreams of those who decide on a Becker-Haus is an unceasing source of personal fulfilment for me."



Marcus Hellwig  
Sales manager

People who live in a Becker-Haus are completely satisfied. They trust the solid wood wall which provides them with a comfortable room atmosphere that is sustainable over decades. Thanks to the use of high quality insulation in the walls and roof they can enjoy both cosy winter warmth and comfortably cool rooms in summer.

People who live in a Becker-Haus look ahead. They remain relaxed at media headlines of increasing energy costs because they have invested in exceptional insulation, air-tightness of the building shell, heat recovery and a heating technology which is based on renewable energy sources.

People who live in a Becker-Haus have something special to be proud of: Developed and designed with knowledge and vision, planned and built with love and precision – including details chosen according to their own unique personal preferences to ensure that there really is no place like home.





## Rooms to feel good in

"Your house should suit you. For me as an architect it is very important that rooms create a place of recreation in our hectic world and provide a feeling of comfort and safety."

Andrea Becker  
with daughter Clara



96% of Europeans consider it essential to achieve a bright and light-flooded home. At the same time warmth and security play an important role.

Wood and glass are a perfect combination. Windows and glass façades enable the rooms of your Becker-Haus to be drenched with **sunlight**. The garden becomes a part of the room, creating a sense of fluidity between the inside and outside. Nature is invited in from dawn to dusk whilst the sun's rays vitalize the house.

The modern solid wood walls are the perfect accompaniment to the extensive windows. They provide a feeling of **warmth, security and a healthy room atmosphere**. Design your home with exciting contrasts by choosing conventional wall finishes or the many other colour options. Be a pioneer.

Architecture and design create your home's unique atmosphere. Our solutions are bespoke and will satisfy all the personal needs of future house owners as well as practical requirements such as plot position.





## Generations of quality

"Why do I enjoy my work so much? We build combining the established standards of our ancient craft with innovative applications. For me, the greatest reward is to see our happy customers with their new homes, completely satisfied with my work."



Stefan Ante  
Carpenter

Quality is like an intricate jigsaw puzzle where technical knowledge, practised skills, planning and the careful selection of the best products and materials are the essential pieces.

The Becker-Haus is built using exceptional standards of carpentry and, of course, also complies with the strict German building regulations. Every Becker-Haus is tested for its air-tightness and clearly exceeds the legal requirements.

A Becker-Haus is more than just the sum of its individual parts. The construction is an exactly planned and executed process achieving a harmonization of the many components. We believe that a house is a living thing and that it should be healthy. We ensure this by making a Becker-Haus is energy efficient.

Last, but not least, quality is the result of a qualified and motivated team. We all enjoy our work and rejoice in quality. We build your house with the desire that you would choose us again and again. This is the most important aspect of the Becker-Haus quality.

## Technical Specifications

### Exterior wall

100mm Becker Solid Wood Panel  
Air tight membrane, breathable  
200mm wood fibre insulation  
Façade - customer's choice  
 $u = 0,17 \text{ W/m}^2\text{K}$   
 $\tau = 21,3 \text{ h}$   
TAV = 0,4 %  
Electromagnetic radiation shield up to 99,75 %

### Roof

120mm Becker Solid Wood Panel  
Air tight membrane, breathable  
200mm wood fibre insulation  
Roof covering - customer's choice  
 $\tau = 23,4 \text{ h}$   
TAV = 0,21 %  
Electromagnetic radiation shield up to 99,75 %

### Base plate

Floor covering - customer's choice  
200mm concrete slab  
Pressure-resistant insulation  
Capillary breaking layer  
 $u \leq 0,30 \text{ W/m}^2\text{K}$

### Ceiling

Floor covering - customer's choice  
Floating screed with integrated under floor heating  
Subsonic noise insulation  
Gravel ballasting  
140mm Becker Solid Wood Panel

Blower-Door  $n_{50} \leq 0,50 \text{ h}^{-1}$



Taught by nature –  
builds with nature

"As constructing engineer and construction supervisor I am responsible for the technical quality and smooth production process. Because of the ingenious construction of the wall and roof it is easy for our assemblers to consistently achieve the best construction quality. This never ceases to impress me – at every completed Becker-Haus."

Matthäus Brandl  
Master carpenter



A good house provides **protection** and warmth to its inhabitants, is energy efficient and low maintenance as well as looking beautiful. The construction concept of a Becker-Haus is clear and simple: The wall and roof are divided into four elements, which envelop the interior of the house layer by layer and consequently also protect, insulate, load-bear and inform the design.

On the interior, the solid wood core forms the structure and provides a healthy room atmosphere. This core is encased by an air tight layer and high-quality heat insulation, hermetically sealed and **breathable**. On the exterior, the façade permanently protects the house against the effects of the elements, including wind and rain – and gives your house a distinctive look.

We borrow from **nature's** store when selecting our building products and use wood from renewable domestic forests for the construction and insulation materials. The Becker-Haus is a marriage of materials, design and construction in a simple, yet exact ceremony to guarantee you a cost-effective and energy efficient healthy home that lasts forever.





## House technology and energy

"Saving money does not mean going without. The Becker-Haus technology spoils its inhabitants with a first-class room atmosphere as well as being cost effective and environmentally friendly. This is the future."

Markus Becker  
Managing Director



Energy-efficient living requires more than just good heat insulation. A total concept of "harmonized house technology" is essential. The three principals that form the basis of the Becker-Haus technology are: 1. High comfort living 2. Low energy costs 3. No fossil fuels

The Becker-Haus has established innovative solutions for ventilation, cooling and hot water generation. For many years we have been using a ventilation system to supply the rooms with **fresh air**. This unique technology guarantees the necessary air exchange and ensures first-class air quality throughout the day, every day of the year. An integrated heat recovery system reduces the need for thermal energy.

We choose to protect the world's depleted oil and gas resources by using the renewable energy sources of the sun and the earth to heat the Becker-Haus. Temperature control using a heat pump has long been the **favourite solution** of our Becker-Haus customers. This allows them to have an endless supply of low cost energy. We can also offer fully developed solutions for another alternative, a high-performance heating technology based on wood and solar energy.

# Planning and Design

"Every home owner has got different ideas and wishes. Every plot of land is distinct. Whatever the practical specifications and individual desires, my job is to develop a bespoke solution with you – with creativity and care. This is how we deliver your own unique Becker-Haus."

Andrea Becker  
Architect



The scope for design is unlimited. We take you on a journey to transform a house into your home. With an endless expression of preferences such as how the interior interacts with the exterior, room layouts to suit your lifestyle, the interplay of light and colours – we help you create a living space for your future, full of warmth and joy.

The full resource capability of our architectural department is at your disposal during the planning and construction of your Becker-Haus. Use our knowledge to bring your grand design visions to life with the Becker-Haus.



We are happy to help.



Matthäus Brandl, Markus and Andrea Becker, Marcus Hellwig



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