



Timber as a building material

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04/2013

The wooden house

A variety of different construction systems and "Spoilt for choice" offer the interested "wood Home Builder". As a general rule: planning was consistently thought through and designed on a precise execution, there is no difference to conventional Massivbuild with regard to the life, the quality and the efficiency of wood buildings. To get some-related benefits, such as space saving, efficient components and short construction times as good properties with regard to the living climate, sustainability and the dry construction.

Constructive possibilities

The wood has a long tradition. A far-reaching development began with the possibility of industrial prefabrication. In huge halls, walls are planked, insulated and equipped with tiles and connections. This approach significantly reduced the construction time on site. The elements are assembled under ideal conditions without weather interference. That is the quality.

The wooden construction system and is traditionally determined by PCM. As already in the historic half-timbered building, the system wide in the modern timber construction are determined by design and sustainability. Within this system of timber construction has an extreme flexibility and

variation abundance for the design of facades, roofs, House shapes and material combinations. Starting from three basic systems, a variety of customized solutions have developed through cross-platform combinations.

Construction-physical characteristics

Thermal insulation

Wood is the best heat twilight under the constructive materials and holds the thermal bridge effect small. Thermal insulation is space-saving wall-mounted. With the use of additional insulation for roof and wall components, thermal bridges can be almost completely avoided - depending on the thickness. Therefore, the thickness of load-bearing and stiffening wall construction can be reduced at the same time on the statically necessary. This low-cost wood cross sections can be fitted.

A structurally correct and well executed layered structure of the components is important, however, to prevent ingress of moisture in the construction and the insulation and thus permanently to ensure the good insulation of wooden houses.

Summer heat

In winter, the benefits of a good thermal insulation in the House will be implemented not only during the heating season. Even in the summer heat, well insulated constructions prove that they bring benefits: allowing the warmth in the room in winter,

keeps them in the summer also from the outside. That wooden structures can implement excellent summer heat, prove by the way countless well-executed modern Massivbauten, whose Dachgeschosse can be used even in mid-summer and usually manufactured as conventional, but well insulated wooden construction.

To ensure pleasant temperatures, storage capacity - i.e. using heavy building materials and insulation - is cheap. (By the way this leads to an improvement of the noise protection properties.) Insulation materials made from renewable raw materials (E.g. wood soft fiber, hanf and co) worse although the insulation effect as have their conventional predecessors, but at the same volume significantly more mass, i.e. it remains particularly in the attic in the summer longer cool.

The contribution to the summer heat make however - not only in the construction of wood - exterior shading such as sliding and folding shutters, blinds and shutters. You prevent the penetration of the Sun's rays effectively through Windows and glass in the building and that the main cause for the heating of rooms.

Air tightness

In a wooden house with his typical layered structure, it is of great importance to establish the air tightness. These three levels are important. The

first level is the wind seal, is outside the heat insulation layer and protecting them against loss of heat and thus heat loss. As another layer is the steam brake or lock inside the insulation layer or between one room side arranged insulated installation level and the main insulation. It protects the structure from water vapour diffusion and prevents condensation within the component. The last is also inside the layer of air tightness and protects the components from direct incoming air and the related, much higher risk of condensation. It also prevent draughts in the rooms. Thus consequently prevents the formation of condensation on surfaces and in the component and mould on walls or molds in the field of external corners.

This high-grade workmanship and the air-tight connection to adjacent components is important. To avoid structural damage there must be never leaks, damage or penetrations.

The air-tightness of components and connections cannot be proven in the blower-door test. He has prevailed as a standard method for the measurement of air-tightness and detection of leaks.

Tip: The blower-door test helps to make it future-proof and long lasting. An argument of the quality - also to the Bank.

Sound insulation

The noise control in the House is based less on pure mass of components than rather on intelligent use of the system. The wood construction usual multi-layered component structure and by the acoustic decoupling of the components of sound insulation can be to selectively control and optimize. Thus, you can reliably meet the structural requirements. Wood components protect such as for example the typical wall of wood frame construction system with planking, specialist insulation and the insulation installation level awarded against external noise. From here the wood construction with less thick and less heavy components.



Building with, not against mother nature!

In times of more expensive energy and in the face of rising CO2 emissions ecological building materials to play an increasingly important role. Wood is clear the number 1 when it comes to environmentally friendly building. Because wood comes from renewable resources, and its processing saves energy of lots of-nothing must painstakingly dismantled, far transported, expensive mixed and burned. Also come the wood obtained from which our modern wood building materials are usually made of sustainably managed production. This gives us security, we no longer see nature as this You can regrow. Moreover, the best "side effect," the natural building can offer: its health impact and its good spatial climatic characteristics



Brilliant performance mix for on arrival and expansion

Also wood "from House brings out" an ideal fitness for all Requirements for modern homes with: thermal insulation, moisture resistance, Air-tightness, noise and even fire protection - these tasks can be fulfilled with wooden materials often cheaper than with other Building materials on the market. In addition the flexibility and ease made of wood, properties, that it is clear to the top building material for training and Cultivation projects qualify. Where the static charge concrete and stones, Wood meets the challenge with ease.



I prefer live ´ in nature!

In Germany to build for eternity, sneered at by our neighbours sometimes. A little bit like drupe and would also explain why are modern houses in the "woodland" Germany have achieved relatively late. Were they but spread as not durable enough. This has thoroughly modified. Wood not only from experienced a huge boom, and that Environmental reasons. Many building owners have taken note, that wood is an extremely robust and durable construction material. Our ancestors ruled the dealing with the flexible Confidently and creatively, this talk building material wood over 700 years (and older) Half-timbered houses in our inner cities. The Timber industry of today contribute yours to performance and flexibility to increase of wood in the construction or to expand. Get modern technology with the traditions of the craft together, interiors, facades and even complete arise Solid wooden houses measuring up to eight floors.



Deep impregnation of wood

Prefabricated wooden profiles are suitable as a curtain wall before Woodhouse-and before brick facades - a beautiful, original and cost-effective alternative to traditional methods of External insulation.



Energy-saving and climate protection wood

Wood has naturally excellent thermal insulation properties. A wooden house stores heat in the winter and remains in the summer pleasantly cool. Also the residential climatic advantages are convincing: the massive wood elements take excessive moisture from the air and provide them with excessive dryness in the interior back off.



Wood in interior design: nature and craft create values

Real wood flooring or real wood panels on the walls are value factors for your house and a treat for the senses. The surface temperature of a real wood floor is barefoot and warm, as well as it balances humidity of room air. Distinctive

is the pleasant scent of a new wooden floor goes out. Although he disappears with time, but one remains: be interesting structured, warm and natural appearance.
Building with wood



With System is easier and less expensive

Speed up modern modular system of prefabricated elements the implementation of timber construction projects without compromising by Stability and quality. Example: solid glued-laminated timber elements, the be made from dried pine slats. This system convinced by his short construction time and is largely independent of of the weather. Different providers assume that System for a turn-key house building from one source - from the cheap Sparhaus up to the individually planned architect solid or with a core made of wood.



Better build with construction wood

Excellent strength and lasting sustainability makes construction timber Spruce or pine to an exclusive quality product.

The elements often come from sustainable forestry, are individually tailored and manufactured in quality craftsmen.

Inspire the construction-physical characteristics of this wood Builders and architects alike: high strength, Geradschaftigkeit and excellent dimensional stability. Spruce and pine stands

available is also construction timber produced for manufactured according to list - tailored to your individual building or Expansion projects.



Beauty in every direction

Treated natural or colored fixed and finished profiles at the House are a great alternative to traditional forms of heat-protected Facades. The profiles, you can vertically, horizontally, or even

mount the diagonal. Each variant has your own attraction.



Profile shows environmental awareness

Solid wood profiles particularly well suited to sustainably rehabilitate a facade

and permanently to embellish. You can be easily according to the principle of the connector nut and

Mount the spring on the base plate. This system also has the

Advantage, that captured the natural shrinkage and source movements in the wood be. In addition, the facade is denser and better protects the House wall

Wind and moisture. Also, you have the option, the interstices of this

"" curtain with insulation to fill - the rule

starts the minute their completion!