



domesi[®]
TIMBER CONSTRUCTION ARCHITECTS

Timber construction combines in a unique way architecture, design, energy efficiency and modern construction technology.



Dřevostavby domesi are an exclusive architectural and building firm specialising solely in timber constructions. We offer tailor made services to our clients ranging from the first construction designs to handing over the keys to the completed building. Our priority is to create a contemporary architecture and design in combination with energy efficient and low-energy building. Our houses are built using modern technologies for timber constructions. The top quality workmanship in all the construction work and interior design is matter of fact for us.

We always aim to provide not only high quality architecture and interior design but also high quality implementation of the technologies for timber construction and its specifics. We use an open diffusion system for the external construction frames that assures a long lasting trouble-free functioning of our buildings. We always aspire to be the top experts not only in the aesthetics but also in the technical side of the construction.

Dřevostavby Domesi are the preferred partner for building houses, commercial properties, housing estates, sport facilities, guest houses, small administration properties, extensions and others.





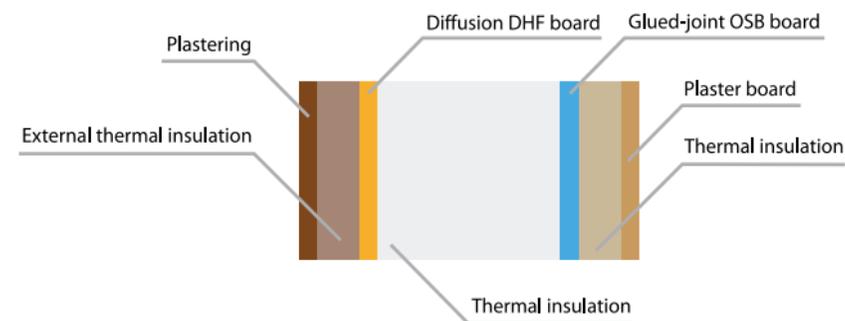


construction

We use the latest structures, systems and materials, which include open diffusion systems that allow a partial vapour diffusion of the buildings instead of the common vapour barriers such as plastic foils. For the supporting structure of the building we select the KVH timber, one of the high quality timbers currently available on the market. The supporting structure is thus formed by well dried and processed timber, which guarantees minimum of further timber working and almost no built-in humidity of the external construction.

energy efficiency

The energy efficiency is our standard approach for contemporary building as much as the high quality architecture. We would never classify our houses as low-energy without consideration for all aspects that have to be achieved in order to fulfil such criteria. Right from the first design of a new construction project we appreciate all such aspects, e.g. accurate disposition and exposure of the building with regards to the cardinal directions, optimal design of thermal insulation and its details, corresponding selection of a heating system, doors and windows. In order to build a strictly low-energy or even passive house it is necessary to take such requirement into consideration at the very beginning of its design. We can generally guarantee that all our houses are at least energy efficient and can provide you with an energy card of your building or house.



| Thermal absorption classification | Thermal absor. coefficient of the building TAC | Actual value |
|-----------------------------------|--|----------------------------------|
| Highly efficient building | | |
| A | TAC ≤ 40% | |
| B | TAC ≤ 60% | |
| C | TAC ≤ 80% | |
| D | TAC ≤ 100% | Efficient - 75% |
| E | TAC ≤ 120% | ČSN 73 0540-2 requirement |
| F | TAC ≤ 150% | |
| G | TAC ≤ 150% | |
| Highly inefficient building | | |

The building fulfils ČSN 73 0540-2 requirements



Projection
Prodesi, v. o. s.

Execution
Domesi, s. r. o.

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