

Our Certificates and Construction Method Overview

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Gablok Construction System and Standard Eurocode 5 (NEN-EN 1995)

Timber frame construction according to DIN 1052 / EN 1995-1-1 | 2010-12 is a method for building houses and buildings. Timber frames are used as the basic structure. This method has several advantages compared to solid construction. In timber frame construction, wooden beams and timber posts (verticals) are used to create a frame for the building. This frame is then complemented with the Gablok system. This construction method is lighter and faster than solid construction, which uses massive concrete or stone walls. Above all, it is more environmentally friendly.

Advantages of timber frame construction

Faster construction: Work progresses faster because the wooden frames and gablok blocks are easier to handle than heavy concrete blocks.

Improved thermal insulation: The cavities in the frame are filled with Gablok EPS insulation material, resulting in better thermal insulation and significant energy cost savings

Sustainability: Wood is a renewable raw material, which means that timber frame construction is more environmentally friendly and sustainable.

Flexibility/Modularity: It is easier to make changes to the building, as the wooden frames can be easily adapted and can even be modularly dismantled thanks to the Gablok system.

Summary:

Timber frame construction according to DIN 1052/ DIN EN 1995-1-1 | 2010-12 is an efficient and sustainable method for erecting buildings. It offers better thermal insulation, faster construction times and flexibility at a lower weight compared to solid construction.

Does Gablok require a certificate?

DIN 1052 and DIN EN 1995-1-1 are standards that define the requirements for the design and construction of timber structures. Generally, individuals working in the construction industry who use or implement timber frame construction methods according to these standards do not require personal certifications.

It is important to check local building regulations and requirements to ensure that all aspects of the construction project comply with applicable standards. This may also include the qualifications and certifications of professionals involved in the project. However, in some cases, it may be necessary for specialized construction professionals or engineers who plan and supervise the construction to provide certificates or qualifications in timber frame construction in accordance with DIN standards.

This depends on local building regulations and the requirements of the construction project. Instead, it is usually the construction projects themselves that must comply with the requirements of the DIN standards. Compliance with these standards is often a prerequisite for official approval of construction projects.

Approval process

Timber frame construction has become an extremely popular building method in recent years, offering numerous advantages in terms of sustainability and energy efficiency, and also scoring points when applying for building permits from municipalities and authorities. A key reason for this is the existence of a standardized DIN standard, which simplifies the planning and construction of timber frame buildings. Using a DIN standard brings clear structure and guidelines to the construction process.

Engineers and architects can rely on proven methods and standards, which significantly simplifies cost calculation and planning. This not only leads to greater efficiency in the planning phase but also contributes to the safety and quality of construction projects. Government agencies and municipalities also benefit from this standard, as it ensures compliance with building regulations and standards.

Timber frame construction has the further advantage of being a more environmentally friendly option compared to other building materials such as concrete or steel. Wood is a renewable resource that is available in sufficient quantities and can be used sustainably if managed properly. This aspect is valued by many municipalities and authorities, as it contributes to achieving sustainability goals and reducing the ecological footprint.

Certifications in Gablok's supply chain

The materials used by Gablok in its production bear various certificates and markings. These quality and environmental labels demonstrate that the building materials used comply with applicable standards and requirements.

CE marking:

The CE marking confirms that the materials used by Gablok comply with European standards and regulations. This indicates that the materials used meet the requirements for construction products

FSC certification:

Gablok ensures that the wood materials used in its production come from sustainably managed forests. This is confirmed by FSC certification, which underlines responsible forest management and the sustainability of the resources.

Fire protection classification:

Depending on the intended use of the materials, Gablok can ensure that they meet the required fire safety standards and certifications. This is crucial for guaranteeing safety in construction projects.

Quality markings:

Gablok can also apply its own quality markings and trademarks to the materials used to emphasize their quality and performance. This demonstrates the company's commitment to high-quality building materials.

Disclaimer

We constantly strive to monitor the supply chain and maintain consistent quality to provide our customers with the best product. However, we cannot offer an unconditional guarantee.