

hybrid construction

Wood and concrete become a multi-storey wood hybrid construction

In wood hybrid construction, the materials wood, concrete and steel are combined with their respective strengths.

Wood as a sustainable building material and supporting element for the building shell dominates in hybrid wood construction.

Concrete as a static element is used for the foundation, stairways, elevator shaft and for concrete ceilings.

This is how concrete and wood constructions for residential buildings and commercial buildings are created in resource-saving multi-storey hybrid wood construction.

Advantages and application of hybrid wood construction
Multi-storey building

Through the use of wood as an essential building material in hybrid wood construction, the building to be built has a very good ecological balance, since wood serves as a CO₂ sink and represents a climate-neutral construction method. In particular, the hybrid wood construction shows the following advantages in construction practice:

- Simplification of the planning process through a uniform construction system.
- Defined structural behavior of individual building materials for BIM application.
- Optimum and economical combination of wood and

concrete in commercial construction.

- Unified cost calculation according to components.
- Planners, architects and timber workers have access to drawings and plans.
- . High level of prefabrication of the components and delivery "just in time" on the site
 - Accelerated construction site process.

The combination of different building materials such as wood and concrete and integral planning creates sustainable, economical and energy-efficient multi-storey residential buildings, office buildings and production buildings.