



LIGNOTON® CEILING SYSTEMS

Attractive wood & concrete hybrid ceilings

swa-systembauteile.at

LIGNOTON® by SWA-Systembauteile GmbH

An AFFILIATE of HASLACHER NORICA TIMBER group

PRODUCT GROUPS

LIGNOTON® ceiling systems



LIGNOTON® pre-fabricated ceiling

The panel pre-fabricated ceiling with an attractive timber ceiling. It was developed for the entire construction sector: from detached family homes to multi-storey buildings.

Advantages:

- Quick and easy to lay
- Economical use from medium to large spans
- Attractive timber ceiling with climatic properties
- Solid construction with optimal sound insulation



LIGNOTON® panelled ceiling

The pre-fabricated panelled ceiling for living spaces significantly accelerates the timber construction process and offers constructional advantages across all areas.

Advantages:

- High degree of pre-fabrication for fast installation
- Ceiling of various qualities
- Sound insulation, fire protection and climate protection
- Perfect for multi-storey wooden structures



LIGNOTON® ribbed ceiling

I-shaped concrete ribbing with a reinforcing lattice girder is integrated into the CLT solid wood panels and supplied to the construction site as a scaffolding-free semi-finished component.

Advantages:

- Dry construction without moisture penetration
- Light weight pre-fabricated system components
- Easy integration into installations of all kinds
- Installation without scaffolding



LIGNOTON® HYBRID CEILING

wood + concrete + steel in combination

This innovative development provides the construction industry with a high load-bearing and slender wood-concrete composite ceiling system with the highest levels of functionality and usability.

The use of industrially manufactured construction components such as solid cross-laminated timber elements and steel girders, combined with shrinking-reduced, force-fit, micro-fibre reinforced concrete linked to the wooden structure, creates an optimised construction process.

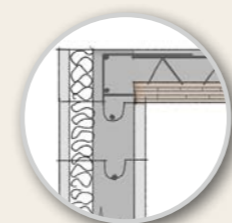
AREAS OF APPLICATION:

- Private residences
- Solid wooden buildings
- Public buildings
- Pre-fabricated homes
- Commercial buildings
- Multi-storey residences made from concrete, brick or wooden structures
- Solid buildings made from brick, concrete, aerated concrete
- Schools, kindergartens, offices
- Buildings with concrete coating

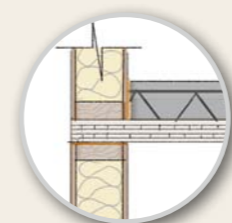
Advantages:

- Solid construction with visible timber surface
- Optimal use of specific material properties
- Exceptional roof construction physics in terms of vibration behaviour, fire protection, smoke control, air and impact noise protection
- High level of system stiffness and strength through concrete in the ceiling structure, reinforced with girders
- Design variations with a very high level of pre-fabrication
- Dry construction installation for rapid construction progress
- Universally applicable for various structures

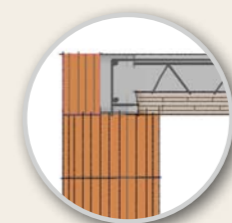
Application in various structures:



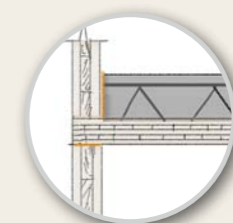
Timber-concrete



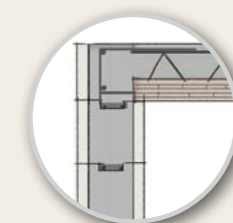
Wood frame construction



Bricks



Solid wood



Concrete coating structure

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