Set up the modules at a centre-centre distance of approx. 80 cm. Then place the 4/6 laths into the cut-outs provided (without screwing).

Lay the floor boards and fix them. With an 18 mm OSB wood-based panel, the construction is an accessible system with a very high load capacity.

Afterwards the construction is filled with the ISOCELL cellulose.

Insulation is always a gain!

There is no other part of the building where so much energy can be saved with so little effort!

With an insulation thickness of 32 cm (on an area of 100 m²) you can save 530 litres of fuel oil per year!

SOLUTION TOP FLOOR

WoodyFIX

THE BASIC INSULATING MODULE FOR THE SIMPLE INSULATION OF THE TOP FLOOR

ISOCELL

REFERENCES

House in Palting

The potential for an energetic improvement of the Moser family's large house in Palting was recognised and tackled.

The WoodyFIX elements were brought into the attic and stuck together and the OSB boards were attached. Afterwards the hollow space was filled with ISOCELL cellulose.

St. Marien elementary school in Weichstetten

The district of St. Marien chose the WoodyFIX system for the insulation of the attic of its elementary school. Apart from the use of an ecological insulating material – St. Marien is a 'climate protection district' – a deciding factor was that the attic remains usable as an accessible area. With the insulation of the top floor the elementary school in St. Marien now saves 42% heating energy.

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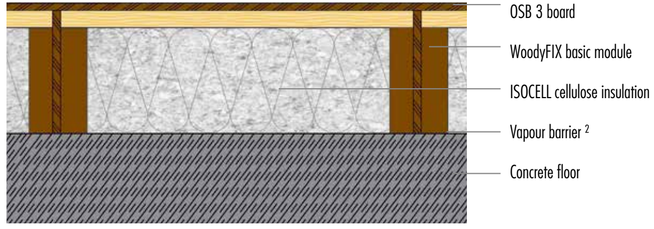
ISOCELL

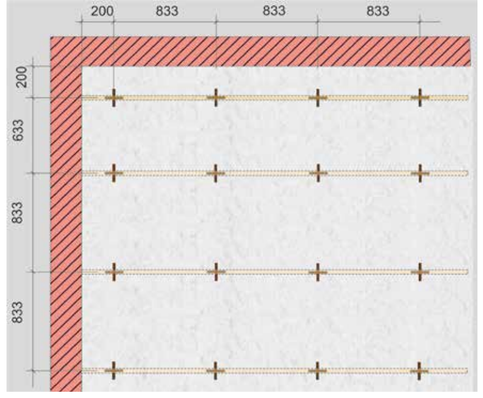
INSULATION WORK IN PRACTICE

The WoodyFix elements are delivered bundled together in packages on pallets. They are handily portioned so that they can be transported up to the attic with no great effort. Simply stick the modules together where you need them.

The insulation of the top floor is legally prescribed in Austria with a thermal insulation value (U value) of at least 0.2 W/m²K and in Germany with 0.24 W/m²K.

SOLUTIONS IN DETAIL, PLAN VIEW AND SECTION

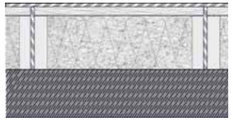




ADVANTAGE

- Top thermal insulation values
- Outstanding protection against heat
- Sustainable recycling product
- No hauling of insulating material
- Fast and clean
- No wastage, no joints
- Attic does not have to be completely cleared out
- Attic remains accessible

DATA FOR THE STRUCTURAL ELEMENT ILLUSTRATED



Building material	Layer thickness (mm)	λ (W/m K)	Fire class (EN)
OSB 3 board	18	0,13	D
WoodyFIX basic module	160	0,13	D
ISOCELL cellulose insulation	160	0,038 0,039 (D)	B-s2,d0
concrete floor	200	2,33	A1

Thickness of insulation material (mm)	Insulation material density (kg/m³)	GWP 1) (kg CO_2 equ./m²) for overall structure	PHI (Phase shift in hours)	U-Value (W / m² K)
220	46	37,84	13,2	0,17
260	48	35,68	14,9	0,145
320	50	32,26	17,3	0,12
360 3)	52	29,7	19,1	0,107
400 3)	52	27,63	20,6	0,097

1) Total GWP (Global Warming Potential)

2) A vapour barrier is not always required; please contact our Technical Department if you have any questions;

3) WoodyFIX is available in the construction thicknesses 220 mm, 260 mm and 320 mm – naturally we also supply other thicknesses on request;