

W

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Concepts Bois Structure, CBS in France, cooperates with the enterprise Concept Bois Technologie, CBT in Switzerland, and they form the CBS-CBT group.

These united engineer companies are specialized in designing innovative timber structures, in timber constructions, and also in new technologies related to wood engineering.

With more than ten international patents and a team of 20 engineers, this group is one of the most specialized timber engineering office, also in the international range. This situation is a result of 15 years of cooperation with the Swiss Federal Institute of Technology, Lausanne (EPFL), and with the ENSTIB, College of wood engineers in Epinal, France.

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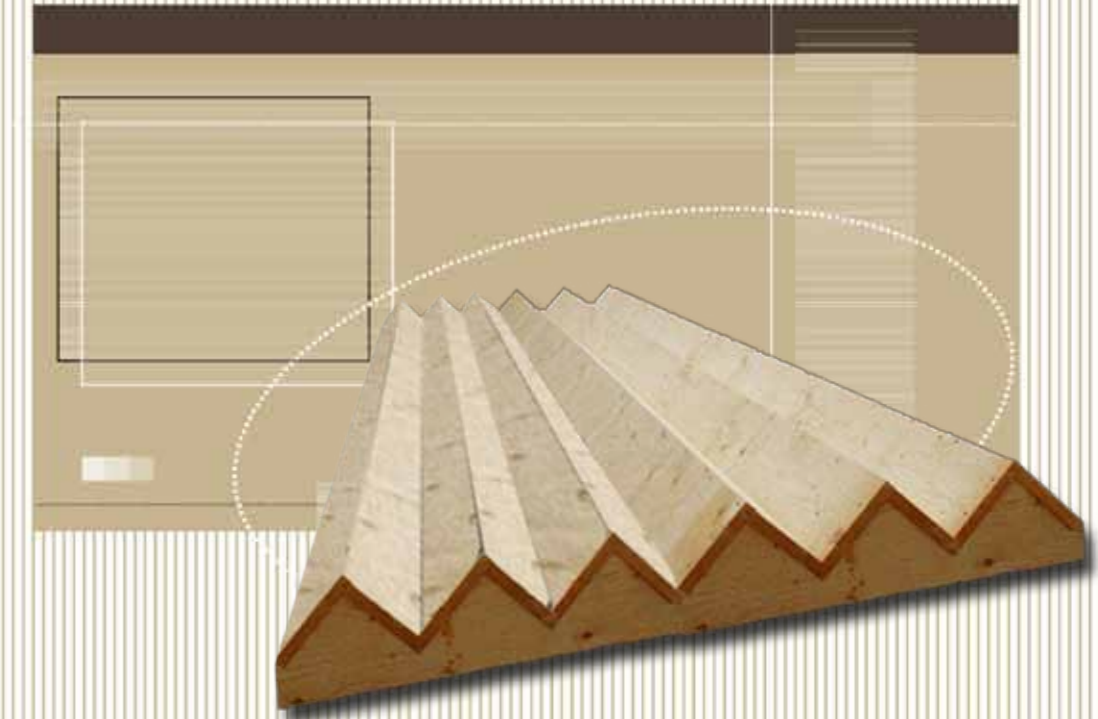
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W



Facade and slab 
wenus



3-6m Wood fits the shape !

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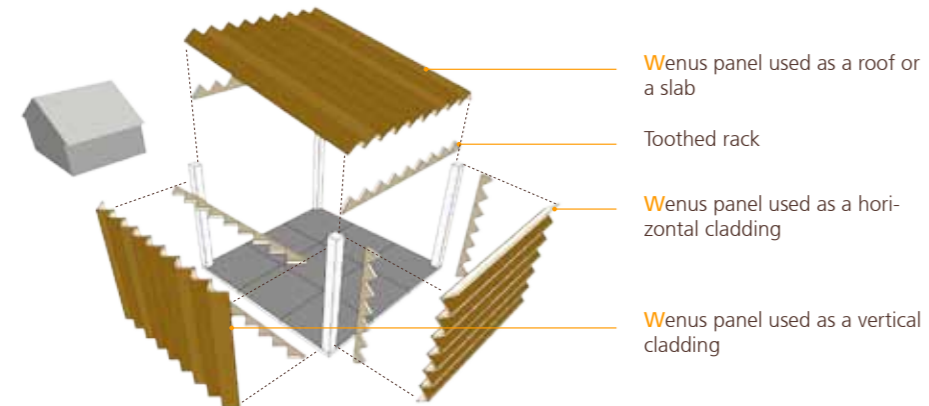


conceptboistechnologie

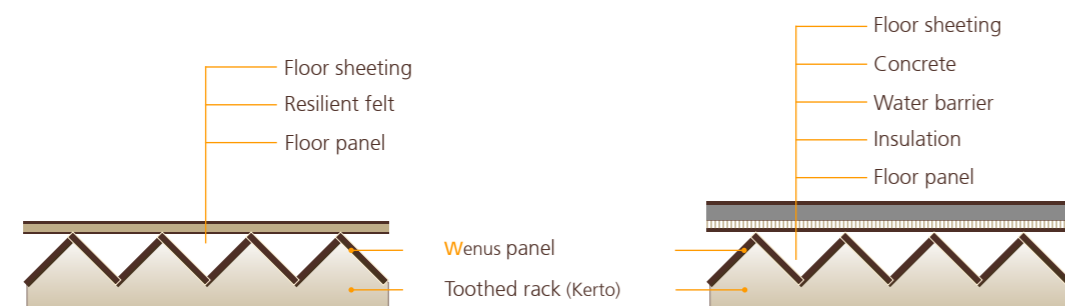
The slab and facade Wenus



This W-shaped panel is formed by boards screwed perpendicular to each other, what increases the second moment of area and consequently the overall strength.



■ Perspective of a Wenus system



■ Typical Wenus cross sections

CHARACTERISTIC	VALUE	UNIT
Clear span	3-6	m
Cross section	35/180 - 60/240	mm
Dead load	30 - 50	kg/m ²
Live load	>= 250	kg/m ²
Timber strength class	C22 - C30	--
Fire resistance	30 - 90	mn
Storage of CO ₂	60 - 100	kg/m ²
Consumption of wood	< 0.10	m ³ /m ²



■ Details

Economical
3 - 6 m



Projects



EXHIBITION 02
Switzerland 2002



OFFICE
France 2000



AGRICULTURAL BUILDING
Switzerland 2003



LIBRARY
France 2003



RESTRUCTURING HOUSE
Italy 2006



AGRICULTURAL BUILDING
Switzerland 2007