

Wood at its best



SWISS KRONO  
**MAGNUMBOARD®** OSB  
CONSTRUCTION SYSTEMS

made from Brandenburg pine

GERMANY

EN



# SWISS KRONO **MAGNUMBOARD®** OSB



**MAGNUMBOARD®** OSB elements are based on SWISS KRONO OSB/4 boards and are third party audited additionally. Because of that these boards have higher characteristic values than standard OSB/4 acc. to EN 300.

- **Manufactured in accordance with ETA-13/0784** (for manufacturing plant, see licensee)
- **Sanded surface**
- **Formaldehyde-free gluing**

MAGNUMBOARD® OSB	Basic	Evolution	Premium
Wall	✓	✓	✓
Ceiling	✓		✓
Roof	✓		✓
Manual joining	✓	✓	
Joining *		(✓)	✓
Project planning			✓
Construction site-ready			✓
External tongue		✓	
Groove		✓	(✓)
Installation threshold		✓	
Easy handling		✓	
Delivery time approx. 14 working days	✓	✓	
Insulation systems		✓	✓
Acoustic systems		✓	✓
Internal coating system **	✓		✓
Fire protection	✓	✓	✓

\* included cable ducts, drilling, rebates, window and door cutouts

\*\* only for continuous elements



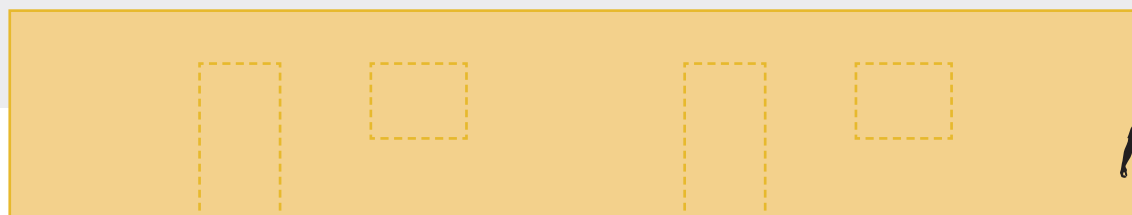
**Up to 12% more living space** compared to wet construction:

	<b>Wall structure U = 0.19W/m²K</b>			
	Lime cement plaster	1.5cm		
	Wood fibre insulation	20cm		
	<b>MAGNUMBOARD® OSB</b>	10cm		
	Interior plaster	1.5cm		
	<b>Total wall thickness</b>	<b>33cm</b>		
	Lime cement plaster	1.5cm		
	Mineral fibre 040	19cm		
	Sand lime bricks 1600	24cm		
	Interior plaster	1.5cm		
	<b>Total wall thickness</b>	<b>46cm</b>		
	Lime cement plaster	1.5cm		
	Mineral fibre 040	16cm		
	Poroton	36.5cm		
	Interior plaster	1.5cm		
	<b>Total wall thickness</b>	<b>55.5cm</b>		



# MAGNUMBOARD® OSB

## // Basic



Size L×H (mm)	Thicknesses (mm)
2,000–15,000 × 2,810*	50**, 75 – 250
2,000–15,000 × 2,510	50**, 75 – 250
2,000–15,000 × 1,400	50**, 75 – 250
2,000–15,000 × 1,250	50**, 75 – 250

\* On request

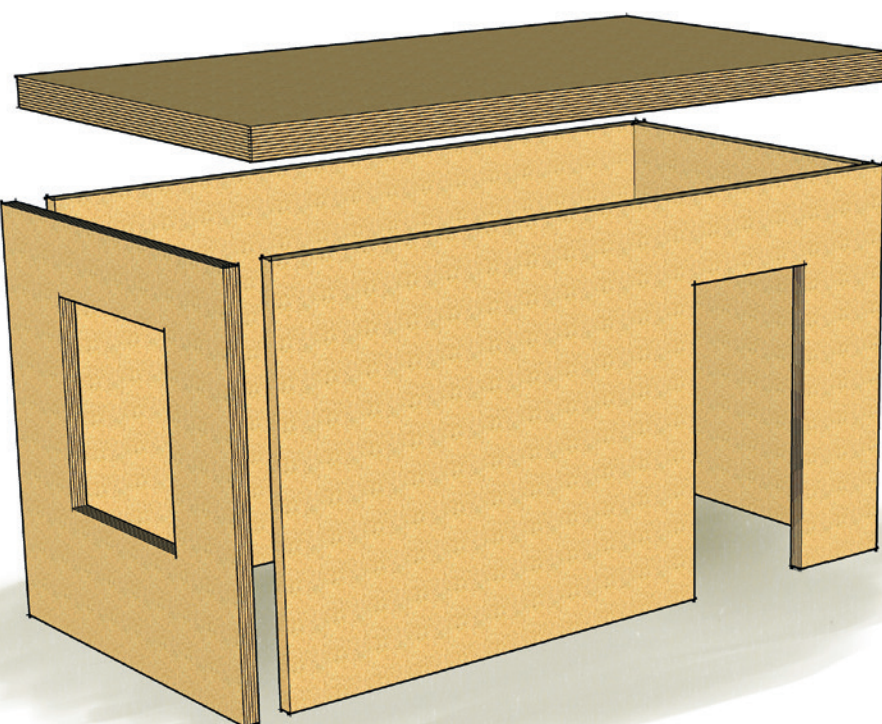
\*\* Do not use for load-bearing purposes

### TRANSPORT

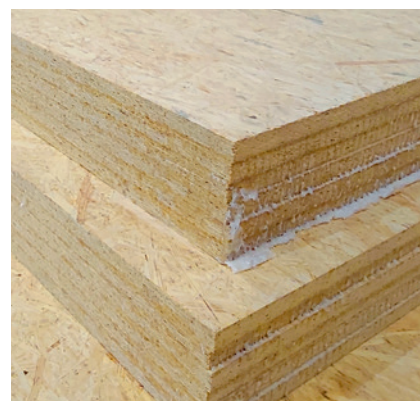
- Arranged individually
- Weight approx. 650kg/m<sup>3</sup>
- Crane required for unloading

### OPTIONAL ACCESSORIES

- SIHGA® hitch system recommended for assembly
- KNAPP® system can be used to connect the elements



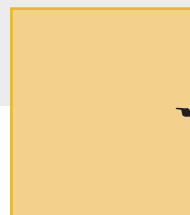
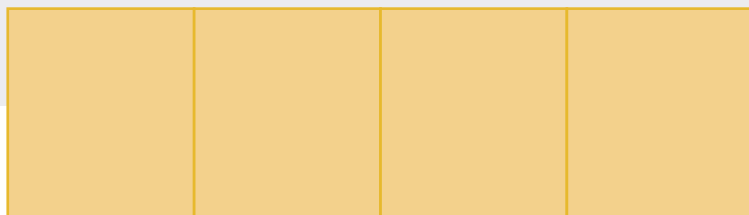
Loading of wall and ceiling elements



Glue residue in the edge area should be accepted

# MAGNUMBOARD® OSB

## // Evolution

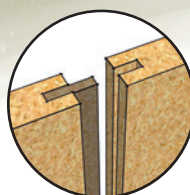
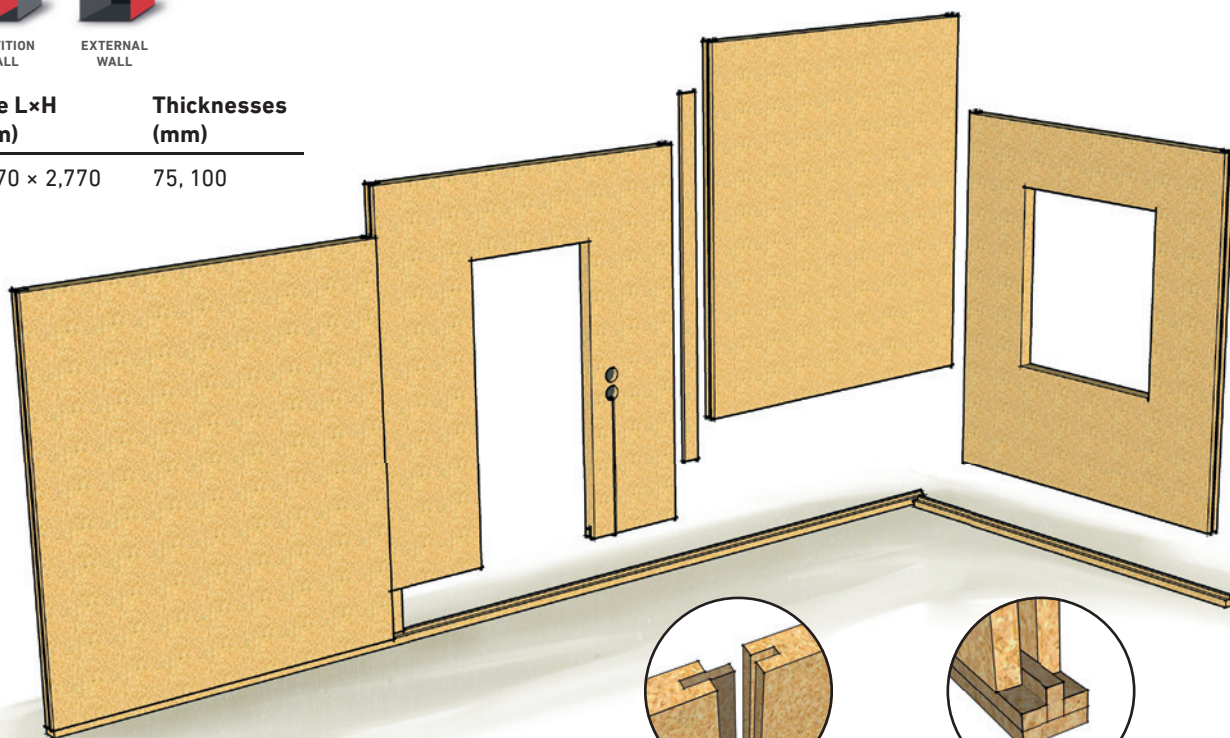


PARTITION  
WALL

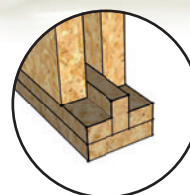


EXTERNAL  
WALL

Size L×H (mm)	Thicknesses (mm)
2,470 × 2,770	75, 100



External tongue



Installation threshold\*

### TRANSPORT

- Packed with a maximum of four elements per pallet
- Weight approx. 650kg/m<sup>3</sup>
- Forklift required for unloading

### OPTIONAL ACCESSORIES

- Installation threshold
- External tongue
- SIHGA® hitch system recommended for assembly
- KNAPP® system can be used to connect the elements



Size L×W×H (mm)
2,700 × 120 × 25

Size L×W×H (mm)
5,000 × 75/100, tongue 25/80

\* Observe DIN 68800 for wood protection

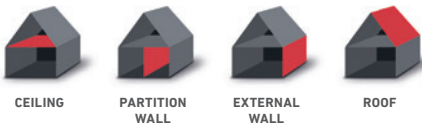
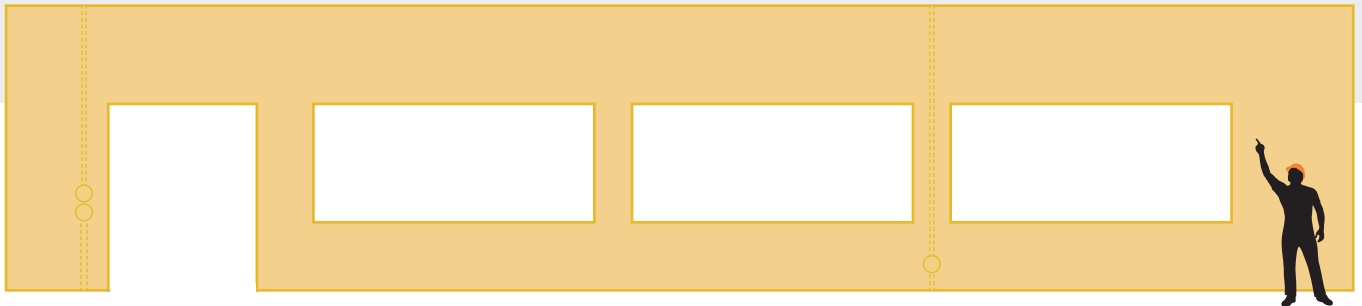


*Added value because of manual joining*



# MAGNUMBOARD® OSB

## // Premium



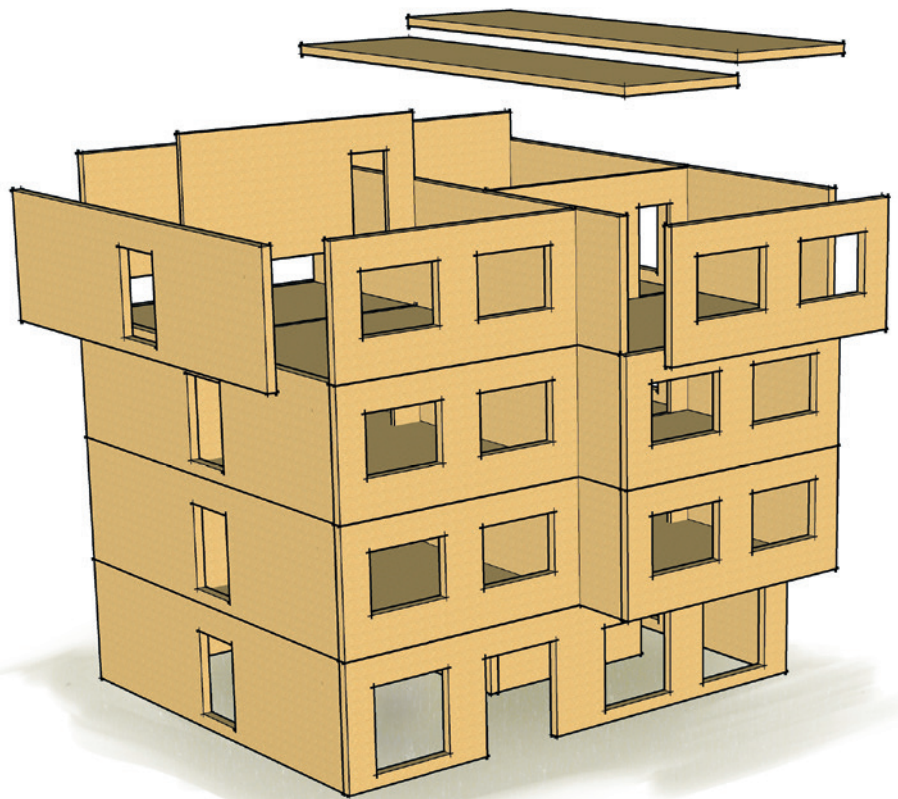
Size LxH (mm)	Thicknesses (mm)
max. 18,000 x 3,800	75 – 250

### TRANSPORT

- Includes attachment points
- Truck is loaded in order to assembly
- Direct delivery to the construction site
- Crane required for unloading

### OPTIONAL ACCESSORIES

- SIHGA® hitch system recommended for assembly
- KNAPP® system can be used to connect the elements



Buildings up to **building class 5** can be built using the SWISS KRONO **MAGNUMBOARD® OSB // Premium** construction system.

### SWISS KRONO TIMBER PLANER



The planning tool for timber construction.

- Filter from 317 components
- Detailed information
- Calculation tools
- Export options

[timberplanner.com](http://timberplanner.com)



Creation of machine data for ceiling and wall joining



Individual planning of cable ducts

## ACTIVE CLIMATE PROTECTION WITH WOOD-BASED MATERIALS

As a construction material, wood converts carbon dioxide naturally, releases oxygen into the air, and binds and stores carbon. We actively contribute towards climate protection by using renewable wood building materials like OSB.

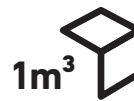
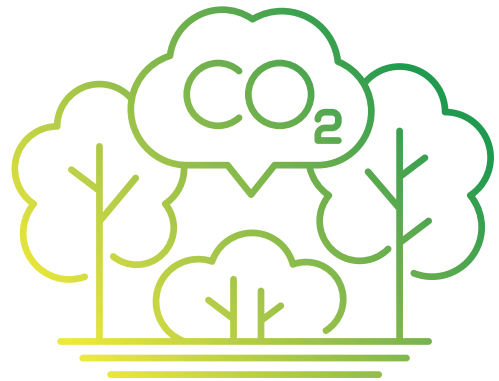
### Every cubic metre of OSB stores around 1 tonne of CO<sub>2</sub>.

Building a detached house with a living space of roughly 130m<sup>2</sup> from approximately 30m<sup>3</sup> of **MAGNUMBOARD®** OSB results in a CO<sub>2</sub> storage capacity of 29 tonnes. This storage capacity can be calculated according to the dry density of the respective type of wood:

Wood consists of approximately 50% carbon (C). When oxidised, this combines with oxygen atoms (O<sub>2</sub>) to form CO<sub>2</sub>. The molar mass ratio of CO<sub>2</sub> to carbon is 3.67 (i.e. 44g/mol to 12g/mol).

### EXAMPLE:

**1m<sup>3</sup> pine wood** has a dry density of 520kg/m<sup>3</sup>. The carbon content is therefore **260kg** (50%). With the conversion factor of **3.67**, you can now calculate the CO<sub>2</sub> storage capacity of 1m<sup>3</sup> of pine:  
**260kg carbon × 3.67 = 954kg CO<sub>2</sub>.**



**MAGNUMBOARD® OSB = 1,000kg**

## WE WOULD BE DELIGHTED TO ADVISE YOU



### Harald Sauter

Master Carpenter  
Head of Application Technology

harald.sauter@swisskrono.com  
T +49 151 11 54 76 16



### Carolin Steigemann

Dipl. Ing. (FH) for Wood Technology  
Application Technology  
Northern Germany

carolin.steigemann@swisskrono.com  
T +49 151 58 25 97 62



### Stefan Gottfried

Dipl. Ing. (FH) for Timber Construction  
and Finishing  
Application Technology and Certification

stefan.gottfried@swisskrono.com  
T +49 172 909 65 86

SWISS KRONO TEX GmbH & Co. KG  
Wittstocker Chaussee 1  
D-16909 Heiligengrabe / Germany

T +49 (0) 33 962 / 69-0

[www.swisskrono.com/de-en](http://www.swisskrono.com/de-en)

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