



MAXIMUM SPACE WITH **MAGNUMBOARD®** OSB

The officially approved SWISS KRONO **MAGNUMBOARD®** OSB massive timber construction system excels in many ways: large-format elements, flexible prefabrication of bespoke layouts without having to follow a prescribed grid, minimal swelling or shrinkage, and good thermal and acoustic insulation.

One other benefit is often overlooked: thanks to thinner walls (as they insulate so well, they don't need to be any thicker), buildings can have more usable space without being any larger. Especially where property prices are high, this can really make a difference.

Far Better than Masonry

Interior and exterior walls only 10cm thick can be made with SWISS KRONO **MAGNUMBOARD®** OSB. Contrast this with at least 17.5 and 24cm, respectively, with masonry. Less additional exterior insulation and finishing is also needed because wood – of which **MAGNUMBOARD®** OSB is made – is inherently more thermally insulating. Masonry also requires a thick coat of interior plaster.

Extrapolating this to an average single-family detached home, **MAGNUMBOARD®** OSB yields another five to eight square metres of usable space per storey.

Along with the extra space gained from leaner interior walls, this is a strong argument in favour of this construction system.



Connection details of lean constructions made of SWISS KRONO **MAGNUMBOARD®** OSB

Photo credits: SWISS KRONO GmbH | www.rosengruen.de

Direct Finishing on the Inside

Another way in which **MAGNUMBOARD®** OSB helps you make the most of the available space is the fact that it can be directly finished on the inside by painting, plastering, papering or tiling without the need to cover it with plasterboard first. This saves space and, especially, time and work.

SWISS KRONO OSB/4 Makes It Possible

MAGNUMBOARD® OSB consists of multiple joined 25mm-thick SWISS KRONO OSB/4 boards. All of them are officially approved by the building authorities in Germany and their technical properties are significantly better than those of conventional OSB/4 boards that merely comply with the specifications of EN 300. The use of boards up to 18 x 2.8m in size can completely eliminate joints across the entire width or length of a house.



Holiday Residence on Sylt

The lovely North Sea island of Sylt has gained an exquisite residential oasis comprising three holiday flats and a permanently occupied apartment. The wish was for as much living space as possible – one of the main reasons for choosing the eco-friendly **MAGNUMBOARD®** OSB timber construction system, which was used to make wall and roof modules. The occupants benefit from excellent attenuation of impact and reflected walking sound. Featuring top-of-the-line furnishings and amenities, a garden and a wellness area, this residence is about as good as it gets for Sylt aficionados.



Thanks to precise prefabrication and large formats that extend across the entire width of a house, SWISS KRONO **MAGNUMBOARD®** OSB gives rise to eco-friendly buildings with a maximum of usable space.

Photo credits: SWISS KRONO GmbH | www.rosengruen.de

Wall Systems with MAGNUMBOARD® OSB

SWISS KRONO has created wall systems that can be flexibly combined to meet special requirements.

Exterior Wall with F30/F90 Fire Protection

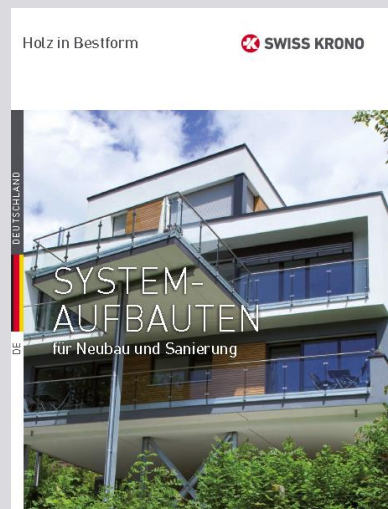
- 100mm of **MAGNUMBOARD® OSB**
- Choice of thermal insulation plus wall or external thermal insulation composite system (ETICS)
- F-30 AbP P-3151/4564-MPA BS
- $R_w = 36$ dB according to expertise no. 17537203 by ift in Rosenheim, Germany
- Plus 2 x 12.5mm GKF F90 on one side as per P-3108/4134-MPA-BS
- $R_w = 40$ dB according to expertise no. 17537203 by ift in Rosenheim, Germany

The suitability of other fire protection constructions can be calculated based on the burn rate acc. to DIN EN 1995-1-2.

You can download a number of descriptions of system modules for interior and exterior walls, including some for meeting greater-than-usual acoustic insulation requirements, [here](#).



Exterior wall with F30 fire protection



You can find more wall systems in our [download section](#) under “System Modules”.

Wood at its best



Contact



Stefan Gottfried
Wood construction engineer

T +49 33962 69 - 751

F +49 33962 69 - 374

stefan.gottfried@swisskrono.com

*SWISS KRONO OSB is a versatile product for cost-effective building. And further processing of it into SWISS KRONO **MAGNUMBOARD®** OSB yields a massive timber construction system with a host of benefits. Among other things, it can be directly plastered or painted indoors. This saves time and materials*



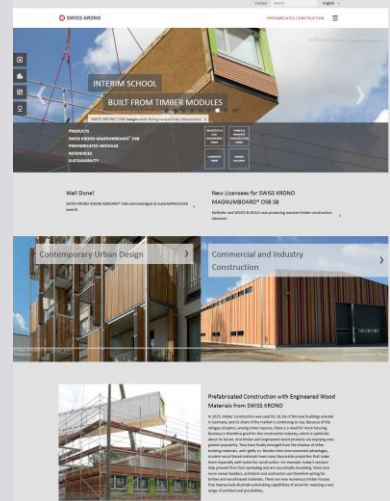
Harald Sauter
Master carpenter

T +49 151 115 47616

F +49 74 3222 031 - 53

harald.sauter@swisskrono.com

Building with prefabricated panels and modules gives owner-builders and architects enormous freedom for turning their creative ideas into reality. Building with wood is also eco-friendly, lets people lead healthier, happier lives and, when using prefabricated modules, is also very fast – what more could you ask for?



More information on **MAGNUMBOARD®** OSB is available [here](#).



Go [here](#) to download a brochure with complete information on SWISS KRONO **LONGBOARD OSB** and **MAGNUMBOARD® OSB**.