

Perfect for the attic



Why is esb board ideally suited for attic renovation?

Constantly high board density of over 620 kg/m³, as well as its single-layer structure, ensure optimal static properties. The bending strength and E-modules are evenly distributed in both directions, allowing for an optimal board yield during cutting and eliminating planning and processing errors since confusion between the main and secondary axis is excluded. This saves time and money. Additionally, the board meets technical criteria for low swelling values and high screw and nail pull-out values. Open and closed wall constructions can be realized due to the board's high level of diffusion openness. Thanks to its drying properties, the board is less susceptible to mold. A particularly easy-to-process tongue and groove milling compensates for minimal swelling. The boards are generally sanded, and after proper testing, they can be coated with adhesives, paints, and varnishes.

These are unique advantages!

#esbReno P5 E1E05, four-sided tongue & groove, format

Cover size = 127,5 x 49,5 cm

Thickness 15 mm (package content 60 pieces, panel weight 6 kg)

Thickness 22 mm (package content 40 pieces, panel weight 9 kg)

esb panels are also available in larger formats and other thicknesses, z. e.g. N+F 258 x 67.5 cm in thicknesses from 12 - 25 mm

The application benefits:

- ✓ Handy format, 127.5 x 49.5 cm (15 & 22 mm)
- ✓ Native spruce wood - naturally low in VOCs
- ✓ Minimum raw density 620 kg/m³
- ✓ Bending strength & modulus of elasticity equal in both directions for optimum panel yield
- ✓ Largely open to diffusion - for open & closed construction methods
- ✓ Processing & recycling-friendly due to gluing without isocyanates
- ✓ Low-splinter processing and sanded surface
- ✓ High screw and nail pull-out value



Comparison of esb and OSB boards Top floor ceiling

...If one evaluates the load-distributing layer itself, it also shows that the OSB board has a significantly higher water content and, in contrast to the esb board, wood-destroying fungi can also grow on it in the worst case. From a building physics point of view, the variant with esb board is therefore more fault-tolerant in the long term and accordingly preferable to OSB board.

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www.elka-holzwerke.de/downloads/esb-vs-osb



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The compact expansion board



NEW!

127,5 x 49,5 cm

in 15 or 22 mm thickness





The multi-talent on board from the German eco-pioneer.

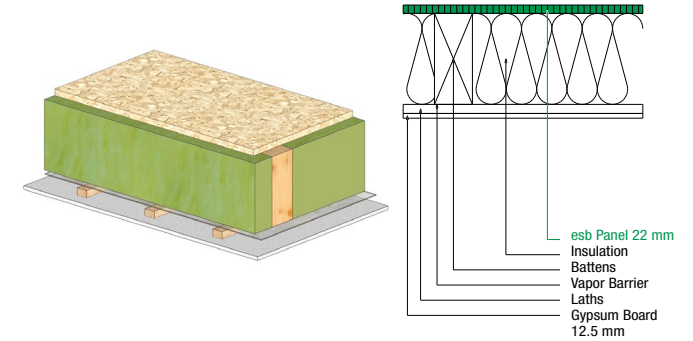
As a result of climate change and the generally heightened environmental awareness, ecological criteria are of crucial importance today. As an ecological pioneer, elka-Holzwerke has been offering premium quality products under their brand for decades.

The low-VOC esb spruce wood panels, free from reclaimed wood, boast a fresh, bright surface appearance and emit low levels of pollutants. Moreover, the use of fresh wood is tool-friendly and cost-effective.

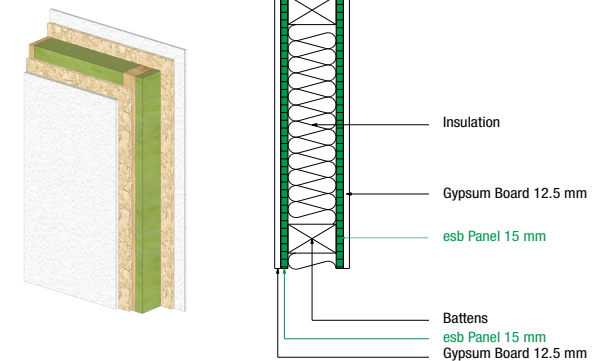
Example Applications:

Interior Ceiling - for unheated space

ESB-TIP!



Interior Wall



The illustrated exemplary constructions for walls, ceilings, and roofs are meant as representations. They do not replace the individual building physics calculations, taking into account all local conditions. The provided examples are for informational purposes and do not constitute any assurance of properties.

Our raw materials

Domestic woods sourced from sustainably managed and local forestry. The fresh wood shavings used are generated in our own sawmill as well as neighboring sawmills: Zero waste - no trash - this is also a popular societal trend! Upon request, we provide PEFC certification.

Our glue

Recyclable and moisture-resistant MUF resin (melamine-urea-formaldehyde resin), with a specially developed process to reduce formaldehyde emissions.

(Formaldehyde content of ≤ 0.05 ppm (E1E05))

