

for drywall & interior builders

The application advantages:



elka strong board

for drywall & interior builders



Domestic spruce wood - naturally low in VOC

Minimum bulk density 620 kg/m³

Bending strength & E-modulus equal in both directions for optimal panel yield

Mostly diffusion-open - suitable for open and closed construction methods

Processing and recycling-friendly due to adhesive without isocyanates

Splinter-free processing and sanded surface

High screw and nail withdrawal resistance



Why is the esb board ideal for drywall and interior construction?

Constant high board density of over 620 kg/m³ and the single-layer construction guarantee optimal static properties. The bending strength and E-modules in both directions in equal parts allow for optimal board yield during cutting, avoiding planning and processing errors as confusion between the main and secondary axes is eliminated. This saves time and money. In addition, the technical criteria of low swelling values and high screw and nail extraction values are present. Open and closed wall constructions can be realized due to the board's high level of diffusion openness. Due to its drying properties, the board is less susceptible to mold. A particularly user-friendly N+F process compensates for minimal swelling through special milling. The boards are generally sanded, allowing for the application of adhesives, paints, and varnishes after prior testing. **These are unique advantages!**



A special esb drywall traverse according to DIN 18183-1 complements the range in the format of 623 x 300 mm with a thickness of 22 mm - the cost-effective alternative to maritime pine. A groove is milled into the

surface, which accommodates the flanging of the CW profile.



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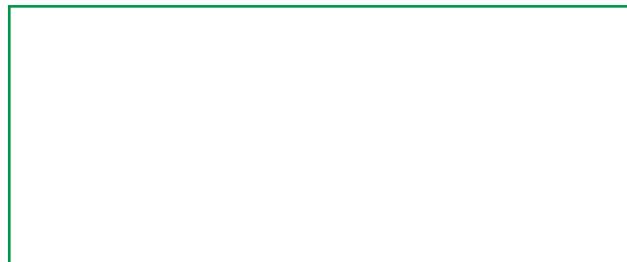
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The multi-talent board from the German eco-pioneer.

As a result of climate change and the generally increased environmental awareness, ecological criteria are of crucial importance today. As an ecological pioneer, elka-Holzwerke have been offering above-average quality standards with their branded products for decades.

The low-VOC esb spruce wood boards without reclaimed wood have a fresh, bright surface appearance and low emissions. The use of fresh wood is also tool-friendly and cost-saving.

Our raw materials

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

Our adhesive

Recycling-friendly and moisture-resistant MUF resin (Melamine-Urea-Formaldehyde resin), with a specially developed process to reduce formaldehyde emissions.

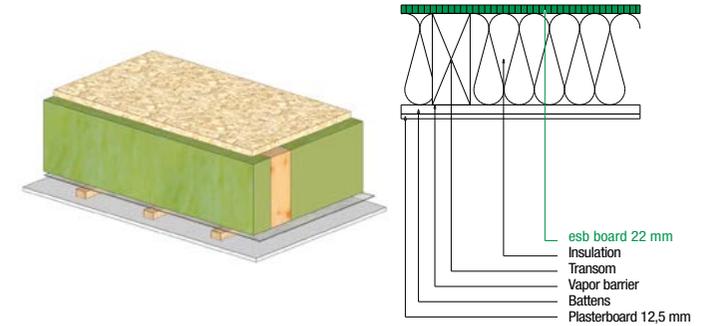
Formaldehyde content of ≤ 0.05 ppm (E1E05)



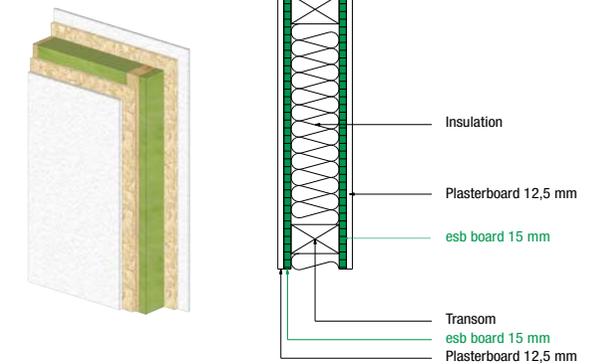
Example applications

Interior ceiling - to unheated space

ESB-HINT!



Interior wall



The shown exemplary superstructures in wall, ceiling and roof are exemplary illustration. They are not a substitute for the physical calculation in each individual case, taking into account all local conditions. The examples given represent information without any guarantee of properties.



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