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Air permeability during test

Not fully airtight?

Not if it is EGGER OSB 4 TOP.



MORE FROM WOOD.



Not everything is fully airtight in timber frame construction.

The quality of OSB boards is essential for an airtight structure in timber frame construction. An article by Holzforschung Austria published in the specialist magazine “Holzbau - die neue quadriga” shows that there are enormous qualitative differences between OSB boards of different manufacturers. As shown in figure 1, using thicker boards doesn't solve the problem.

Therefore, Holzforschung Austria recommends:

“As a rule, carpenters who aren't sure should give preference to OSB manufacturers who can provide reliable data concerning the air permeability of their products.”

Source: Holzbau – die neue quadriga 4/2017, p. 17 ff.

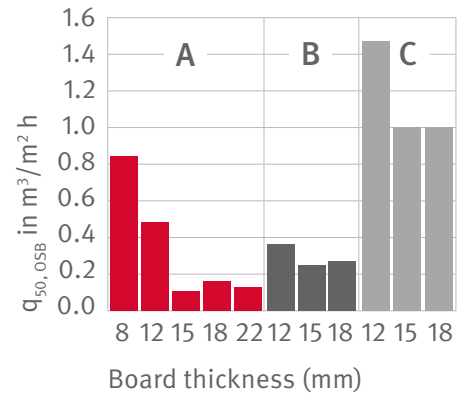


Fig. 1: Air permeability of raw OSB from various manufacturers (A, B, C) at 50 Pa pressure difference

But your buildings are with EGGER OSB 4 TOP.

To build high-quality and energy-efficient timber frame houses, we recommend using our EGGER OSB 4 TOP. We are the only manufacturer that guarantees a defined air tightness and air permeability via the CE Declaration of Performance **from a minimum board thickness of 12 mm.**

Air permeability

- Guaranteed properties due to the CE Declaration of Performance
- Tested according to EN 12114 at $\leq 0.12 \text{ m}^3/\text{m}^2 \text{ h}$ from 12 mm board thickness
- Saves additional materials and reduces operational steps
- Recommendation for use in high-quality timber frame construction



Fig. 2: Air tightness based on the example of a single-family home

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Do you require additional information?
Simply scan here and obtain the complete
CE Declaration of Performance.



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