

FREQUENTLY ASKED QUESTIONS



How thick are the roof panels?

The Epsom salt board has a thickness of 8 mm, and we increase the thickness of the XPS insulation to the millimetre, from 14 mm to whatever is required.

The thickness will be determined by the transmittance that the project management has ordered in your project.

We manufacture the XPS thickness to measure, millimetre by millimetre.

The exception here is our tongue and groove panel, PF, which has a fixed thickness of 66 mm.

What size are the panels?

We have two sizes, 3,000 mm x 1,200 mm, and 2,600 mm x 1,200 mm. They can be placed vertically or horizontally, as they maintain their properties regardless of their position.

Can they be made larger?

No, it is not possible. In addition, their maximum size is also calculated according to the maximum weight that workers can carry according to occupational hazard legislation.

And smaller?

Of course, they cut perfectly, with a clean cut. We recommend a circular saw, although a jigsaw, radial saw, drill with drill bit, crown cutter, etc. can be used. We recommend a Widia disc. The wood disc is also valid, although it blunts at a higher speed, due to the ceramic nature of the material.

Are TABIHAUS® panels supplied tongue and groove?

Our installation system is head-to-head, joined with our TABIHAUS® polymer. If you want tongue and groove panels, the ideal panel is TABIHAUS® PF.

Do you recommend the panel with a single or double-sided board?

If the panels are supported on a continuous surface, even if it is irregular, such as concrete, the ideal panel is the TABIHAUS® 1-sided panel.

If they are supported on profiles or purlins, there are two options:

1.- If the roof is non-walkable: then a single-sided panel shall be installed, with a minimum thickness of 8 mm of salt board and 30 mm of XPS.

2.- If the roof is walkable: then the panel will be installed on both sides.

How are the panels installed?

With frontal screwing and chemical bonding with TABIHAUS® polymer applied with a silicone gun. In other words, chemical bonding and mechanical fixing. Simple and efficient installation.

What is TABIHAUS® Polymer like?

It is a high bond strength polymer, but very elastic, with an elongation at break of 750%.

It is absolutely waterproof and is EI 240 tested.

With service temperatures from -40°C to 90°C, it is also highly resistant to UV rays, weathering and ageing.

Do you supply the accessories?

Of course, we supply everything you need to install our panels. The panel itself, the screws and the polymer.

Can they be supplied in the Magnetic version?

Of course, they can be supplied in the TABIHAUS® Magnetic option.

Is it easy to assemble TABIHAUS®?

Of course, it's one of the basics of the system. But be careful, sometimes too much ease makes mistakes. There are 4 key points in the system that must be checked and executed correctly.

Do expansion joints have to be left?

The linear thermal coefficient of TABIHAUS® is only 0.047%, but it is not zero. The system includes expansion joints where the façade meets the pitched roof and where it meets the parapets.

Is the roof waterproof?

TABIHAUS® panels are absolutely waterproof.

At the joint between panels, a hybrid polymer sealant is applied, guaranteeing waterproofing between panels. However, at this point, the system depends on the workmanship. The absence of polymer at any point on the roof will have dire consequences.

Therefore, a waterproofing system will be applied on top of the TABIHAUS® panels, leaving the TABIHAUS® panels as a second protection.

TABIHAUS® panels act as a roofing slab, providing fire resistance, thermal and acoustic insulation, refractoriness and also providing a second waterproofing barrier.

What type of waterproofing can be applied?

Waterproofing can be done by using bituminous self-adhesive tapes at the joint between panels. It also accepts waterproof membranes, EPDM sheets, butyl strips - remember that the TABIHAUS® system supports the blowtorch -, Epoxy, etc.

What is the weight of the flat roof?

Please read our TABIHAUS® floor slabs document, which contains load bearing tables depending on the expected weight and the distance between profiles. These tables already take into account the safety coefficients for overloads and self-weight.

In terms of snow, as the weight is uniformly distributed, TABIHAUS® panels can withstand up to 8 metres of accumulated snow.

What finish can I do on the roof?

Any type of roof. Any flat roof covering can be used, as well as the installation of battens for pitched roofs.

TABIHAUS® is, in fact, the best roof covering for green roof systems, due to its resistance to compression, its ability to be watered over the panels, and its lack of bacterial proliferation.

Can solar panels or antennas be installed?

Yes, of course. TABIHAUS® panels have a very high load bearing and weight-bearing capacity, and in screwing, both in shear and pull-out.

CONTACT US, WE WILL BE PLEASED TO HELP YOU!