

## FREQUENTLY ASKED QUESTIONS



### **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.

### **How thick are the panels in interior partition walls or party walls?**

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.

In this system, **panels are supplied with salt board on one side**, 2600 x 1200 x 8 mm of salt board and 14 mm of XPS, **tongue and groove 22 mm**. This tongue and groove joint facilitates installation in continuous panels and in corners.

However, if the project management considers it necessary, other XPS thicknesses can be supplied and worked with, as required, and configurations can be adapted between 14 mm and 120 mm of XPS thickness provided by the panel. In this case, the displacement between the panel and the XPS would be the thickness of the resulting panel, in order to facilitate the installation of the panels.

The panels can be placed both horizontally and vertically, and allows the combination of both positions, while maintaining their properties.

### **How are they installed?**

They will be installed on a metal structure (or wood) usual in plasterboard systems (PYL profiles), allowing for different thicknesses of uprights, 48 mm, 70, 90, etc. The layout of the profiles shall be such that the **distance of the vertical uprights is at least 600 mm**, which provides a 3-line fixing in the 1200 mm length of the panel, dimension 0, dimension 600 mm, and dimension 1200 mm.

The grid must be at least 4 cm wide, leaving 2 cm for each panel to be screwed at least 1 cm away from the edge.

The panels shall **always** be installed with the **XPS in contact with the profiles**. Previously, a bead of TABIHAUS® polymer must be applied to the supporting structure for its chemical fixation and for sealing the wall. Once the installation has been completed, **TABIHAUS® bonding compound** should be applied to cover the screw heads and the **joints between panels**.

Subsequently, it should be taped, TABIHAUS® mass should be applied and sanded to achieve perfect planimetry.

### **Are they supplied bevelled?**

No, not at all. With TABIHAUS® clamping compound and its subsequent sanding, the planimetry is extraordinary, as the panel is sanded at the same time as a compound that is of the same nature as the panel.

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### **Which screws are suitable?**

It is the usual plasterboard system, with trumpet head and phosphated. The difference is that they are longer, as the thickness of our panel is 22 mm.

They can be supplied in loose units in boxes or in strips, for automatic loading guns.

### **Which screwdriver is recommended?**

As with plasterboard systems, with a clutch for pressure control when screwing. The screw head should be very slightly recessed in the panel.

### **Can the panels 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.

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

Single-sided. The XPS in contact with the grid, where, thanks to the pre-application of TABIHAUS® polymer, they make a sealed wall.

### **How are the panels installed?**

With frontal screwing and chemical bonding with TABIHAUS® polymer, applied with a 600 ml silicone gun. That is, chemical bonding and mechanical fixing.

The polymer is applied in two areas:

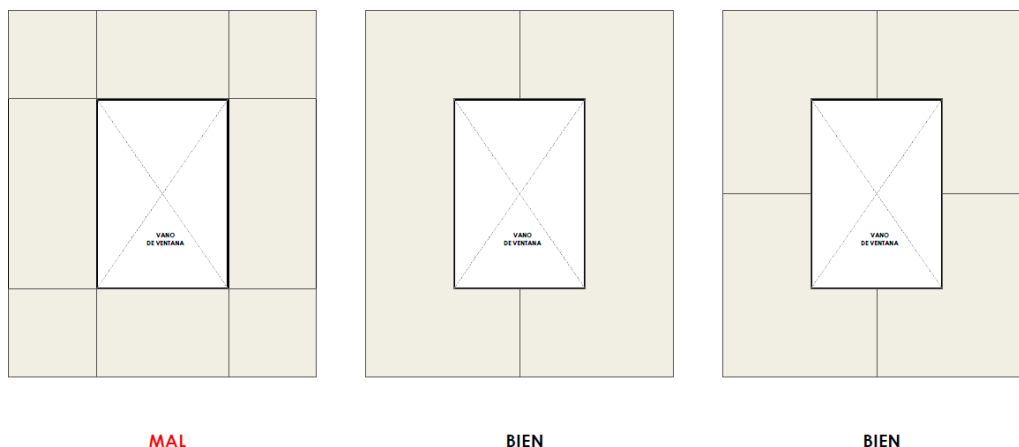
- 1.- A continuous bead, never in spots, on the profile where the panels will be screwed.
- 2.- In the corner produced in the tongue and groove joint between the panel and XPS, also with a continuous bead, sealing the joint between the two. If any polymer protrudes, remove it immediately with a damp cloth, and reduce the amount when installing the next panel.

### **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.

## Any other considerations?

Yes, the correct positioning of the panels is **FUNDAMENTAL** to avoid cracks in door and window openings, as well as in plasterboard systems.



## 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.

## Are they suitable for a false ceiling?

Of course, they are excellent, due to their rigidity and their special lightness of only 7 Kg/m<sup>2</sup>. It will provide the ceiling with all the properties of TABIHAUS®, fire resistance, thermal and acoustic insulation, waterproofing, etc.

## Is it necessary to leave expansion joints?

The linear thermal coefficient of TABIHAUS® is only 0.047%, but it is not zero. The system includes expansion joints at the start of the slab and at the point where it meets the upper slab.

If they are external party walls, the expansion joints are those described in the façade section.

## What kind of finish can I do?

Any finish, whether it be paint, wallpaper, mortar, tiling, etc. And with our TABIHAUS® Magnetic system, make the coating without the need for cement glue, 100% dry construction.

## How high can they be installed?

It is a material with Euroclass A1, s1, d0, so height is not a problem for TABIHAUS®.

**CONTACT US, WE WILL BE PLEASED TO HELP YOU!**