

Information note nr. 2

The influence of PUR/PIR core sandwich panel assembly on post-assembly problems

Correct assembly of polyurethane core sandwich panels is crucial to ensure panel durability and quality. Among the most important points to consider are:

Fasteners

It is important to use movable anchors, sufficiently spaced fasteners, etc., to avoid transverse warping after assembly.

Modifications and alterations to the panel

Sandwich panels are a finished product that should not be modified. Any work with band saws or jigsaws to open doors or windows or to modify the length and/or shape of the panel creates a high risk of compromising the panel's integrity.

Bending

Excessive bending of the panel should be avoided at all times.

Pedestrian traffic

Pedestrian traffic on top of the panel should be avoided during assembly and throughout the panel's lifespan.

The last two points become more important in lower-density panels, as they are less resistant to loads. Bending or stress in the panel can cause the joints between the sheet and the foam core to rupture, which can lead to the appearance of bubbles on both the outer and inner faces.

These technical considerations are valid for both steel sheet panels and polyester-coated panels, the latter being more sensitive and therefore requiring more careful and well-considered assembly.