HIDDEN FASTENING SYSTEM WITH ADHESIVE FOR P500 AND P700

BASIC PRINCIPLES FOR INSTALLING P500 and P700

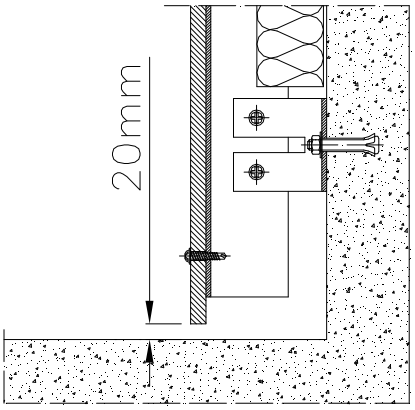
1. Ventilated chamber

Parklex 500 panels must be separated from the wall face by battens that have been installed vertically, forming a chamber measuring at least 20mm.

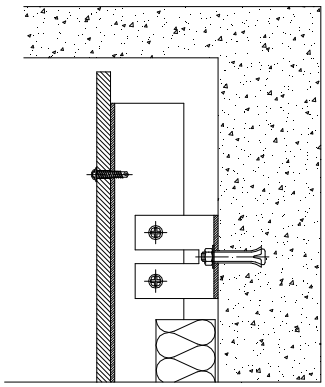
In the event that some type of insulation will be installed, a double batten structure or a single batten structure with adjustable support bases must be installed, ensuring that the chamber is maintained.

To permit air circulation in the ventilated chamber, the air intake and output must be adequately proportioned.

1.1. Base ventilation



1.2. Crown ventilation

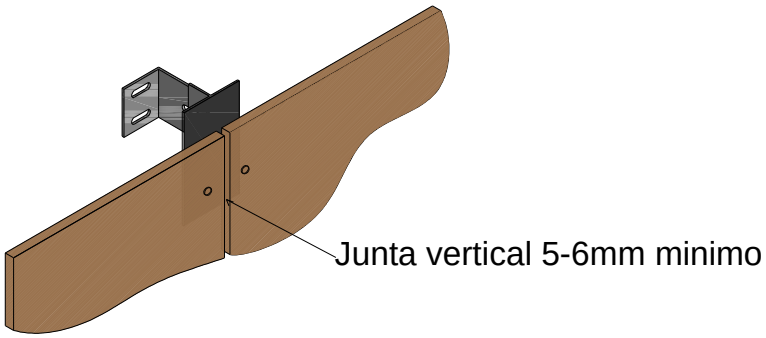


2. Expansion joints

It is necessary to leave peripheral expansion joints between the panels and in places where they meet with other faces so they may absorb any expansion movements.

The thickness of these joints depends on the panel dimensions and aesthetics.

As an example, for panels measuring 2.44 x 1.22 m, these joints must be at least 5 or 6mm, although it is recommended to leave 10mm joints whenever possible.



It is recommended not to seal the joints with putty, since this may lead to an accumulation of dirt around the edges of the panels.

3. Panel movement

Parklex panels are made from natural wood.
Wood is a living material that undergoes dimensional changes due to changes in humidity and temperature.
Therefore, it is important for the fasteners to allow panel movement, permitting their free expansion and contraction.

4. Choosing panel thickness

The panel thickness is selected according to the face being covered (walls, false ceilings and outdoor awnings).
The thickness of the panel influences the distance between the support battens; the greater the thickness, the greater the distance between the battens.

5. Substructure: wood or metal

To facilitate air circulation behind the panels, a substructure of vertical battens must be installed.

The substructure must be proportioned in such a way that it meets all the stationary requirements. Likewise, keep in mind the inclination of the façade, the fastening system chosen, the thickness and the dimensions of the Parklex panel being installed. In addition, it must be well protected against corrosion and rotting, regardless of the material or system used.

5.1. Type of batten

- Wood substructure:
  When installing interior panels, wood battens are most commonly used.

- Metal substructure:
  As with façade panels, metal battens, such as those made from galvanized steel or aluminium may be used.

6. Three support points

Parklex 500 and Parklex 700 panels must be supported by at least three points of support.

The distances between support points depend on the type of fasteners and the thickness of the material. The instructions regarding distances that appear in the chapter “Installation types” may be followed, as long as there are at least three points of support in each direction.

HIDDEN FASTENING SYSTEM WITH ADHESIVE

To attach interior panels with adhesive, almost the same procedure is used as for fastening Parklex Facade panel, developed by the SIMON/BOSTIK company. If gluing Parklex 500, the back side must be gently sanded until the shine is removed.
Due to the continuous variations these companies have in their product designs, as well as the procedures used to apply them, we recommend that if you are interested in using this fastening system, you should contact the adhesive manufacturers or Composites Gurea to obtain the application procedures.

This system is recommended only for panels with a thickness of 8mm or greater.

Once Parklex is installed using this system and until the adhesive polymerizes, we recommend placing clamps straps around the perimeter of the pieces (every 200-300mm, especially at the corners), trying to keep them from applying pressure beyond the thickness of the double-sided tape.

In installations using adhesive, the distances between battens must be reduced as compared to those using screws or rivets, in order to ensure good adhesive polymerization.

Thickness	Distance
8 mm.	400 mm.
≥11 mm.	600 mm.