

## RECEPTION, STORAGE AND HANDLING OF EXTERIOR DOORS

Check the doors as soon as the door shipment arrives.

- Check that the number of packages corresponds to that entered in the consignment note.
- Check that the load and packages look clean and intact and that the glasses are intact.
- Record any damage, deficiencies and deviations found in the driver's consignment note.
- Defective or damaged product must not be installed without the permission of the manufacturer.

Comments must be made within seven (7) days to [palaute@piklas.fi](mailto:palaute@piklas.fi).

In case of transport damage, see the instructions in the consignment note.

## PROTECTION AND STORAGE

Exterior doors are delivered in transport packages. The package only provides protection during transport. Doors should be moved to a dry area, such as storage or a sufficiently sheltered canopy.

- Store the packages on a dry surface and protected from weather, not on the ground.
- Open the packages from the top so that they are ventilated and no humidity accumulates inside the package.
- Products must be stored upright and supported so that they cannot fall in strong winds.

## HUMIDITY DURING CONSTRUCTION

For example, use a condensing dryer to ensure that there is sufficient elimination of humidity during construction. As a general rule, it is not recommended to install the doors until the casting, masonry, plastering and levelling work has been carried out and the humidity caused by them has been removed.

### **PLEASE NOTE! Protection during construction; do not tape the door surface!**

If the door needs protection during construction, be careful not to put tape on the paint surface of the doors. Adhesives for tapes and labels can be so strong that the paint surface on the door can be damaged.

## EXTERIOR DOOR INSTALLATION INSTRUCTIONS

- Defective or damaged product must not be installed without the permission of the manufacturer.
- Doors must not be used as load-bearing structures.
- Product warranty does not cover damage caused by incorrect conditions or incorrect installation.
- Make sure that the opening has installation clearance and that the wall structure is suitable and dry for installation.

- Installation must be carried out carefully to ensure functionality and thermal insulation.
- There should be a sprocket or canopy above the door to protect the door from rain and snow
- Jambs and dampers must be installed in such a way that they do not divert water into the structures

#### **Accessories:**

- 16-20 of wood wedges (12 wedge points with wedges on both sides of the door)
- required number of frame screws (e.g. 6x80mm), 2 pcs of wood screws (e.g. 6x100mm), cover plugs for frame mounting holes in aluminium patio doors
- humidity insulation between concrete and frame (e.g. bitumen strip)
- insulating wool or urethane foam as a seal between the door and the wall

## **EXTERIOR DOOR INSTALLATION INSTRUCTIONS**

(HDF- & aluminium doors)

Watch the installation video [piklas.fi](http://piklas.fi)

1. Check that the base is horizontal. Install, for example, a bitumen strip below the doorstep as cold bridge break and humidity insulation. Remove the door leaf from the frame. Place the frame below the doorstep horizontally directly on top of the installed mounting pieces and wedge on the inside and outside of the door as shown in the picture on next page.
2. Install the frame hinge side using a level vertically. Leave a 10-15mm insulation or caulking gap between the frame and the wall structure. Frame mounting holes are located under the frame seal in HDF doors. Place four pairs of wedges next to the mounting screws and tighten the screws. Use e.g. 6x80mm frame screws. Replace one mounting screw on the frame in two of the top-most hinge leaves into a long wood screw (e.g. 6x100mm) to attach the frame through the hinge to the wall structure. This way you make sure that the heavy door leaf does not sink.
3. Lift the door leaf into place.
4. Secure the lock side of the frame with four pairs of wedges. Check the cross dimension and internal widths from the top, middle and bottom
5. Check the running clearance of the frame and door leaf, approx. 3mm (hinge side, lock side, top and bottom).
6. If necessary, adjust the hinges and the lock strike plate to improve tightness. Adjust the strike plate so that the front edges of the door leaf and frame are at the same level. Check that the door opens and closes easily.
7. Insulate the frame and the wall structure with insulating wool or urethane foam. Place stone wool strip or equivalent insulating material on the lock strike plate level. Be careful with urethane foam: too much insulation can swell the frame, but too little insulation impairs water and air tightness. Be sure to also isolate below the doorstep.
8. Door surface fittings should be installed in place during door installation. If there are no surface fittings installed, humidity may enter through the surface fitting openings in and cause humidity damage to the door.

