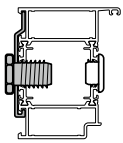


### General information about completion of delivery:

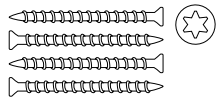
- If possible, doors arrive fully assembled with installed glass from the factory. If the product arrives unglazed, follow the glass unit installation manual.
- Holes for installation will be predrilled and adjufixes attached onto the frame.
- Preparation and insulation of openings of the building should be defined before installation works. It is the responsibility of the customer, architect and dealer.

## Installation material



### 1. Adjufix

The required quantity is already attached to the frame.



### 2. Screws

For fastening brackets to the wall. Not included in delivery.



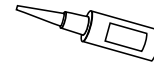
### 3. Caps

For covering predrilled holes. Included in delivery.



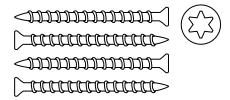
### 4. Wedges

Use stable, waterproof material, e.g. plastic. Not included in delivery.



### 5. Joint glue, e.g. "Viscoseal 6958R"

Not included in delivery.



### 6. Screws for threshold fastening.

Stainless steel, A2  
M5, 100 mm

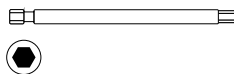
The required quantity is included in delivery.

## Installation tools

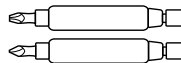
Not included in delivery.



### 1. Cordless screwdriver



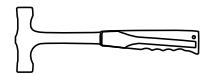
### 2. Hexagonal screwdriver bit



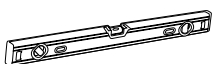
### 3. Magnetic bits



### 4. Drills



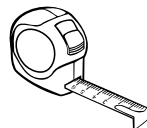
### 5. Light hammer



### 6. Spirit level



### 7. Set square

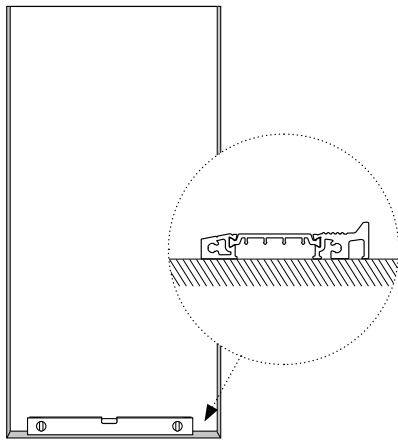


### 8. Tape measure

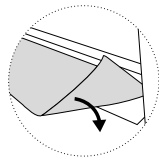
### Step 1

#### Door installation to the opening

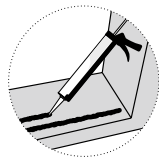
If possible, depending on the situation on site, while fixing the frame, the opened sash can be supported with no need to remove it from the frame. If there is no support possibility, please follow sash removal instruction.



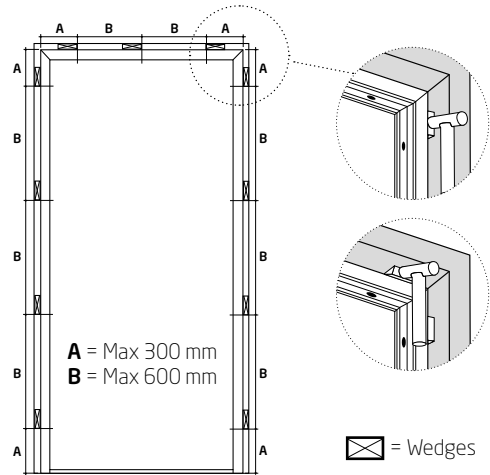
**Step 1.1** Prepare the opening for installation. The entire base under the threshold must be flat and level.



If the base is of concrete, a DPC must be placed under the whole length of the threshold.



Use a hardening mastic in two runs between the threshold and the base over the whole length.

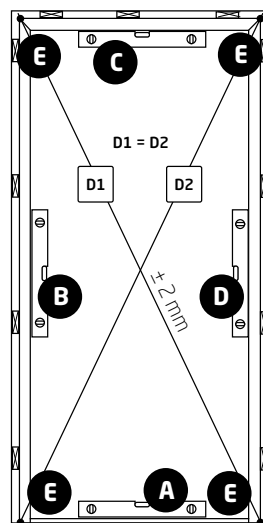


**Step 1.2** Fix the frame with wedges.

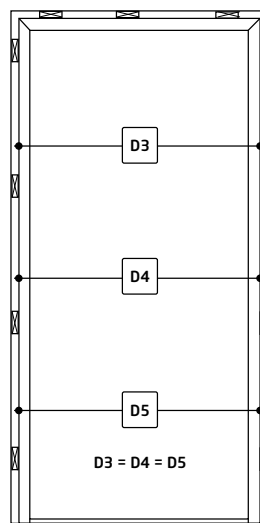
The wedges must be positioned next to each fixing point on the window.

**NB!** For the gap between the frame and the wall it is recommended to leave: 15-20 mm

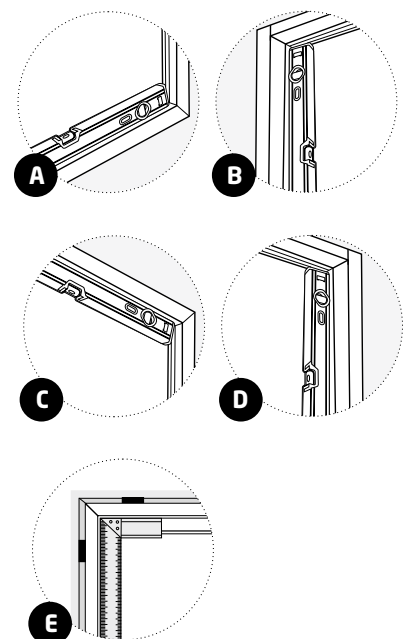
**Step 1.3** Ensure horizontal and vertical levelling of the frame.



The frame jambs must be square and plumb in both directions and the diagonals (D1 and D2) should be identical.



Check that the rebate widths are equal across the hinge and locking points (D3, D4 and D5).

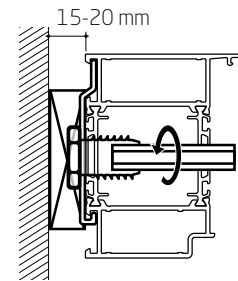
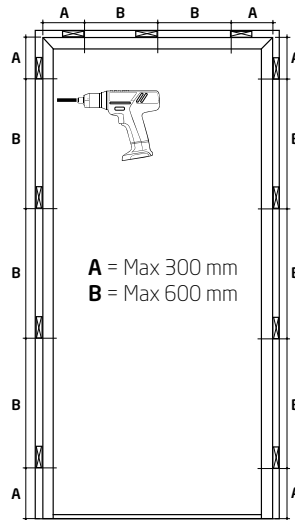


**Step 1.4** Fix the frame with adjufix sleeves into the opening. Open the sash to 90 degrees and support it while fixing the frame into the opening with the help of the hexagonal screwdriver bit. Start from the hinges side!

**NB!** It is not necessary to fasten top frame if the width is under 1200 mm.

**Attention!**

Always use wedges or setting blocks between the door frame and wall regardless of the chosen installation alternative.



## Step 2

### Fasten the door to the wall

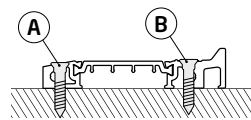
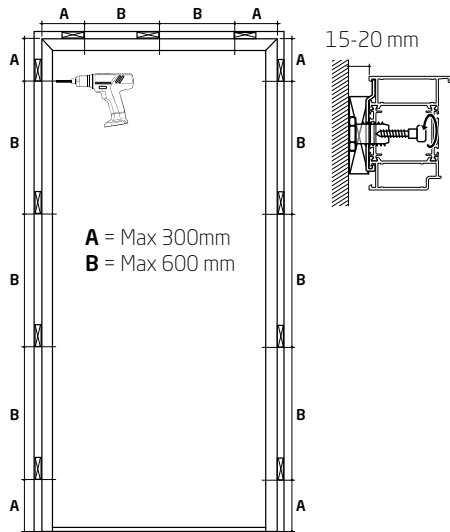
**Step 2.1** Screw bolts through the adjufix sleeves on the frame. The recommended distance and depth of drilling according to the type of the wall is shown in the scheme on the right. Cover predrilled holes with caps for finishing.

**Step 2.2** Fasten the threshold. Screw bolts through predrilled holes on the threshold (8 mm holes will be predrilled in the factory) according to the scheme. Seal the screws with joint glue, eg. "Viscoseal 6958R".

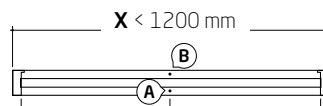
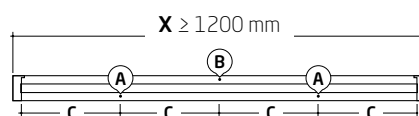
**NB!** It is not necessary to fasten top frame if width is under 1200 mm

**Step 2.3** Ensure horizontal and vertical leveling of the frame. Follow STEP 1.3 instructions.

**Step 2.4** Install the sash back to the frame if it was removed before installation. Follow the sash installation instruction.



C = 300 mm



Depth of drilling according to material:

100|90|80|70|60|50|40|30| mm

Material	Depth of drilling (mm)
Concrete (30 mm)	30
Limestone bricks (40 mm)	40
Solide bricks (40 mm)	40
Light Concrete (50 mm)	50
Wood (50 mm)	50
Porous Concrete (60 mm)	60
Hole Bricks (100 mm)	100

It is not recommended to fasten doors into a wooden carcass due to the high risk of wood deformation due to environmental impact (cold/heat)

**Step 2.5** Adjust tightness of the sash:

#### Check door sash and frame

Make sure the door sash and frame are flush with each other.

The distance should be  $5 \pm 1/2$  mm on all edges of the door sash.

Note that the distance to the floor varies depending on the type of threshold.

Consult the production drawing for the project in question.

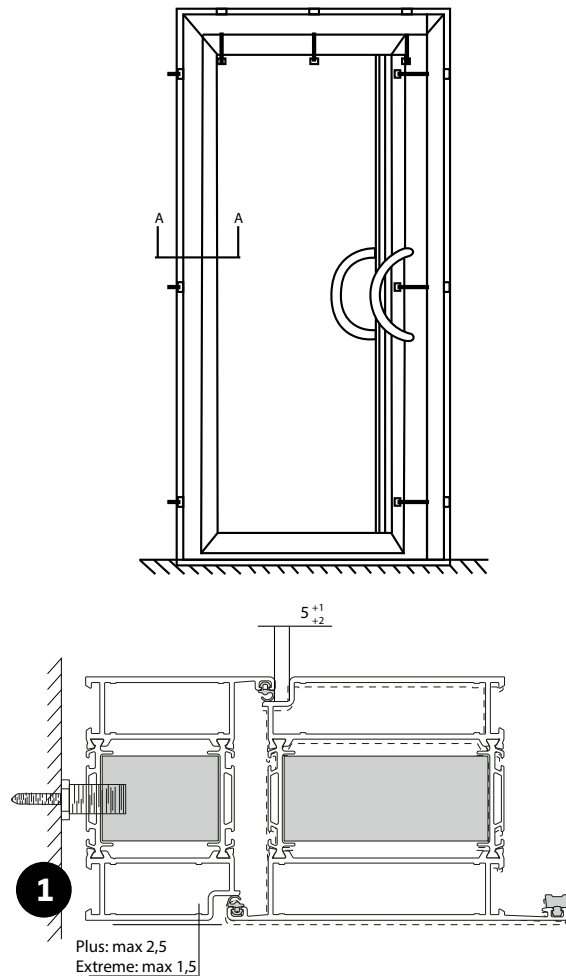
#### Additional information for Door 2086 Plus and Extreme:

In order to maintain correct pressure against the sealing strip, the end piece should be adjusted so that the deflection of the door sash is limited to:

max. 2,5 mm for Door 2086 Plus

max. 1,5 mm for Door 2086 Extreme

*Illustration 1*

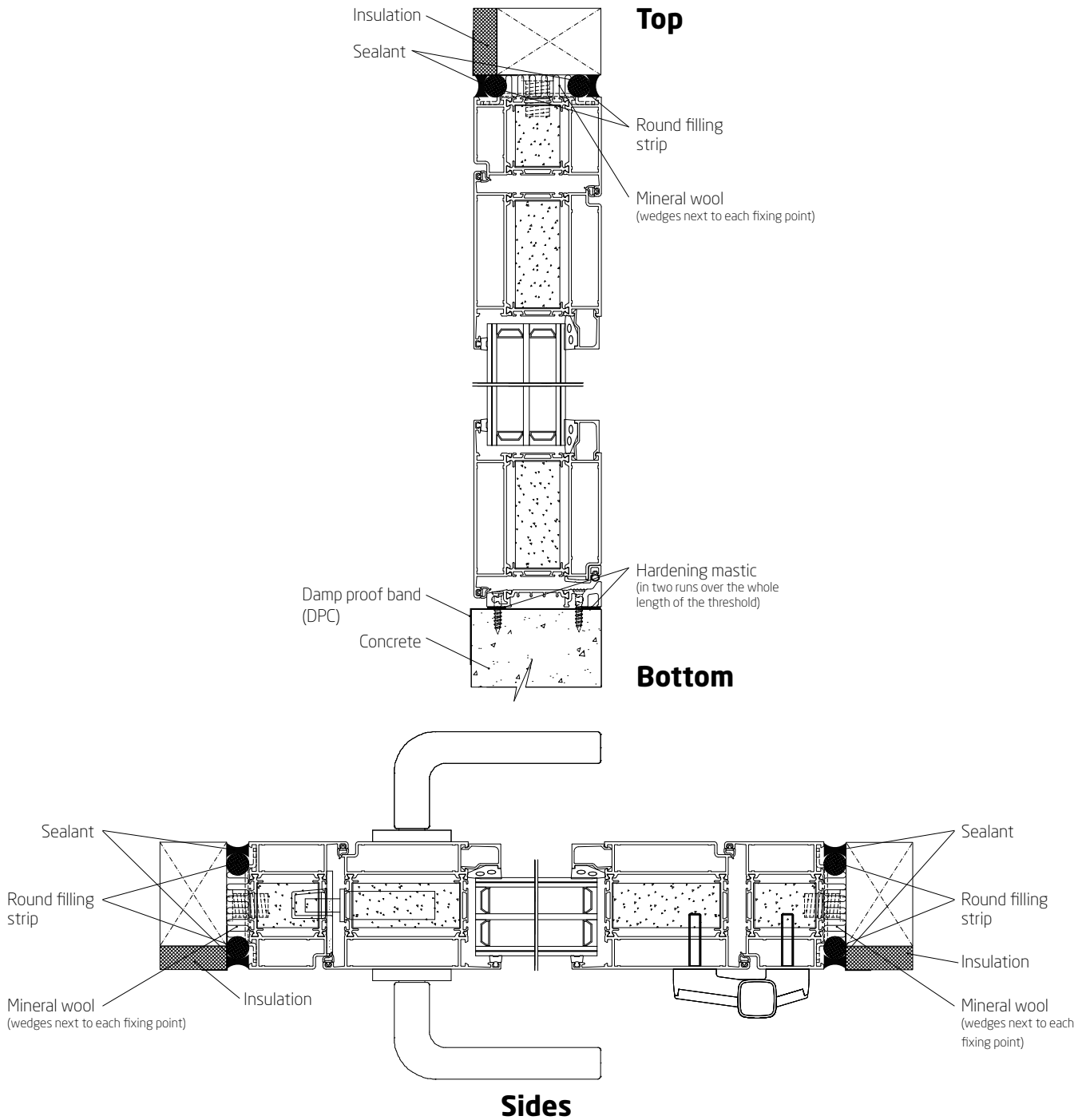


**Step 2.6** Seal the gap between the frame and wall.

**Step 2.7** Check the functionality of the sash. Adjust if needed.

**NB!** All the bearing pads and wedges should be left in place.

## HelAlu Entrance doors sealing recommendations



- Principle of the sealing can vary depending on the type of the wall, where construction is installed in.
- Product should not protrude outside the insulation zone of the wall.
- Water run-off, wind/draught proofing between frame and wall must be carried out in accordance with byggforsk Norway details.