

Installation instructions

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What you need

Spirit level

Screwdriver

Torx bits

Hex keys

Glass wool insulation

Leveling shims

Cylinders, lock cylinder rings and door handles
if not included with the door



Before installing ...

Storing the doors

1. Doors, frames and sidelights must be stored in a dry space, shielded from rain.
2. Never place the door directly on the floor but lay it on top of, for example, expanded polystyrene (EPS) foam.
3. Mounts and fittings that have been delivered in separate pieces shall be stored indoors.

Dimensions of the door opening

The dimensions of the door opening must be 15-30 mm wider than the external dimensions of the doorframe. The distance between the door and the wall needs to be equal on all sides.

Mounting methods and wall materials

1. For all the mounting, the included frame sockets should be used, alternatively a corresponding socket which meets the SS 817332 requirements.
2. All of the mounting holes should be used and all the screws need to be properly secured in the foundation. The wall might need to be reinforced in order to achieve this.
3. Included screws are intended for mounting on wood or concrete and not on porous materials such as lightweight concrete. On concrete walls and walls made out of porous materials, plugs might be needed.

Recommended screw lengths

Wood and concrete: min 60 mm (the screw must enter at least 45 mm into the wall framework),

Porous wall materials, for example lightweight concrete: min 130 mm (the screw must enter at least 115 mm into the wall framework).

The selected mounting method must allow for readjustment of the frame for the warranty to be valid.

Specific instructions for certified doors - fire and burglar resistancy

The mounting instruction – a part of the certificate

In order for the door to achieve its certified qualities, careful mounting according to the instructions named "Front door, climate door and shed door installation" is required. The premounted frame sockets must be used when mounting the doors.

Wall construction – specific requirements

Fire and burglar resistant doors must be mounted on wall constructions of at least the same certifications as the door.

Approved wall constructions

1. Flexible walls constructed from timber or steel framing and sheets, minimum thickness 70mm.
2. Solid wall constructions with a fire resistance to fire rating of EI30.

Potential side or toplights are not covered by the fire or burglar resistancy certificate of the doors, but the framework must always be mounted directly onto the above-mentioned wall constructions.

Sealant around fire resistant doors

The space between the framework and the connecting wall must be caulked/sealed carefully from both sides, using A2-certified mineral wool.

Mounts

Mounts that are used must be approved according to the certification. Burglar resistant doors must be equipped with a double cylinder class 3 as per SSF 3522, for example, a pair of round mortise lock cylinders ASSA d12 1312 or 1212.

Manufacturer's warranty

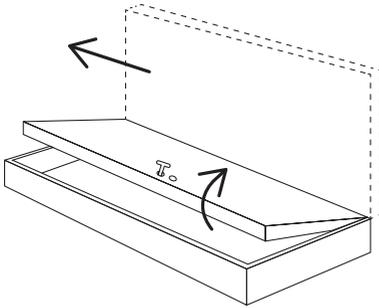
The delivered product has been manufactured according to the certificates and approvals which are required for the product, as well as according to the documentation on which these are based. Type approval number and/or certificate number can be found on the label of the door leaf.

Front door, climate door and shed door installation

1

Check, using a spirit level, that the foundation is leveled. If not, use the leveling shims made out of moisture resistant material in order to achieve this. The shims shall be placed max 100 mm away from the outer edge of the framework. They must be at least 20 mm smaller than the depth of the framework in order to give space to the sealant.

Advice! More than 2 shims might be needed to avoid that the threshold yields.



2

Let the door lie down. Open the lock with a chisel or handle. Lift the door leaf from the framework. Place the door leaf on a soft foundation to avoid damaging the lower edge.

Damages on the surface layer can result in moisture damage of the door leaf, which will not be covered by the warranty.

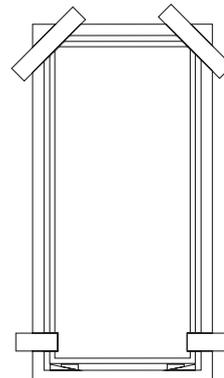
3

If side or toplights shall be mounted together with the door, see p. 14.

4

Place the door frame on top of the leveling shims in the wall opening. Adjust so that the frame is placed correctly according to the depth.

Advice! In order to avoid the risk of the frame falling out, shims can be mounted as a support on the outside.



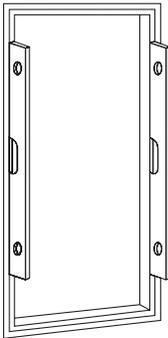
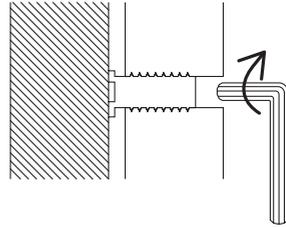
Continue on the next page →

Front door, climate door and shed door installation

Unscrew the frame sockets on the sides of the wall opening. All of the frame sockets should be able to rest against the wall so that a fixed mounting is achieved. (In cases where the frame does not have premounted sockets, these shall be screwed in from the backside of the frame using a hex key or mounting tool from the manufacturer.)

5

Advice! When mounting on porous wall materials, it might be necessary to fasten pressure distribution washers on the back of the sockets.

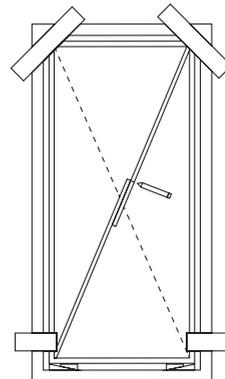


6

Check, using a long spirit level, that the sides of the frames are completely straight and do not lean in towards or out from the room. Also check that the sides of the frames are straight and do not bulge inwards or towards the middle. The gap between the frame and the wall must be even all around by 7,5-15 mm. If needed, adjust using the frame sockets..

7

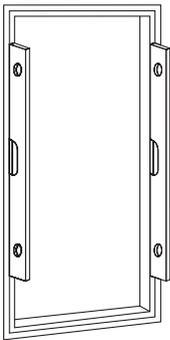
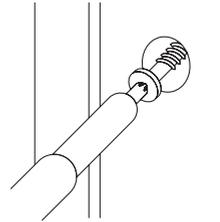
Measure the frame diagonally to ensure that it is standing correctly. This is achieved when both of the diagonal measurements are even. Adjust, using the frame sockets, if needed.



8

Screw the frame onto the wall. All of the mounting holes must be used. Use screws that attach properly to the available wall material (see section "Before installing" for recommendations).

Advice! Start by screwing the hinge side of the frame, check with a spirit level and make potential adjustments. Then, continue with the striking plate side.

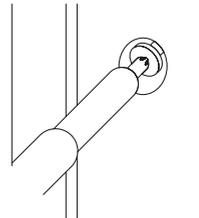


9

Check again, using the spirit level, that the frame is straight on all sides, as described in the instructions. Adjust the mounting if needed by loosening the screw and the socket. Check once again, unscrew the socket and then screw in the screw. Note! Ensuring that the framework is mounted straight is crucial for sealing and functionality.

10

Tighten the mounting screws and hang the door leaf onto the frame once again.

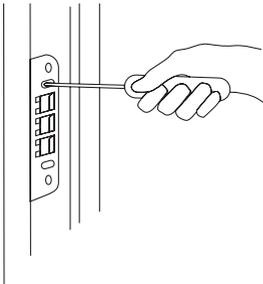
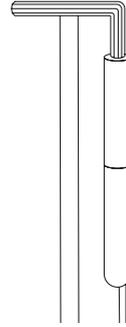


Front door, climate door and shed door installation

11

Check that the gap between the frame and the door leaf is even on all sides. The gap should be 2-3 mm around the entire door leaf. In order to achieve this, the door leaf height can be adjusted by using the hinges. Unscrew the hinge cap and adjust using a hex key. The door moves up when turning the hex key clockwise and down when turning it counterclockwise.

Advice! The hinges can also be placed sideways. Loosen the hinge screws on the frame a little bit and adjust sideways by unscrewing the torx screws. Tighten the hinge screws after adjusting them.



12

In order to adjust the closing pressure and make the door leaf align with the frame, the striking plate might need to be adjusted. The interior part of the striking plate is moveable and can be adjusted according to depth by loosening both of the striker adjustment screws.

13

Apply wood oil on the oak threshold.

14

Cover the mounting holes with the included cover plugs.

15

Caulk/seal around the frame and cover with lining.

16

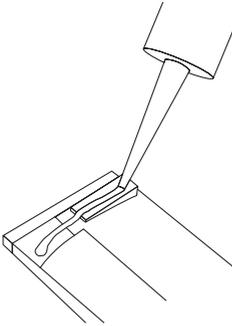
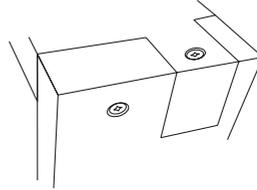
If the door does not have a overhang, a sheet or canopy should be mounted in order to divert moisture from above.

Double front door installation

1

Screw the top piece of the frame to the sides of the frame. Use the included screws (5x90 mm). Pre-drill and screw in 1 screw from the top and 1 screw from the side.

Mounting for older frame models:
The top piece of the frame is put together by screwing 3 screws from the top and down into the sides.



2

Put a string of silicone on the threshold along the surface fastened to the side of the frame.

Pre-drill a hole for screws in the wooden part of the threshold to avoid cracks, and countersink the screw. Screw the threshold from underneath and down into the side of the frame, using the included screws (5x90 mm). 1 screw through the wooden part and 1 screw through the aluminum part on each side of the threshold.

3

Check, using a spirit level, that the foundation is leveled. If not, use the leveling shims made out of moisture resistant material in order to achieve this. The shims shall be placed max 100 mm away from the outer edge of the framework. They must be at least 20 mm smaller than the depth of the framework in order to give space to the sealant.

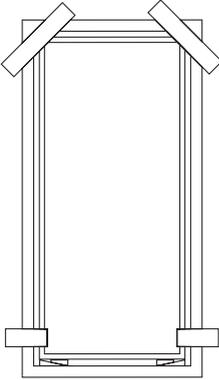
It is important to use more than 2 shims for double doors to avoid that the threshold yields.



max 100 mm

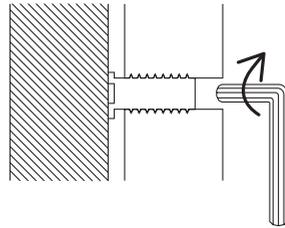
Double front door installation

- 4 If side or toplights shall be mounted together with the door, see p. 14.

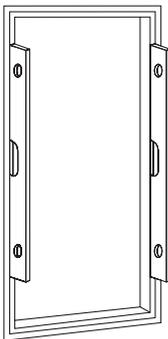


- 5 Place the door frame on top of the leveling shims in the wall opening. Adjust so that the frame is placed correctly according to depth.
Advice! In order to avoid the risk of the frame falling out, shims can be mounted as a support on the outside.

- 6 Unscrew the frame sockets on the sides of the wall opening. All of the frame sockets should be able to rest against the wall so that a fixed mounting is achieved. (In cases where the frame does not have premounted sockets, these shall be screwed in from the backside of the frame using a hex key or mounting tool provided by the manufacturer.)



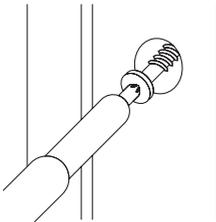
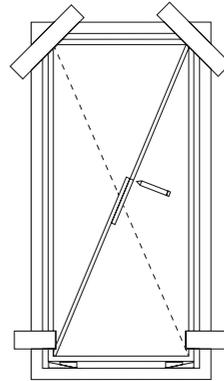
Advice! When mounting on porous wall materials, it might be necessary to fasten pressure distribution washers on the back of the sockets.



- 7 Check, using a long spirit level, that the sides of the frames are completely straight and do not lean in towards or out from the room. Also check that the sides of the frames are straight and do not bulge inwards or towards the middle. The gap between the frame and the wall must be even all around by 7,5-15 mm. If needed, adjust using the frame sockets.

8

Measure the frame diagonally to ensure that it is standing correctly. This is achieved when both of the diagonal measurements are even. Adjust, using the frame sockets, if needed.

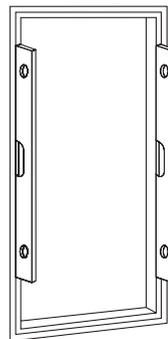


9

Screw the frame onto the wall. All of the mounting holes must be used. Use screws that attach properly to the available wall material (see section "Before installing" for recommendations).

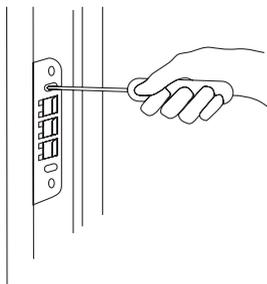
10

Check again, using the spirit level, that the frame is straight on all sides, as described in the instructions. Adjust the mounting if needed by loosening the screw and socket. Check once again, unscrew the socket and then screw in the screw. Note! Ensuring that the framework is mounted straight is crucial for the sealing and functionality.



Double front door installation

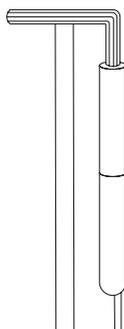
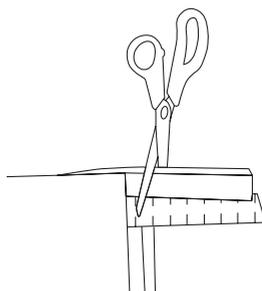
- 11 Tighten the mounting screws. Hook the inactive door leaf and adjust it so that it can be fixed with the framing up and down.



12

In order to adjust the closing and make the door leaf align with the frame, the striking plate might need to be adjusted. The interior part of the striking plate is moveable and can be adjusted according to depth by loosening both of the striking plate adjustment screws.

- 13 Cut off the sealing strip on the inactive door. Leave around 1 cm so that it is sealed all the way.



14

Check that the gap between the frame and the door leaf is even on all sides. The gap should be 2-3 mm around the entire door leaf. In order to achieve this, the door leaf height can be adjusted by using the hinges. Unscrew the hinge gap and adjust using a hex key. The door moves up when turning the hex key clockwise and down when turning it counterclockwise.

Advice! The hinges can also be placed sideways. Loosen the hinge screws on the frame slightly and adjust sideways by unscrewing the torx screws. Tighten the hinge screws after adjusting them.

16 Apply wood oil on the oak threshold.

17 Cover the mounting holes with the included cover plugs.

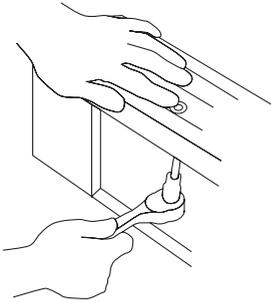
18 Caulk/seal around the frame and cover with lining.

19 If the door does not have a overhang, a sheet or canopy should be mounted in order to divert moisture from above.

Toplight and sidelight installation

When mounting sidelights, the predrilled screw holes on the doorframe or the sidelight can be used. If screwing from the doorframe, the length of the screw must be adjusted to avoid damaging the glass of the sidelight. Use the shorter screws that are included with the sidelight. Do not use the screws that are included with the door since these are too long. Alternatively, the inner, thicker part of the doorframe can be drilled, and the door and sidelight put together using a regular wood screw. When mounting toplights, this method is used.

When mounting on a wall, the same method as for mounting a regular door is used. Follow the mounting instructions for double doors or double front doors.

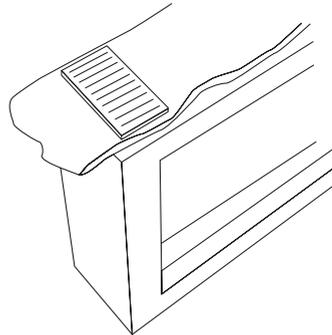


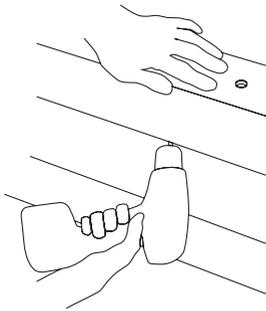
1

Screw the frame socket into the side or topline.

2

Seal between the sidelight/toplight and the front doorframe which is assembled before mounting on the wall. Seal with soft sealant or caulk. Shims for mounting are not included but can facilitate the installation.





3

Screw the construction together using the shorter screws that are included. The predrilled screw holes in the sidelight/toplight can be used. Screw from the sidelight/toplight frame into the doorframe.

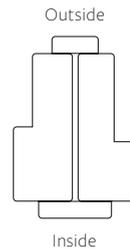
4

→ Follow the instructions for each door type.

6

Mount the astragal on the inside and the outside between the frontdoor and the sidelight/toplight using an assembly adhesive for outdoor use.

The astragals come in two different sizes. The narrow one (approx. 33 mm) is mounted on the outside, and the wide one on the inside.



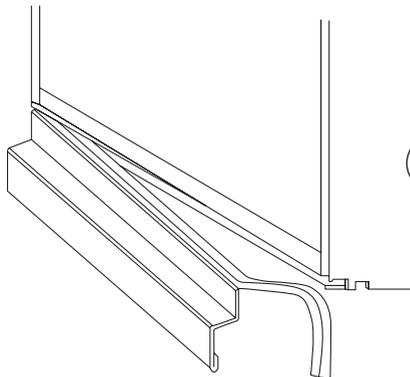
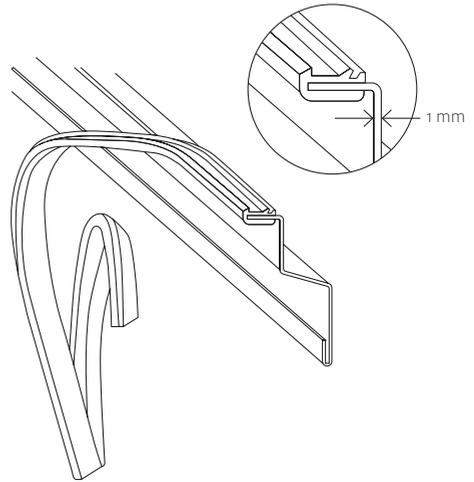
Note!

For extra stability in the construction when the sidelight and front door has been assembled, an extra hole should be drilled in the top piece of the door frame next to the sidelight. Mount the extra frame socket that is included with our sidelights.

Gasket for threshold extension plate installation

Option 1 - Straight finish

- 1 Mount the gasket along the entire length of the threshold extension plate. The flanges should face upwards, see picture.

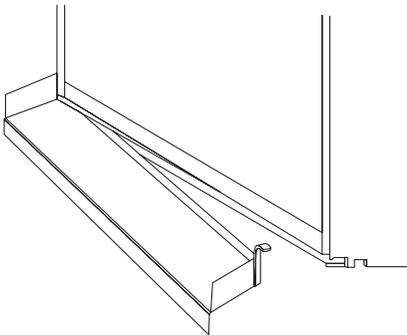
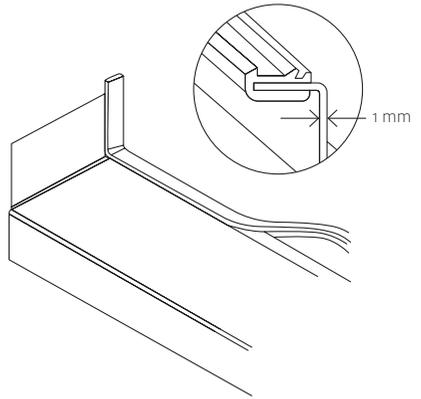


- 2 Start by pressing the gasket in the correct end position and then press the gasket along the entire threshold extension plate.

Option 2 - Folded finish

1

Mount the gasket along the entire length of the threshold extension plate. The flanges should face upwards, see picture.



2

Start by pressing the gasket in the correct end position and then press the gasket along the entire threshold extension plate.