



en

INSTALLATION INSTRUCTION
DOORSETS FROM
JELD-WEN DOOR SOLUTIONS

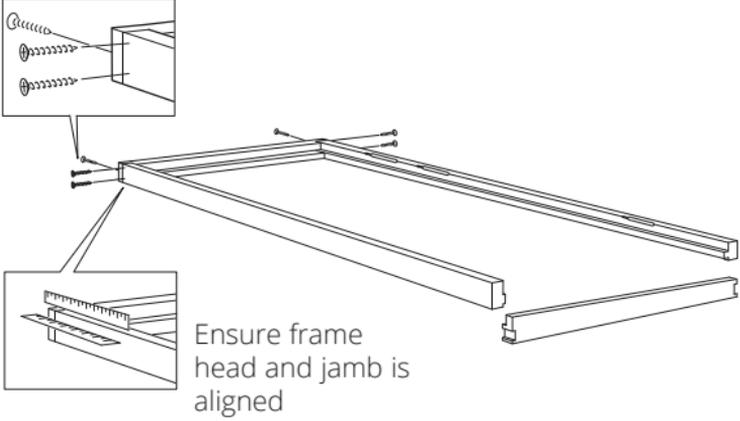


It is very important that Doorsets are installed correctly to comply with the requirements of Fire, Acoustics etc. It is the responsibility of the installer to ensure that the correct procedures are followed. The guarantee will be void if the criteria is not met.

1

Use nails or screws to assemble frame head with jambs. Two pieces through each jamb and 1 piece through the head.

Hardwood frames must be pre-drilled before screwing.

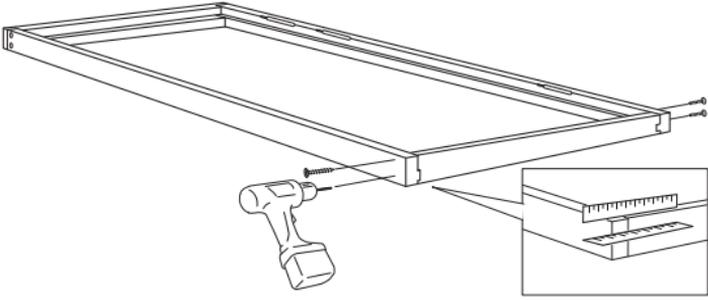


2

If frame is supplied with wood threshold:

Assemble threshold and jamb by pre-drilling and screwing the threshold to the jamb with two screws in each jamb.

Ensure that jamb and threshold is aligned.



3

Fixing position and spacing

Distance from bottom to first fixing must not exceed 200 mm.

Distance between fixings must not exceed 600 mm.

Distance from top to first fixing must not exceed 200 mm (X on Fig B). However up to 400 mm is allowed if: Frame is < 2300 mm, FD30, and the gap between frame and wall is < 15 mm and tightly packed mineral rockfibre is used for firestopping.

Frames wider than 1000 mm must have a fixing through the stop in the frame head placed central +/- 200 mm.

Single line of fixing must be through door leaf rebate (see Fig. B). Secondary fixings may be through the stop or the other rebate.

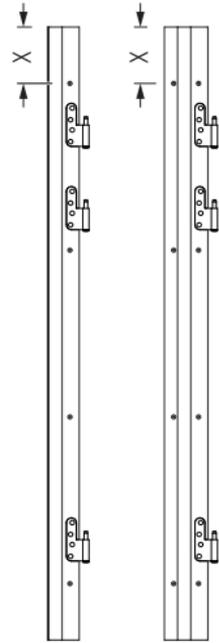


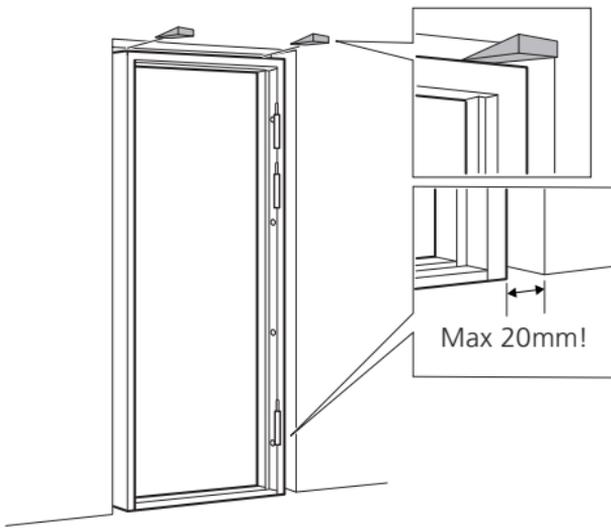
Fig. B

4

Timber frames must be fixed to either timber or steel stud partitions or masonry walls. Where fitted in steel stud partitions the edge of the wall opening must be filled with timber (we recommend minimum 50 mm thickness) to provide stiffness and suitable fixing capacity

Centre the frame in the wall opening. The maximum gap allowed between frame and wall is 20 mm. If the gap exceeds 20 mm the wall opening must be reduced with solid wood or other suitable material until 20 mm or less is achieved.

Fixate the frame temporary with wedges above each jamb.

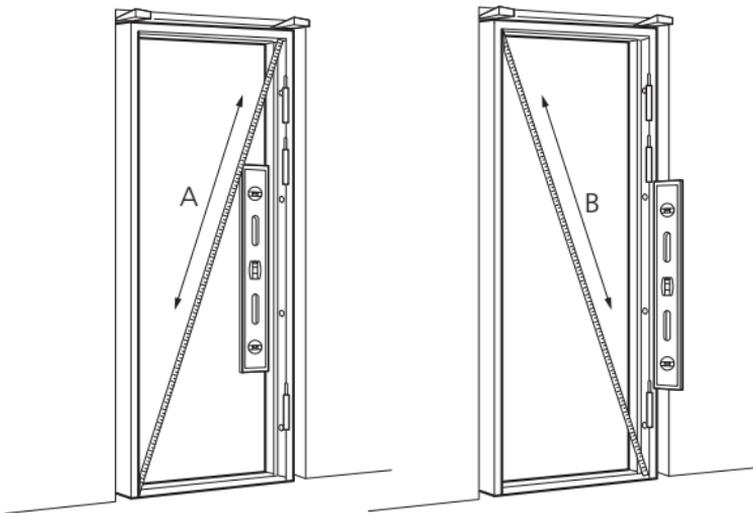


5

Adjust the frame till the frame top is plumb.

Adjust the frame till the frame face is plumb.

Ensure that diagonal measurements are the same (A=B).

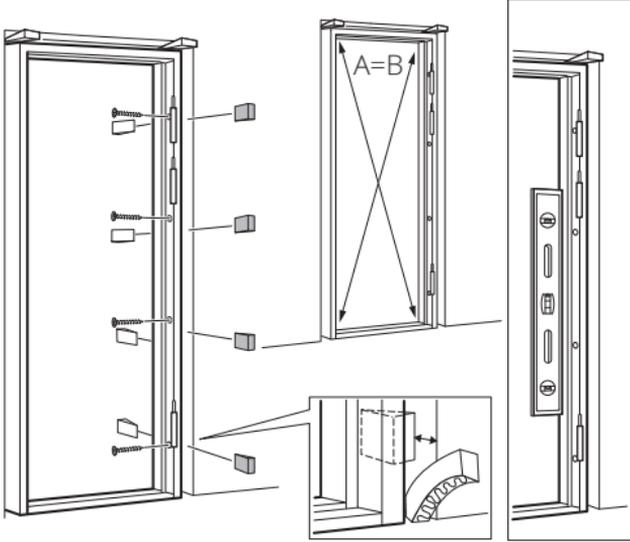


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Install the frame in the wall opening. Behind each fixing, packers (wedges) of solid timber or MDF must be applied. Packers must be offset from face of frame to allow for sealing material.

Screws and plugs suitable for the wall construction must be used and screws must have an insertion depth of minimum 50 mm into wall.

Start by installing the hinge jamb and ensure the hinge jamb stays plumb. If needed adjust with the screws and packers.

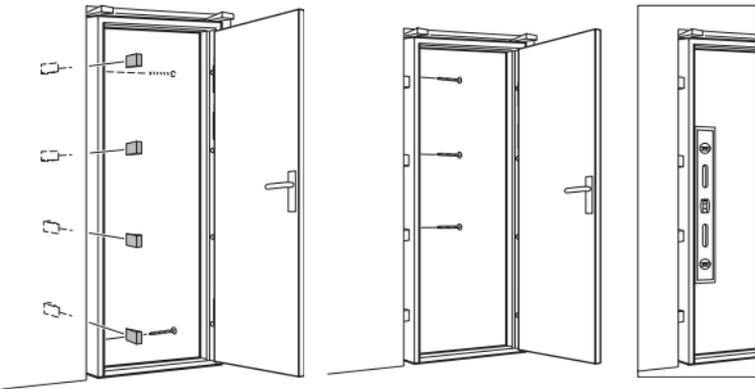


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Install the striker jamb, starting with the bottom screw first.

Hang the door and adjust the striker jamb.

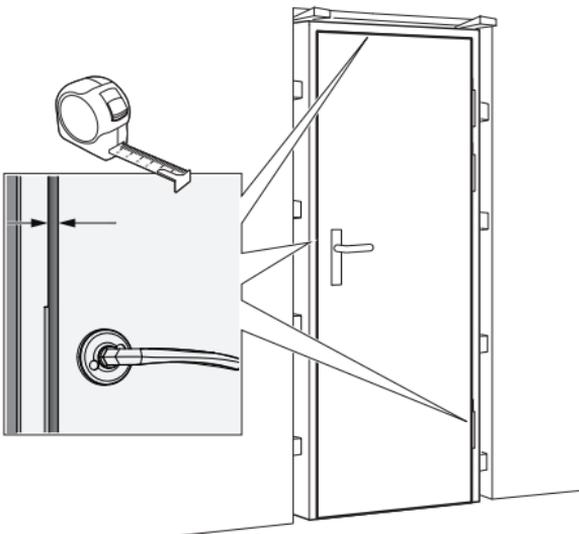
Install the rest of the screws while ensuring the jamb is straight and plumb. Use the door leaf as a template until a perfect hang is achieved.



8

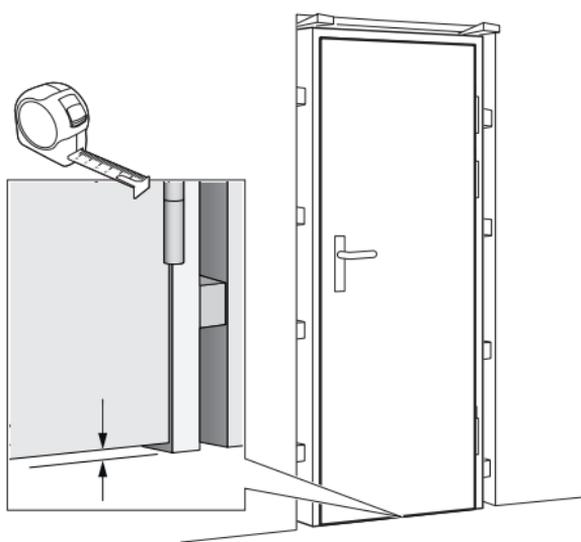
Gaps between the door and the frame, and between leaves of double doors shall be according to below:

- 40 and 60 mm thick door leaves: 1.5 - 3 mm
- 54 mm thick door leaves: 1.5 - 4 mm



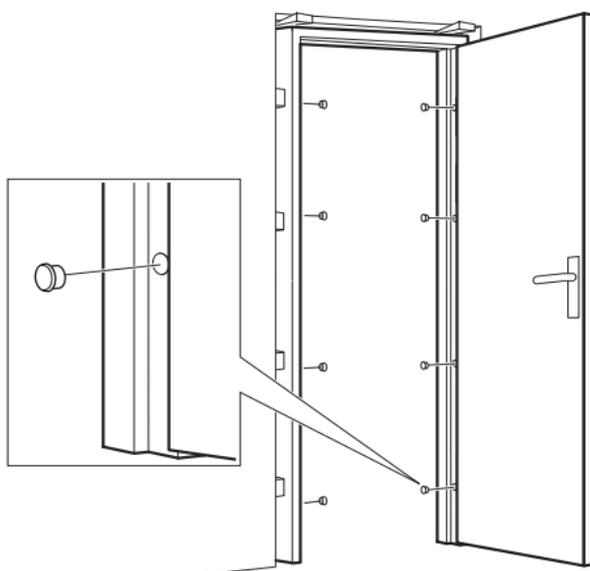
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Final undercut from bottom of the door to finished floor level must not exceed 6 mm. Doors with smoke seal must not exceed 3 mm from bottom of door to finished floor level. Finished floor must be of non-combustible material.



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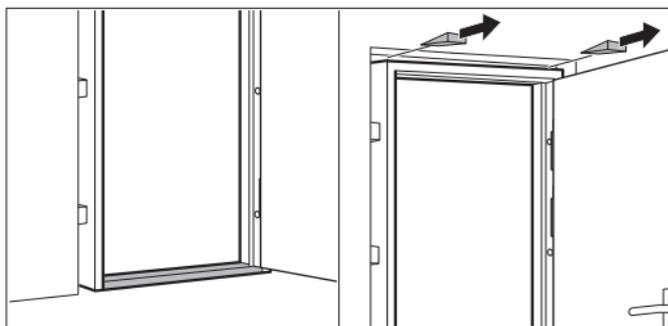
Where holes in frame need to be filled, after installation, wood or plastic plugs may be used.



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If frame is supplied with wooden threshold, then install it to the floor using screws or other suitable method.

Remove the temporary wedges.



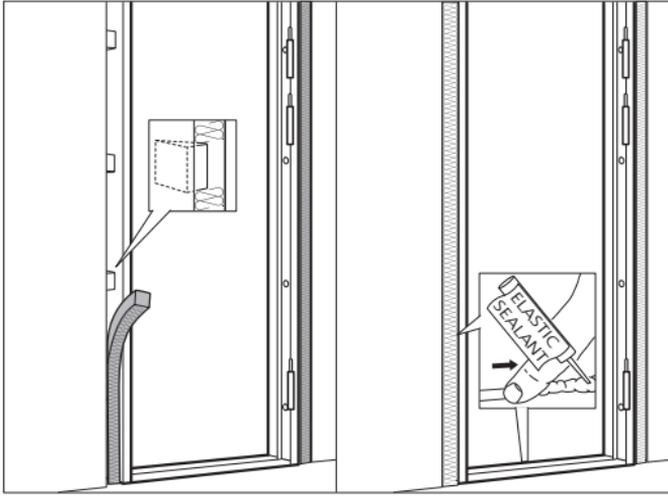
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Door sets with fire rating must have the gap between frame and wall adequately sealed. Use mineral wool tightly packed in the entire depth of the frame.

Alternatively follow one of the methods described in BS8214:2016

For door sets with acoustic or smoke properties an elastic sealant must be applied to one or both sides of the frame in order to seal the junction.

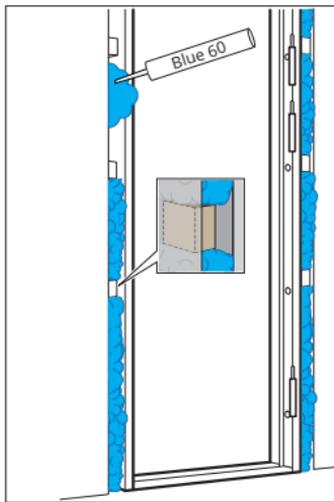
For expanding foam rules and limitations, refer to the next step.



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Blue 60 – Fire rated frame foam may be used as an alternative to mineral wool. No other expanding foam products are allowed.

The Blue 60 foam must be mounted in accordance with the Blue 60 installation guide. Additionally, FD30 assemblies must have a minimum frame depth of 80mm, and FD60 assemblies must have a minimum frame depth of 100mm."



Primed products

Primed surface is suited for several types of coatings from "one component water based" to "two component solvent based" coatings.

Prior to the execution of the finished treatment it is our advice to contact a local paint manufacturer or a painter, in order to ensure that our treatment instructions have been followed, and the choice of a suitable coating, taking into account color, gloss, durability and drying performance is acceptable.

Instructions: Before the primed products are finished with a top coat the following instructions must be followed:

1. The primed surface must be washed with a suitable cleaning fluid.

2. All work pieces are sanded to a matt finish with sandpaper P150-180.
3. Remove any sanding dust generated.

Apply 1-2 coats of a suitable paint depending on the color and covering power of the finished coating(s).

Hardware

Door Closers

Each hinged door leaf must be fitted with a self-closing device unless they are normally kept locked shut and labelled as such with an appropriate sign. The closer must be approved for use on unlatched FD30/FD60 door leaves and fitted according to the manufacturer's instructions.

Deadbolt and roller latch locks

Where fire-resisting doors are normally kept locked (for example duct doors) and rely on the deadbolt to hold the door leaf in the closed position, it should be noted there is the human element of uncertainty of the door always being correctly locked. Appropriate signage/management instructions will need to be considered.

If roller latch locks are used, the door assembly is unlatched. Door closer of approved type shall be fitted.

Non-essential hardware items

Air transfer grilles

Air transfer grille must be of a type that has been subjected to fire and smoke resistance testing or assessed to support its use in doors of a similar construction and thickness to that proposed.

If the air transfer grille is fitted in a 40 or 60mm thick door, the aperture must be lined with a 2mm thick palusol intumescent liner. This is not required when the grille is fitted in a 45 or 54mm thick door if the specific grille has been tested without such a liner. See certificate from air transfer grille supplier.

The air transfer grille must be fitted in accordance with the instructions given by the manufacturer of the grille, and guidelines in the certificate for any specific air transfer grille must be followed as complementary rules to those already mentioned above.

Kick plates

Plastic, PVC, or metal kick plates may be surface mounted to the doors.

If plates are larger than 800mm in length or greater than 400mm in depth, they must be attached in a way that would prevent them distorting the door leaf, e.g., glued with a thermally softening adhesive or screwed with short aluminum/steel screws.

Letter plates

A letter box may be used providing it is of a type that has been subjected to fire and smoke resistance testing or assessed to support its use in doors of a similar construction and thickness to that proposed. It's important that the guidelines in the certificate for any specific letter plate are followed, and the letter plate is fitted according to instructions from the supplier.

Notes:

- The Door and Frame must not be recessed, cut or otherwise altered, as it could invalidate the Fire Certification.

At JELD-WEN, it is part of our business strategy to make continuous design changes. Thus, product deviations may occur in relation to the description in this publication. In addition, we make reservations for printing errors.

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Thank you for choosing
a **JELD-WEN** product!

