

# tür offen

## Doorset Installation guide

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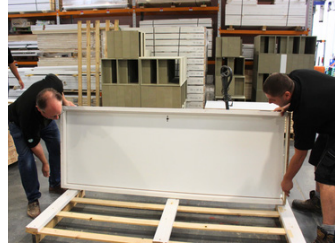


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### Step 1



Carefully unload completed doorsets and ancillary components. Check that you have architraves and bag of ancillary components. Ensure that the door handing and scheduled location is correct.

### Step 2



If one is fitted, carefully remove the disposable transit brace from the bottom of the door frame.

### Step 3



Position the doorset vertically and centrally in the wall opening. Fix the brackets to the wall using **minimum 50mm steel screws**, ensuring each fixing penetrates the structural opening by at least 40mm. Screws must be:

- Spaced **no more than 600mm apart** along each side of the frame
- A **minimum of three fixings per leg**, regardless of the door height
- The **first fixing on each side should be placed within 150mm** of the head and base of the frame

Fixings should pass through the frame and behind the stop lath. **Use packers at all fixing points** to maintain frame alignment and prevent distortion during fixing.

### Step 4



The Tür Offen doorset is manufactured with a pre-agreed undercut to suit the specified floor finish. The final gap between the bottom of the door and the finished floor must not exceed:

- **10mm maximum** where smoke seals are not required
- **3mm maximum** where smoke seals are fitted, in accordance with **BS 8214:2016 and Certifire guidelines**

It is the responsibility of the installer to ensure the final undercut remains within these limits following installation.

### Step 5

#### Frame to Wall Gap – Fire-Stopping and Compliance

To ensure compliance with **BS 8214:2016** and the tested scope of the Tür Offen doorset, the gap between the frame and the wall (structural opening) must meet the following fire-stopping requirements:

- **Permitted Tolerance:**

The gap between the rear of the frame and the wall must be between 3mm and 20mm. Gaps should be as uniform as possible around the perimeter of the frame.

- **Packers:**

Use non-combustible, load-bearing packers at each fixing point. Acceptable packer materials include:

- **Plastic Packers of high-density solid thermoplastic**, capable of withstanding temperatures encountered in a fire without significant deformation or charring. Hollow or low-density packers are not permitted.

Plastic Packers must maintain fixing stability and be compatible with the fire-resistant foam and sealants used (e.g., Fire and Acoustic Seals Ltd Fire Door Foam™ and FAS Intumescent Sealant).

Use only **plastic packers that have been tested or assessed** as suitable for use in FD30 or FD60 door installations in accordance with **BS 8214:2016** and relevant **fire test standards (BS 476-22 or BS EN 1634-1)**.

- **MDF, hardwood or softwood packers** (minimum density 510 kg/m<sup>3</sup>)

Packers must tightly abut the frame and structural wall with no significant voids around them.

- **Fire-Rated Foam:**

For FD30-rated Tür Offen assemblies, the gap may be filled with **Fire and Acoustic Seals Ltd Fire Door Foam™**, as tested in accordance with **BS 476-22:1987** and **BS EN 1634-1:2014+A1:2018**.

- The foam must be **densely packed to the full depth** of the void, ensuring no air gaps.
- The **maximum foam width** must not exceed 25mm for MDF frames or 33mm for hardwood frames, depending on door type and test approval.

- **Intumescent Sealant (where required):**

Where the gap between the door frame and the structural opening is **5mm or less**, it must be sealed with **intumescent acrylic sealant** to a **minimum depth of 10mm**, without backing material.

For gaps greater than 5mm, the primary fire stop should be fire-rated expanding foam, capped with FAS Fire Door Intumescent Acrylic Sealant where required by test data or design specification. Capping is required for:

- **Non-uniform gaps**
- **Fire rating exceeding 60 minutes**
- **Foam applications that do not fully fill or align with the frame/wall interface**

**All installations must follow the tested and approved scope of the Tür Offen doorset and fire-stopping products.**

#### Compliance Notes:

- All fire-stopping products must be installed **in accordance with the manufacturer's instructions** and allowed to **cure for at least 24 hours** before final inspection. This guidance supports up to **60 minutes fire resistance**. For FD60 or higher, consult project-specific testing.



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### Step 6



Check that the door opens freely. Adjust if necessary. If the latched door 'rattles', this can be eliminated by bending the tab in the latch keep.

### Step 7



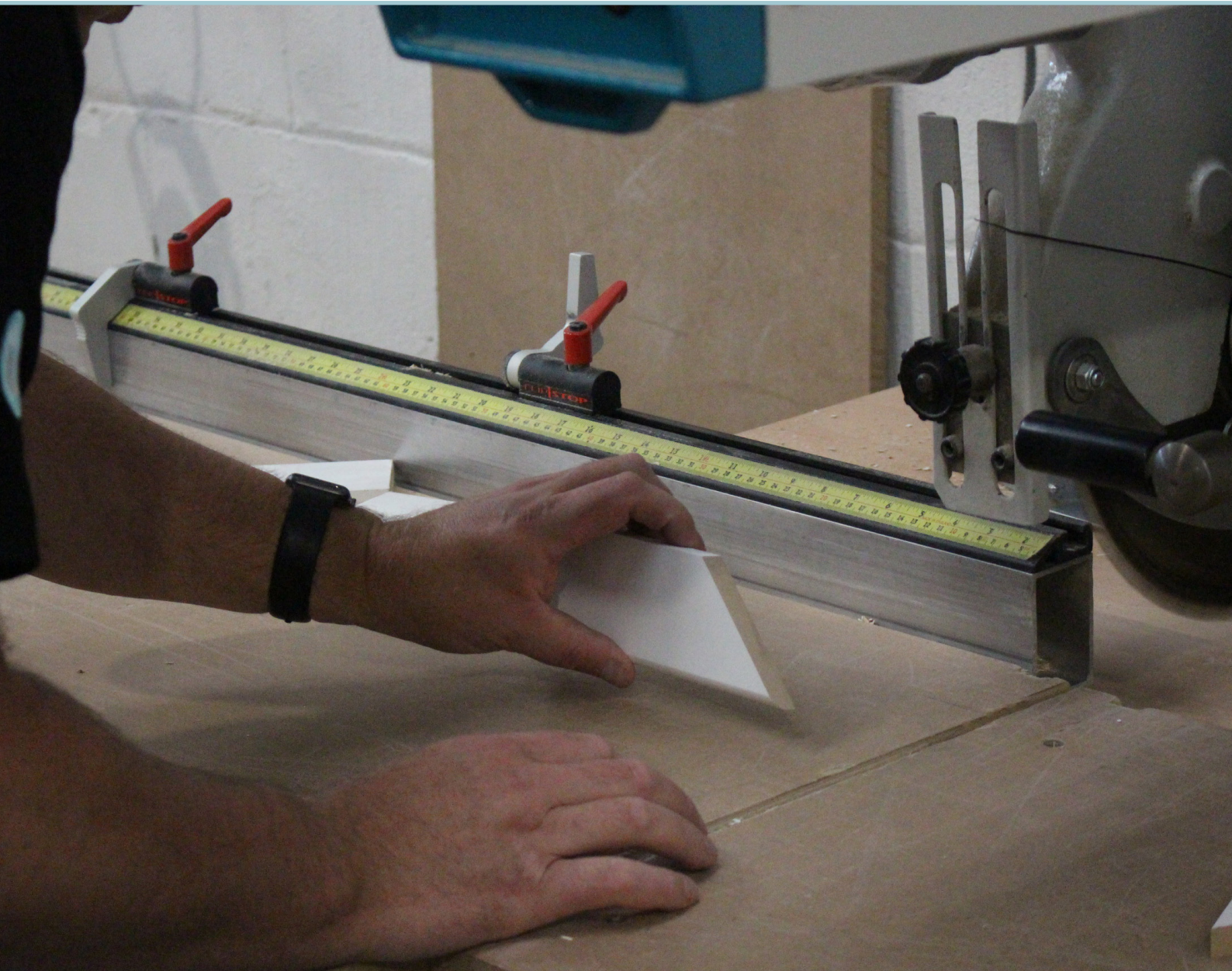
Fit the architraves using an appropriate adhesive and pin into the frame. Ensure pins are pushed below the surface. Use Mitre-fast on the joints to obtain a perfect finish if required.

To avoid staining, excess adhesive must be removed immediately. Always follow the adhesive manufacturer's instructions.

### Step 8



If required, paint the door, frame and architrave. Handles (supplied loose) may now be fitted, and the installation is complete.



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## Important information

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### Storage and handling

The following recommendations must be followed: Tür Offen Doorsets are by design a 'just in time' product and should arrive at the job site no more than one day prior to installation this reduces tire storage, unnecessary extra handling and site damage. Tür Offen Doorsets should be fitted at a late stage in the second fix prior to installation of skirting. All items should be checked at time of delivery to ensure they are not damaged and that no parts are missing.

Tür Offen Doorsets must be stored under cover in dry conditions, stacked horizontally on a level surface, on three or more dry, equal thickness bearers of sufficient thickness to give a minimum of 90mm air gap between the bottom doorset and the floor.



Tür Offen Doorset must not be stored in a building when, or immediately after it is being plastered or wet trades have been active.

Tür Offen Doorset is designed to allow a ventilation gap under the door as required by building regulations. It is the responsibility however of the installer to ensure that this gap remains correct after installation.

Take particular care when using for airing cupboards. These doors should be removed during commissioning of the central heating system to avoid exposure of the door to excessive heat or moisture, which may cause distortion.



FD30 fire doors - void between the frame and door must be filled using a suitable fire resisting material.

### Decoration

When required, decoration should be carried out in accordance with BS6150:2006 and BS8000 Part 5:1990.

Prior to decoration, all components must be clean and dry. Care must be taken to ensure that the timber components have not absorbed excessive moisture from the atmosphere. Always follow the instructions provided by the paint or stain manufacturer.

Always ensure that the same number of coats of paint or stain are applied to both sides of the door. Failure to do so may cause the door to distort.

### Ironmongery maintenance

All active ironmongery (hinges, handles ect.) Should be lubricated at regular intervals.

### Warranties

All Tür Offen Door and frame components are guaranteed for 40 years against manufacturing defects. The factory applied paint finish is guaranteed for two years. Guarantees are subject to the product being treated in accordance with instructions for storage, handling, installation, maintenance and use and excludes ironmongery. Failure to follow these instructions may invalidate your guarantee. This does not affect your statutory rights.

To ensure that the door, frame and architrave are fully protected we recommend that at least three coats of a base coat/top coat paint system is applied to all surfaces.

The entire paint system must be applied within 48 hours of the Tür Offen Doorset being installed.

### Aftercare

Tür Offen Doorsets can be cleaned using a damp cloth or a cloth moisture and with mild soapy water. Abrasive, solvent or industrial cleaning products must not be used.

### Illustrations

Products may be shown glazed, decorated, or with fitted ironmongery. This is for illustrative purposes only. Specifications may vary from those indicated or illustrated, at our option. To confirm details of particular products, please check before ordering

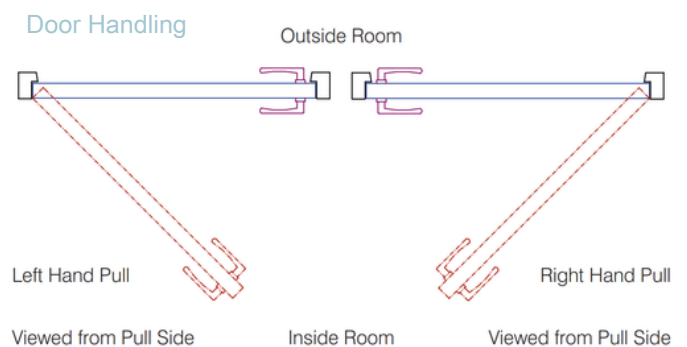
### Accessory pack

Tür Offen Doorsets are supplied with a pack containing all required fixing components, architraves, and ironmongery.

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## Technical Specifications

Standard door size	Opening size
914 x 1981mm (3' 0" x 6' 6")	980 x 2029mm
864 x 1981mm (2' 10" x 6' 6")	930 x 2029mm
838 x 1981mm (2' 9" x 6' 6")	904 x 2029mm
762 x 1981mm (2' 6" x 6' 6")	828 x 2029mm
711 x 1981mm (2' 4" x 6' 6")	777 x 2029mm
686 x 1981mm (2' 3" x 6' 6")	752 x 2029mm
610 x 1981mm (2' 0" x 6' 6")	676 x 2029mm
533 x 1981mm (1' 9" x 6' 6")	599 x 2029mm
457 x 1981mm (1' 6" x 6' 6")	523 x 2029mm
926 x 2040mm Standard Metric	992 x 2088mm
864 x 2040mm Standard Metric	930 x 2088mm
826 x 2040mm Standard Metric	892 x 2088mm
726 x 2040mm Standard Metric	792 x 2088mm
626 x 2040mm Standard Metric	692 x 2088mm
526 x 2040mm Standard Metric	592 x 2088mm
Reduced height moulded door size	Opening size
626 x 1710mm Standard Metric	692 x 1758mm
626 x 1204mm Standard Metric	692 x 1252mm
626 x 945mm Standard Metric	692 x 993mm
Wardrobe door pair size square meeting stiles (SMS)	Opening size
1220 x 1981mm	1289 x 2029mm
1524 x 1981mm	1593 x 2029mm
1676 x 1981mm	1745 x 2029mm
1252 x 2040mm	1321 x 2088mm
1452 x 2040mm	1521 x 2088mm
1652 x 2040mm	1721 x 2088mm



For installation support or further information

Tel: 0113 848 0710 [www.turoffen.co.uk](http://www.turoffen.co.uk)

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