ROCKDOOR

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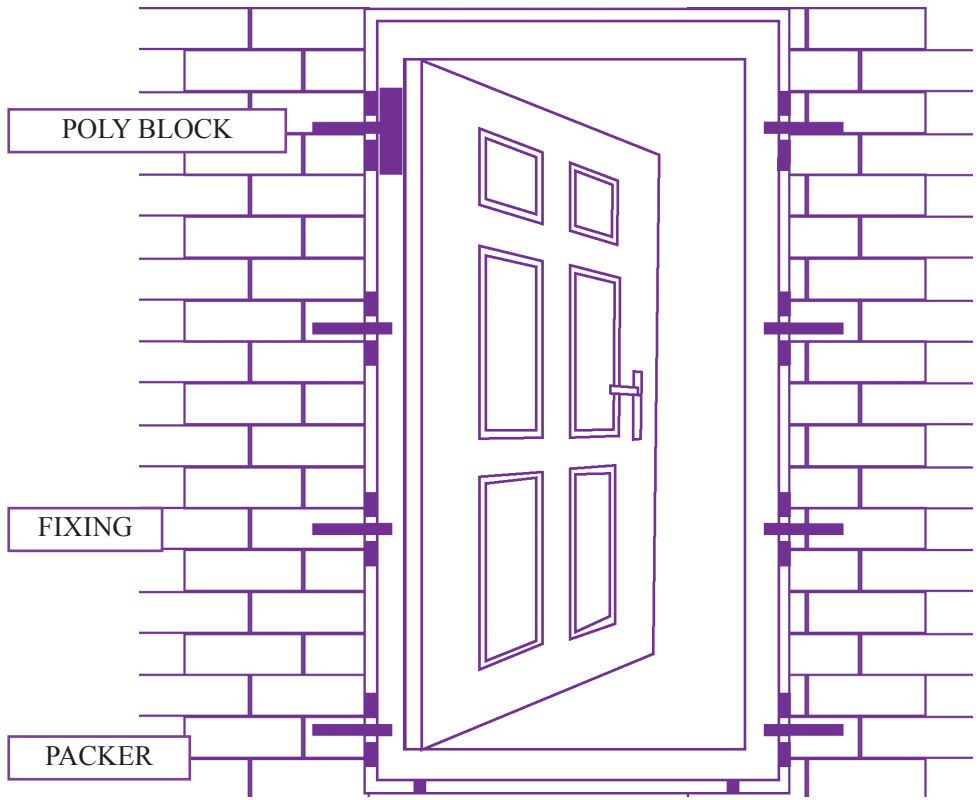
FIXING INSTRUCTIONS

1. Check that the door is the correct size and specification.
2. Remove the old door and frame without damage to brick or plaster.
3. Offer the door and frame into the clean opening.
4. Pack the door frame with an even gap to the verticals, foot and head.
5. Check and adjust if necessary that the threshold is Horizontal
6. Fix the hinge side plumb with four fixings, one fixing must be above the top hinge through the poly block and it must be packed below the bottom hinge as low as possible.
7. Check that the frame is plumb on both the face and the rebate of the frame.
8. Check that the door closes to the lock side and the air gap to the head and jamb is 4mm. Adjust and re-pack the frame if required.
9. Remove the keeps and drill 4 holes through door frame.
10. Check that the door is still flush to the frame and the air gap is
    4 mm. Adjust if necessary.
11. Drill the brickwork and fix the lock side of the frame.
12. Replace the keeps covering the fixings.
13. Check the air gap is 4mm to the jamb and head.
    For fine tuning use the adjustable hinges.
14. Check the door closes, locks, unlocks and adjust compression if necessary.
15. Apply foam to the gap between the frame and brick.
16. Allow the foam to go off.
17. Clean off foam, seal and trim as required.
18. Check door closes, locks and unlocks.
19. Finally, ensure all hinges are fully tightened



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HINGE ADJUSTMENT

Please note: each door-set is factory set with a 4mm air-gap to both sides of the door and to the head within the frame. Consideration should be given to maintaining this air-gap to ensure optimum performance and correct operation of the door. The air gap to the lock side must take priority when adjusting to ensure it is 4mm, the full length of the door.

1. Vertical air gap adjustment

By releasing the two 4mm grub screws "A", the door can be adjusted vertically up or down to lift and drop the door sash within the outerframe. This allows the air gap at the top and bottom of the door sash to be increased and decreased. There are guide lines stamped on the hinge at position "C" to assist with adjustments.

Care must be taken not to raise the door too high or too low as this will affect the performance of the weather seal on the low threshold.

The two grub screws "A" also allow the door sash to be adjusted forwards and back. This adjustment will increase or decrease the pressure on the outerframe's Q-Lon gasket.

2. Horizontal air gap adjustment

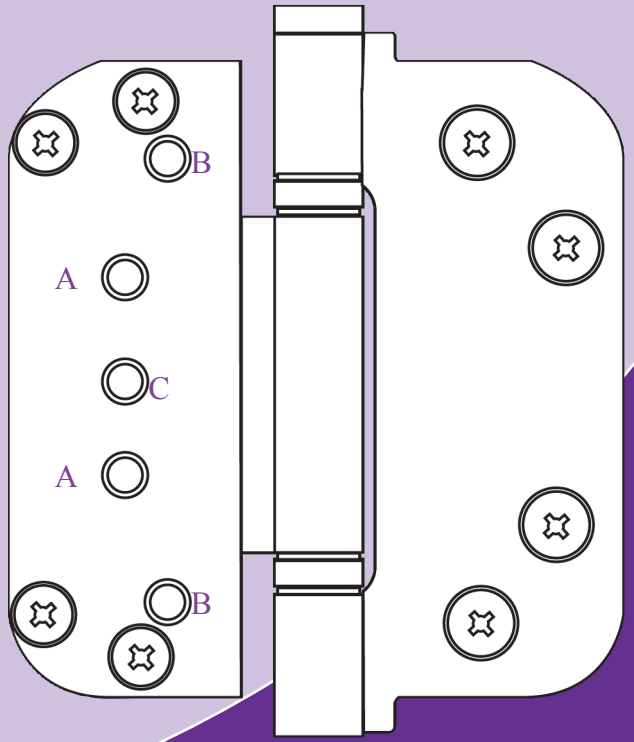
By releasing the two 4mm grub screws "B", the door sash can be adjusted to the left and right within the Outerframe. This allows the air gap on the hinge and lock side of the door to be set. The air gap on the lock side must be set to 4mm.

There is adequate adjustment on each of the three-way hinges for setting up the door sash correctly within the outerframe.

However, the hinge adjustment cannot compensate for a door frame that is fixed out-of-square, with a bowed frame or with a twist from front to back.

Care must be taken to pack the frame securely into the opening, making sure that all faces are square and plumb.

Caution: Do not over-tighten or over-adjust the grub screws.



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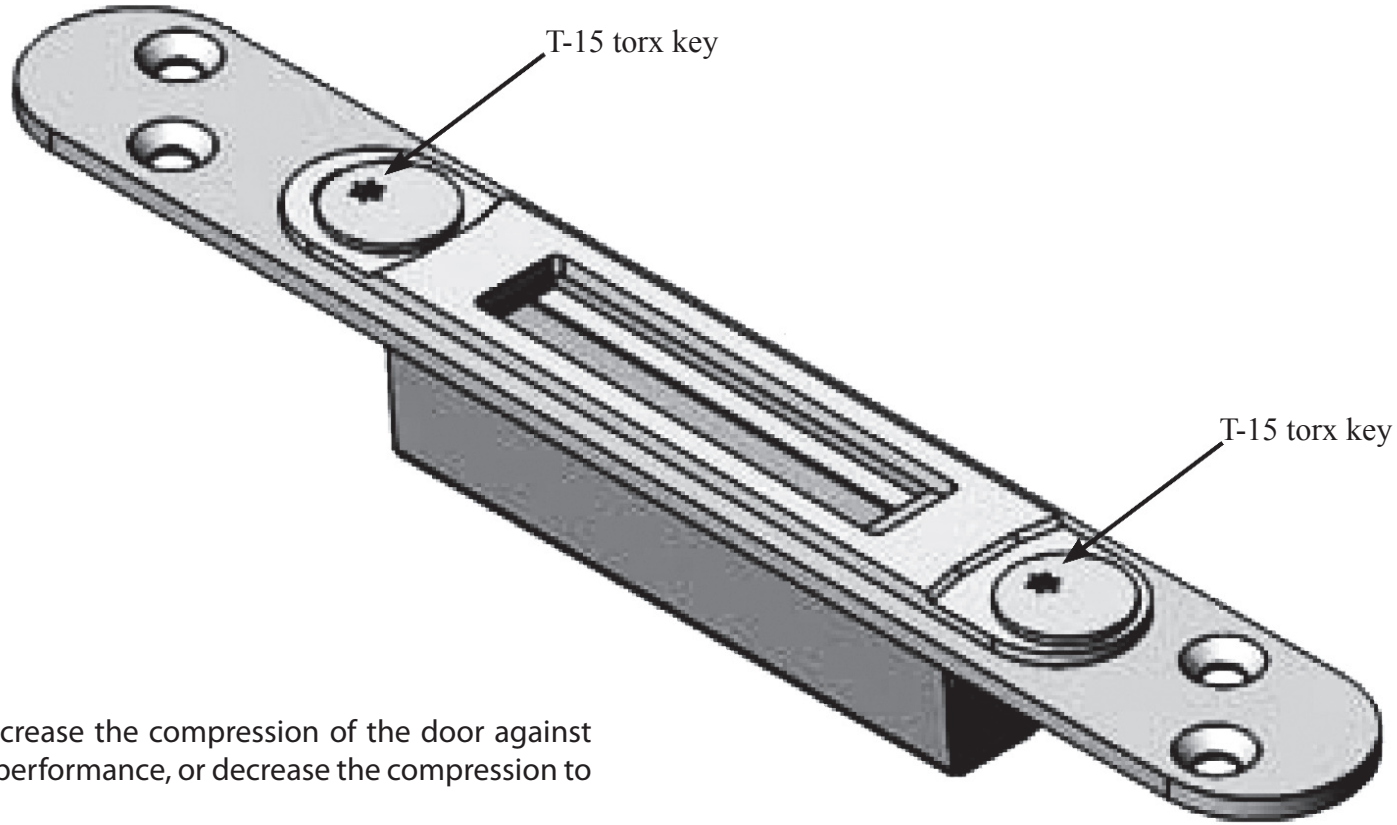
KEEP ADJUSTMENT



Keep adjustment can help to increase the compression of the door against the seal to increase the weather performance, or decrease the compression to make it easier to lock the door.
The adjustment of the keep is carried out using a T-15 torx key.

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LOCK OPTIONS EXPLAINED

Option 1 Residential Standard
Lever/Handle Operated 2 Hook Lock.
This option allows the opening of the door latch from both the inside and outside by pushing the lever down, the latch will retract and entry or exit can be gained. To lock the door you must lift the lever up to engage the hooks', then turn the key to secure the dead lock from either face.

Option 2 Residential with Rim Latch
Lever/Handle Operated 2 Hook Lock & additional Yale latch.
This option provides the same functionality as option 1. However, the user will require a different key to open and gain access from the outside in addition to the main door lock. The rim latch gives a slam shut facility which can be disengaged by turning the knob on the rim latch and sliding the snib to retain the latch.

Option 3 Residential Extra
Lever/Handle Operated 4 Hook Lock.
This option provides the same functionality as option 1 with the added security and weather performance by the use of two additional hook locking points.

Option 4 Traditional Standard
Key Wind Facility 2 Hook Lock.
No handles are supplied; the hooks are engaged and disengaged by turning the key in the cylinder from the outside & twisting the thumb turn from the inside operating the hooks. It may be necessary to include a centre knob which can be fitted externally only or internally & externally which will provide a method of pulling the door open or shut. Centre knobs are available in brass or silver.

Option 5 Traditional with Rim Latch
Key Wind Facility 2 Hook Lock & additional Yale latch.
This option provides the same functionality as option 4 however, the user will require a different key to open and gain access from the outside in addition to the standard door lock.

Option 7 Stable Door Lock.
This option is specifically for stable doors only, therefore it may not be fitted to standard Rockdoor or one of the options 1-6 may not be fitted to a Stable Door.

- Exiting the building. Before you exit the building, please ensure that the top half of the door is secured to the bottom half of the door by throwing the flush mounted door bolt located on the inside of the door. Then with the door closed, the dead bolt and hook are engaged by lifting the handle upward, and then turn the key 360 degrees. The lower half of the door can be dead locked by turning the key or thumb turn 720 degrees. The twisting action of the key or thumb turn, winds out the hook on the lower half of the door. This is the maximum security setting.
- Entering the building. On returning to the building, insert key into lower door cylinder and turn 720 degrees. This will retract the hook back intothe lower half of the door. Then with the same key, insert it into the cylinder in the top half of the door and turn the key 360 degrees. This will unlock the dead bolt and hook. Press down on the handle to retract the dead bolt, hook and door latch. The door can now be opened and entry gained.
- Split door operation. Slide the flush mounted door bolt to release the top half from the lower half. Press down on the handle; you should now be able to open the top half of the door

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LOCK OPTIONS EXPLAINED cont.

AV2 Option 1 Slam Lock
A mechanical automatic multi-point hook locking system, which throws the hooks as the door is closed without the need to lift the handle manual locking is not necessary. The latch is withdrawn internally by depressing the handle, externally the handle will be fixed, the key unlocks the deadbolt, hooks & the latch. It is recommended that a method of automatically closing the door is fitted with AV2 lock options such as a door closer.

AV2e Option 2 Slam Lock & Electronic Release
This option operates as AV2 Option 1 with the additional facility of remote electrical release activated with either 3rd party intercom/access controlled switch device (signal must be potential free), radio transmitter device, key fob entry system or a push to release switch. When "mains power failure" emergency conditions occur, emergency exit of the door is achieved by the "crash the handle to open function". Back boxes, switches and relays to be supplied by contractor depending on requirements and site conditions. This lock option is suitable for communal entrances, although key holders can fully dead lock the door which can't be overridden remotely. Wiring diagrams are available.

Lock Option 1e Electronic Latch Release with Split Spindle
This option operates as Option 1 with a Split Spindle with the additional feature of an electronic latch release fitted to the keep rail on the frame. Entry will only be achievable with the use of a key externally until the hooks and dead bolt have been disengaged this allows the door to be remotely released and pushed open. Nominal voltage 6-12V AC/DC. No wiring is supplied. This option not advisable on communal entrances, it is ideally for single occupancy where the user is has full or at least some mobility.

Lock Option 1e/latch Electronic Latch Release with Split Spindle
Entry is achieved by use of a key or pushed open when the latch is remotely released. Only suitable for communal entrances or were security & weather performance are not high priority. The door can not be dead locked mechanically. It is recommended that a method of automatically closing the door is fitted with this lock options such as a door closer. 3 keys supplied as standard, additional key blanks available on request.

Electronic Rim Latch Keep – may be fitted with Rim Latches. (Except on open out door sets)
A fail Locked 12v keep which work in conjunction with the rim latch. No wiring is supplied.

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LOCK OPTIONAL EXTRAS

Split Spindle - Available with Lock Option 1, 2 & 3.
This function only allows the door to be opened externally with the use of a key. Not Available on open out doors.
Thumb Turn – (std on 4, 5, & 6) also available with lock option 1, 2 & 3.
Gold or Silver. This is an alternative cylinder which includes a small knob internally in place of the key making it easier to quickly lock and unlock the door.

Key/Key – (std on 1,2 & 3) also available with 4, 5 & 6.
Gold or Silver. A cylinder which is operated both internally or externally with the use of a key.

Key Alike – Available with all lock options.
Gold or Silver. This function allows the same key to open all doors fitted with suited cylinders. These cylinders will be supplied separately and will need to be retro-fitted at installation stage.

Rim Latches – (Standard on 2 & 4) (Except on open out door sets)
Gold Chrome or Silver. A traditional latch which the user will require a different key to open and gain access from the outside in addition to the standard door lock. The rim latch gives a slam shut facility which can be disengaged by turning the knob on the rim latch and sliding the snib to retain the latch.

Finger Pull – (Standard on 5) available with all rim latches.
Gold or Silver. Fitted with a rim latch a finger pull provides a method of pulling the door shut externally.

Lever/Pad Handle – Available with 1, 2, & 3
This is a movable pad handle and will work as a lever/lever handle except when used in conjunction with a split spindle.

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GASKETS

Name: Q-LON
DOOR SEAL

CODE R899A BLACK

Name: BRUSH PILE
SECONDRY SEAL

CODE R801A
GREY

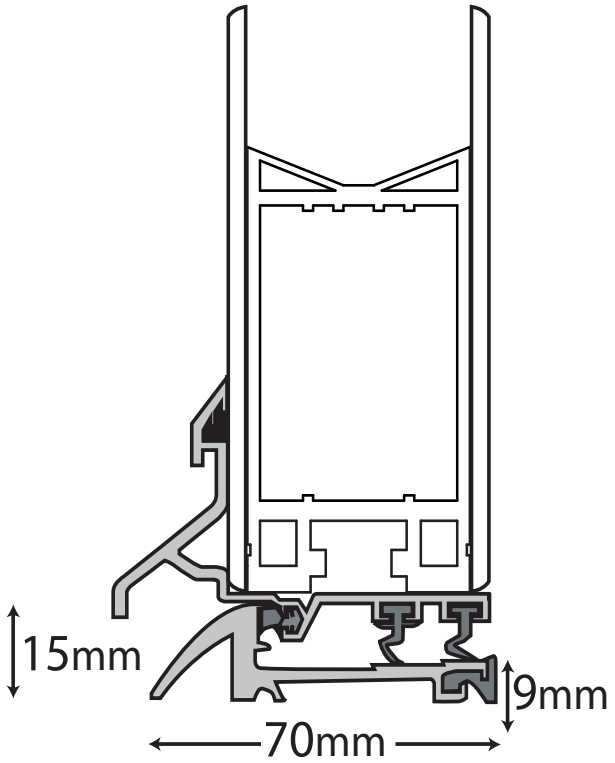
Name: GLAZING GASKET

CODE R461 BLACK

Name: STABLE CENTRE SEAL

CODE R856A BLACK

THRESHOLD GASKET



EXTERNAL
CODE R149B

CENTER
CODE R149A

INTERNAL
CODE R149

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FURNITURE

COLOUR	Lever/Lever Handle	Lever/Pad Handle	Commercial Handle	Rose Handle	Hinge	Letter Plate	Rockdoor Night Latch	Urn Knocker	Urn Knocker/Spy	Spy Hole 180°	Escutcheon	Stable Slide Bolt	Stable Centre Seal	Threshold	Drip Rail	Centre Knob	Numerals	Thumbturn	Cylinders
Polished Gold	✓	✓	✓		✓	✓	✓	✓	✓			✓	✓	✓	✓		✓		
Anodised Gold																		✓	✓
Brass										✓	✓					✓			
Polished Chrome	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		
Satin Chrome	✓	✓	✓			✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓
Stainless Steel				✓							✓								
Black	✓	✓			✓	✓		✓	✓						✓		✓		

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PROFILE COLOURS

OUTSIDE COLOUR	INSIDE COLOUR	Open In Door	Open Out Door	Open In Door & Fanlight	Open Out Door & Fanlight	Side Frame	85mm Cill	150mm Cill	180mm Cill	150mm Cill Reinforced
White	White	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-White	B-White	✓	✓	✓						
Mahogany (Chamfered)	Mahogany (Chamfered)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mahogany (Chamfered)	White (Chamfered)	✓	✓	✓		✓	✓	✓		✓
Rosewood	Rosewood	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rosewood	White	✓	✓	✓		✓	✓	✓		✓
Golden Oak	Golden Oak	✓	✓	✓	✓	✓	✓	✓	✓	✓
Golden Oak	White	✓	✓	✓		✓	✓	✓		✓
Black	White	✓		✓		✓	✓	✓		
Grey	White	✓		✓		✓	✓	✓		
Cream	White	✓		✓		✓	✓	✓		

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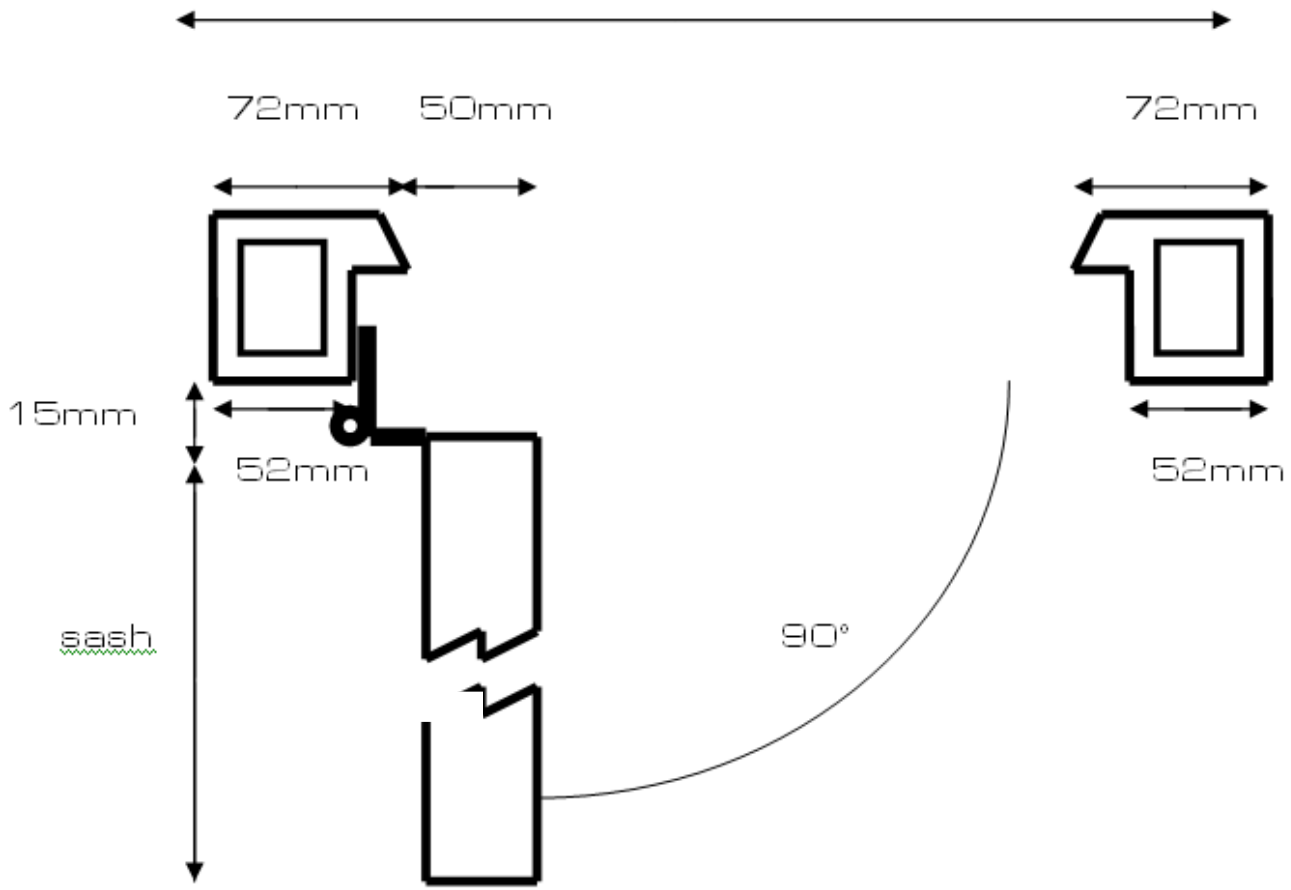
CLEAR OPENING



To calculate clear opening:
Overall width – outer (72 or 52) – outer (72 or 52) – sash depth (50mm) document m states this must be more than 780mm on the main entrance.

To calculate internal step clearance:
From external face of profile
Outer frame depth (70mm) + 15mm (for hinge swing) + sash size

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