Riser Door
Fitting Instructions

Thank you for choosing the DION Riser Doors designed and manufactured in Great Britain. Please read this installation guide to help make the fitting process easier.

Scan the code to download instructions.

Important Fire Rating Notice

The DION Double Door Riser Door is a passive fire rated protection product that has successfully passed fire tests for over 2 hours. However, the fire rating of any Doorset is subject to a number of factors including the design of the Wall or ceiling, installation and fire stopping. Please ensure the Wall/ceiling meets the required fire performance criteria and the installation and fire stopping is carried out correctly. If there is any doubt please contact us.

FITTING INSTRUCTIONS
Single Riser Door

Please see our recommendations below before installation.

Check the Door
Before opening the packaging, please check for damage. The DION Double Riser Door Door is protected with oversized polystyrene corners and heat shrink wrapped in heavy duty polythene. Please recycle all the packaging. There will be printed labels with Number/Type/Position/Floor and Size at the Door ends, edges and the back of the Door. Please ensure the information corresponds with the installation position.

Check the Wall
The partition will need to be constructed to meet the required fire performance. Steel studs lining the aperture should be fitted with timber inserts where the wall system permits. Exposed timber lining studs will need to be protected with plasterboard. Steel lining studs can be left exposed. Internal frame fixing positions will be 54mm & 78mm back from the wall face. For the Beaded Frame type the doorset should also be face fixed through the beaded flange.

REQUIRED TOOLS

Before you proceed with installation, you will require these tools:

Spirit Level

Metal Packers

Cordless Drill

Tape Measure
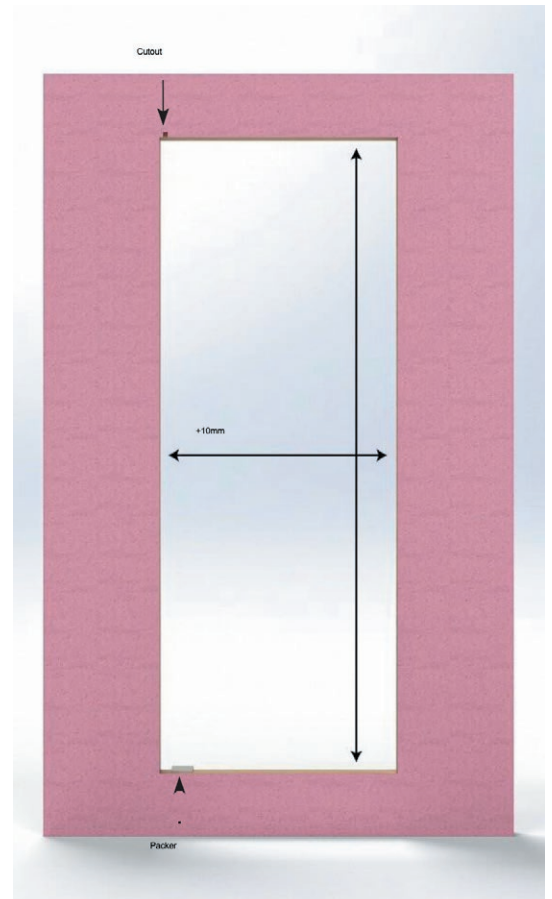
Screwdriver

Intumescent Sealer
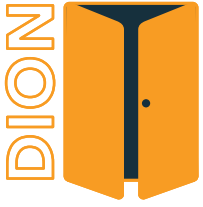
Stanley Knife

10mm Spanner

1. CONSTRUCT THE OPENING
Carefully prepare the opening in the Wall/ceiling 10mm larger than the Doorset ordered to allow for fitting adjustment. The opening must be square, plumb and level.

2. PACKER PLATE & PIVOT CUTOUTS
Cut away a square of plasterboard at the head of the door 15mm high x 15mm wide x 15mm deep and 15mm from the hinge side to allow top pivot clearance. Place a 5mm packer under the bottom hinge stud position below the top pivot position.

3. TAKE THE DOOR OUT OF THE FRAME
Remove the door from the frame.

4. PLACE THE FRAME IN THE OPENING
Taking care not to dislodge the bottom packer offer the frame to the opening. Plumb the hinge side and fix into place with two screws. Do not twist the frame. Use minimum 60mm x 5mm Drywall fixings or longer to suit your wall construction.


5. FIX THE CLOSING SIDE
Place two screws in the closing side.

6. PLACE THE DOOR INTO THE FRAME
Hanging the door is a two man operation. A Riser Door can weigh 40kg+. Place the door leaf onto the bottom pivot point with the nylon spacer washer and lift the door into place. Hold the top spring pivot barrel down which will pop up when it locates into its hole. Visually check the pivot barrel has located correctly by checking the access hole in the side of the door.
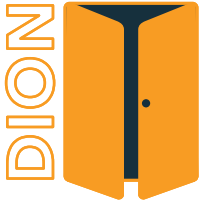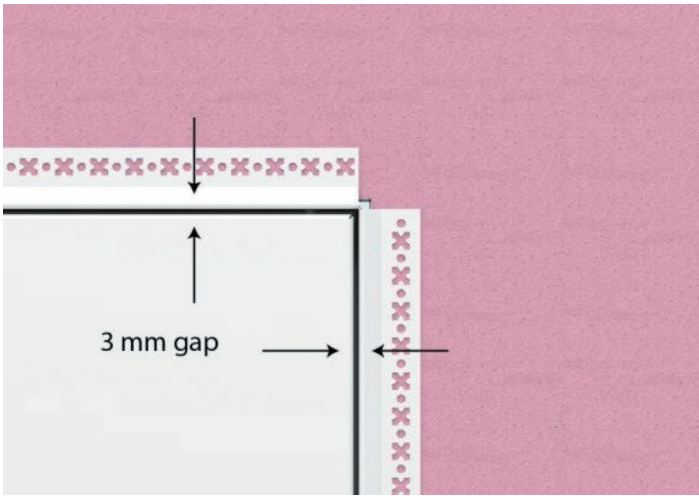
7. HOW TO REMOVE THE DOOR

To remove the door unlatch the top pivot using the access point in the side of the door and lift the door off the bottom pivot.

8. CHECK THE GAPS

The top and bottom door/frame gaps should be the same as the hinge and closing edge. Move the closing edge vertically up or down to adjust the top and bottom gaps. Plastic caps installed into the bottom and head of the door will maintain a consistent gap after adjustment. If necessary, adjust the packer under the bottom pivot position.
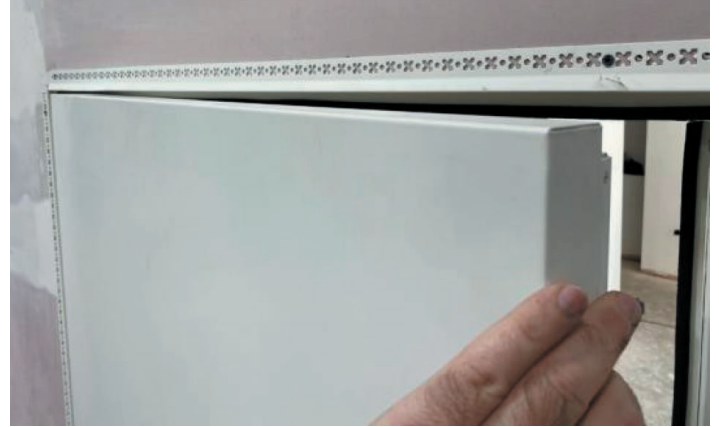
9. CHECK THE OPENING & CLOSING

The door should now open and close without rubbing on the frame. Adjust where required.

10. COMPLETE THE FACE FIXINGS ON PLASTER STOP BEADING.

Fix through the beaded flange at 150mm centres and double fix at each corner. Use 60mm x 5mm Drywall screws. Check the opening action again. In Blockwork use a 7mm Raw Plug.

Picture Frame

If using the picture frame style surround skip the above step.

11. FIX INSIDE THE FRAME

Internally fix the frame using the pre-punched holes in the frame edges. Use 60mm x 5mm (min) drywall fixings at 150mm centers. Use steel or non-combustible packers between the frame and opening to prevent the frame twisting. Packers are available from CISCO.

12. RECHECK THE OPENING & CLOSING

The door should now open and close without rubbing on the frame. Adjust where required.

13. CHECK LOCK OPERATION

Do not lock the door before checking the operation. With the door in the open position operate the lock several times. The lock should operate smoothly without sticking. Use the adjusters to move the locking rods forwards or backwards to align the door into the frame. If the wall is not perfectly plumb the rods will slightly correct for any inconsistency.

14. ACOUSTIC & FIRESTOPPING

For small gaps less than 5mm run a bead of Nullifire FS702 Intumescent Acrylic Sealant (or alternative Certifire approved) to the frame and wall junction as shown. For larger gaps fill the gap with Rockwool and then apply the bead as above. See the separate Firestopping Data Sheet.

15. TAPE & JOINT/ PLASTER

Use scrim cloth self-adhesive tape. Plaster or tape and joint as required.

16. CERTIFIRE

DION Riser Doors are third party certified by the Certifire scheme in certain configurations and sizes. If the door has been specified and is being installed under the Certifire or other third party certification scheme please follow the scheme registration procedures.
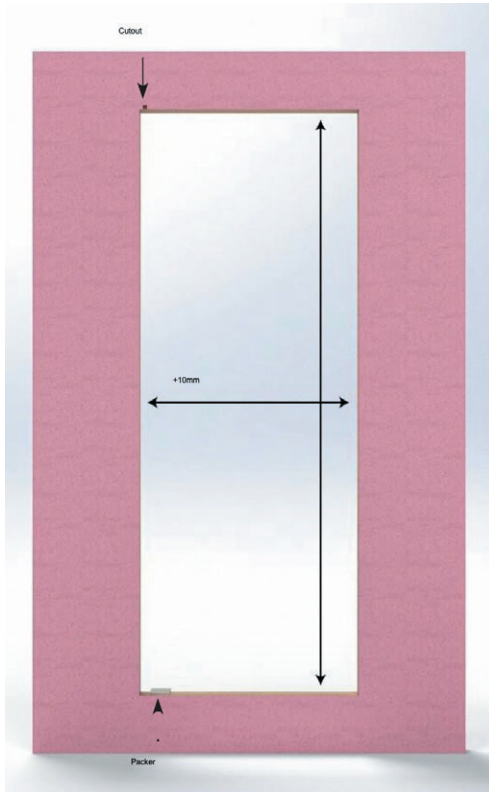
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www.ciscouk.co

Double Riser Door

1. CONSTRUCT THE OPENING

Carefully prepare the opening in the wall 10mm larger than the doorset ordered to allow for fitting adjustment. The opening must be square, plumb and level for a good result.

2. PACKER PLATE & PIVOT CUTOUTS

Cut away a square of plasterboard at the head of the doors 15mm high x 15mm wide x 15mm deep and 15mm from the hinge side to allow for the full travel of the top pivot position. Place a 5mm packer under the bottom hinge stud positions.
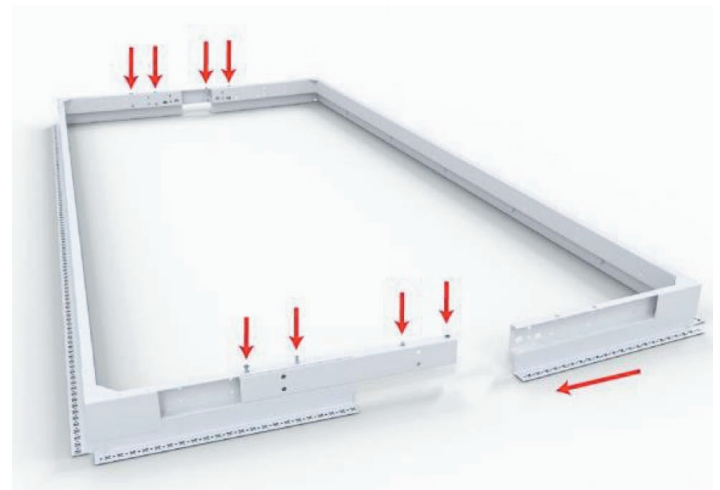

3. UNPACK THE DOORS

Each pack should include a door, half a frame and a frame joining plate. Joining plate screws will be fitted in the joining plate or bagged separately. A key will be taped to the back of the door.
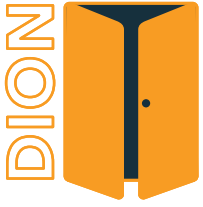

4. TAKE THE DOORS OUT OF THE FRAME

Remove the doors from the frames.

5. ASSEMBLE THE FRAME

On a flat surface use the joining plates to connect the two frame halves.

DION
RISER DOORSETS

Double Riser Door

6. OFFER THE FRAME TO THE APERTURE

Taking care not to dislodge the bottom packers offer the frame to the opening.

7. FIX THE CLOSING SIDES

Using a screw on each side, plumb and level the frame. The joining plates can be relaxed to allow some adjustment. Use minimum 60mm x 5mm Drywall fixings or longer to suit your wall construction.

8. FIX THE CORNERS

With the frame plumb, level and square, fix at each corner position. Be careful not to distort the frame.

9. PLACE THE DOOR INTO THE FRAME

Hanging the doors is a two man operation. A Riser Door can weigh 40kg+. Place the door leaf onto the bottom pivot point with the nylon spacer washer and lift the door into place. Hold the top spring pivot barrel down which will pop up when it locates into its hole. Visually check the pivot barrel has located correctly by checking the access hole in the side of the door.
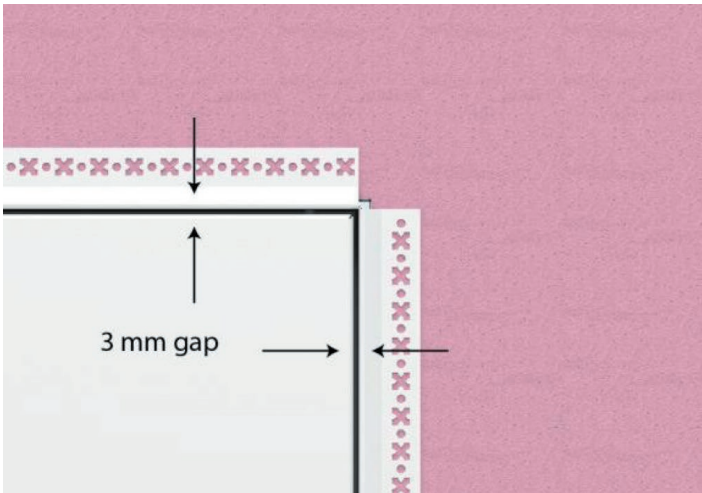
Double Riser Door

10. HOW TO INSTALL OR REMOVE THE DOORS

To remove the door unlatch the top pivot using the access point in the side of the door and lift the door off the bottom pivot.

11. CHECK THE GAPS

The top and bottom door/frame gaps should be the same as the hinge and closing edge. Move the closing edge vertically up or down to adjust the top and bottom gaps. Plastic caps installed into the bottom and head of the door will maintain a consistent gap after adjustment. If necessary, adjust the packer under the bottom pivot position.
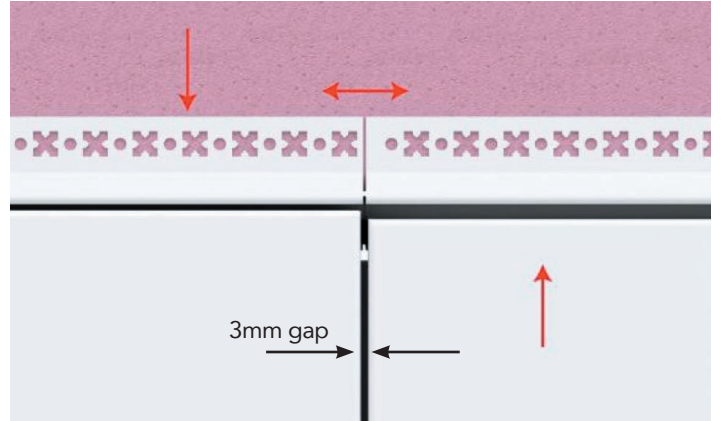
12. CHECK DOOR ALIGNMENT

Each door should be level with its pair. Joining plates can be slightly separated to open the gap between the doors. The picture shows the result of the frame fitted out of square. Correct the door adjustment by adjusting the frame.
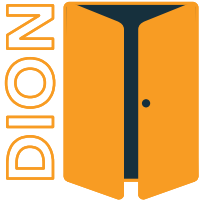

13. CHECK THE OPENING & CLOSING

The doors should now open and close without rubbing on the frame. Adjust where required.

14. COMPLETE THE FACE FIXINGS ON PLASTER STOP BEADING.

Fix through the beaded flange at 200mm centres and double fix at each corner. Use 50mm x 5mm Drywall screws. Check the opening action again. In Blockwork use a 7mm Raw Plug.

15. FINISH FIXING THE INNER FRAME POSITIONS

Internally fix the frame using the pre-punched holes in the frame edges. Use 45mm x 5mm (min) drywall fixings at 260mm centres. Use steel or non-combustible packers between the frame and opening to prevent the frame twisting. Any steel packer can be used or they are available from CISCO.

16. CHECK LOCK OPERATION

Do not lock the door before checking the operation. With the door in the open position operate the lock several times. The lock should operate smoothly without sticking. Use the adjusters to move the locking rods forwards or backwards to align the door into the frame. If the wall is not perfectly plumb the rods will slightly correct for any inconsistency.

17. ACOUSTIC & FIRESTOPPING

For small gaps less than 5mm run a bead of Nullifire FS702 Intumescent Acrylic Sealant (or alternative Certifire approved) to the frame and wall junction as shown. For larger gaps fill the gap with Rockwool and then apply the bead as above. See the separate Firestopping Data Sheet.

15. TAPE & JOINT/ PLASTER

Use scrim cloth self-adhesive tape. Plaster or tape and joint as required.

16. CERTIFIRE

DION Riser Doors are third party certified by the Certifire scheme in certain configurations and sizes. If the door has been specified and is being installed under the Certifire or other third party certification scheme please follow the scheme registration procedures.


20. LOCKING THE PASSIVE DOOR

Access the three point lock via the lock strike holes in the door edge.

MULTIPLE DOOR INSTALLATION

Multiple Doors arrive with each Door wrapped with its Frame parts and joining plates. Follow the instructions as the double Door installation. The Multiple Doors are more complex and more time should be allowed to achieve a good installation.

For technical advice, please call.

Fire Stopping Advice
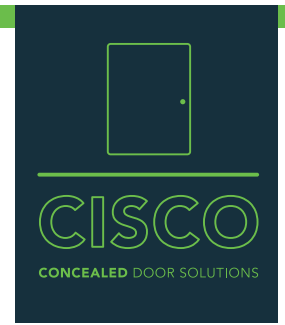
Correct fire-stopping is critical to maintain the integrity of the installation. The following recommendations are for; site guidance to correctly seal the gap between wall and Riser Door assembly.

The Riser Door assembly is delivered complete with door hung into its frame pre-fitted with all ironmongery. Both single and double doors arrive with frames factory fitted, delivered either in one piece, or two parts. Intumescent seals and draught seals are factory fitted.

CISCO measure the Riser Door to the outside of the frame. Do not measure the flange that is fixed to the face of the wall. We recommend building the aperture 10mm larger than the product ordered. For example an 1800 x 600mm product would need an aperture 1810 x 610mm. The extra 5mm to each side allows for tolerance, square and plumb of the aperture and for the product to be fitted.

In a steel stud partition the Riser Door fits against the steel stud. Apertures in Timber Stud Partitions must be lined with one layer of fire-line board for 60 minutes, two layers for 120 minutes. No intumescent mastic is required to the wall face as the integral flange wraps around the aperture opening.

Shims or Packers - steel shims CISCO can provide these.

Calcium Silicate board - Supalux or equivalent tested product.
Fire-line board - any manufacturers version of a fire rated plasterboard is acceptable.

Rockwool - minimum 45kg/m2 Rockwool or equivalent, fire-rated product may be used.

Intumescent caulking - any proprietary mastic complying with BS EN 467-20 or BS EN 1366-4 for use as a gap filling intumescent.

Fixing Screws - 60mm x 5mm for a 5mm gap. Use progressively.
Longer screws for larger gaps to ensure a solid fix into the wall.

Fire Stopping Advice

Shim
Intumescent Caulking
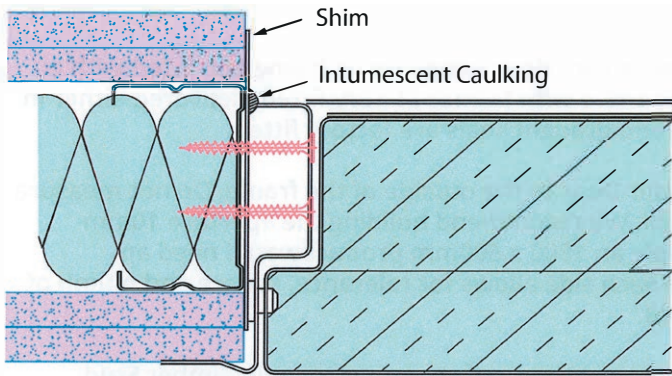
GAPS UNDER 5MM

We expect to cap or fill a gap of at least 5mm. Shim & screw fix the frame to achieve a plumb fit and run a bead of mastic into the gap between wall and frame. One screw in each pair of fixing holes may be used.

Shim
Intumescent Caulking
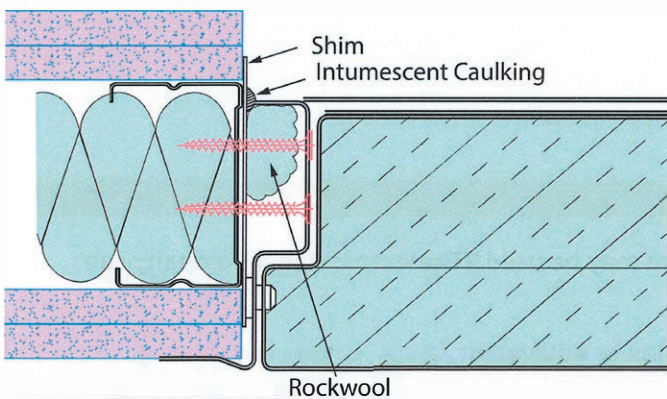
Rockwool

GAPS BETWEEN 5 & 10MM

Shim & fix as above, pack Rockwool into the gap and cap with a bead of intumescent mastic OR if possible line the aperture with 6mm Supalux and fire-stop the reduced gap as the 5mm instruction.

Supalux Board
Plasterboard
Shim
Intumescent Caulking
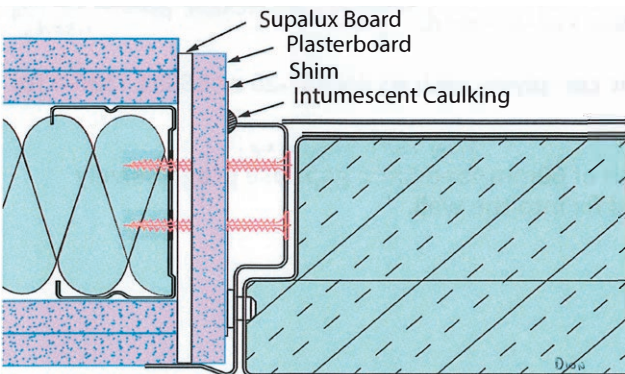
GAPS BETWEEN 10 & 20MM

Use Supalux or fire-line board to the edges of the aperture to reduce the gap.

Then follow the previous instructions with longer fixing screws depending on the gap increase. The fixing screws must be screwed into the wall stud and not just into the surrounding packing pieces.

Fire Stopping Advice

2 Layers of 15mm Plasterboard
Shim
Intumescent Caulking
Rockwool
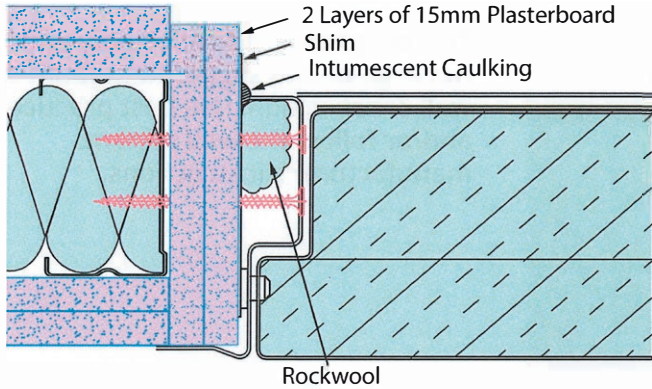
GAPS BETWEEN 20 & 30MM

As previous with two layers of 15mm fire-line plasterboard.

Intumescent Caulking
Rockwool
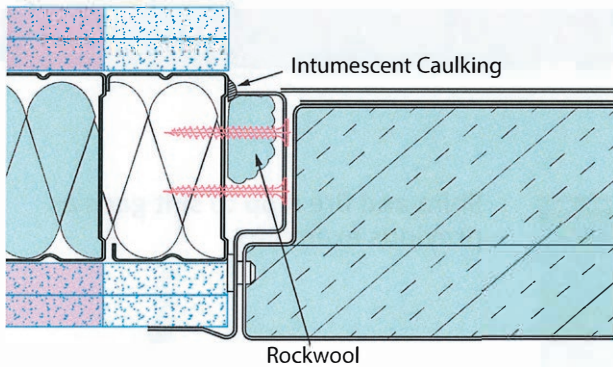
GAPS OVER 30MM

Fire-stopping Gaps over 30mm each side. At this size of gap, consideration should be given to installing further stud work to form an aperture that better fits the Riser Door ordered.
When reducing an aperture, the construction should maintain the fire intergrity of the wall.

Plasterboard Lining
Shim
Intumescent Caulking
Rockwool
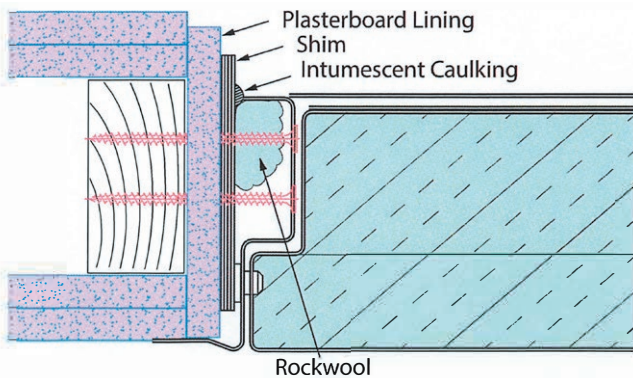
EXAMPLE OF TIMBER STUD LINING

Timber stud partition must be lined with:
1 x layer of plasterboard for 60 mins
2 x layers of plasterboard for 120 mins

Fire Stopping Advice


Concrete or Blockwork
Intumescent Caulking
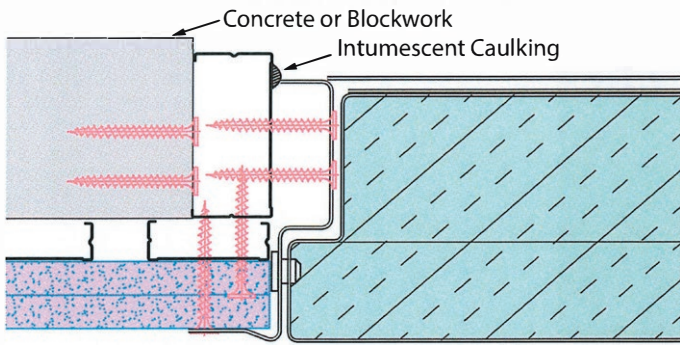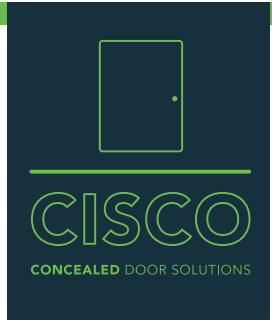
EXAMPLE OF REINFORCED CONCRETE INSTALLATION WITH DRY LINED FACE

This diagram is indicative only and not intended to suggest a method of wall construction. Use best practice and/or follow the wall systems manufacturer's instructions.

Concrete or Blockwork
Intumescent Caulking
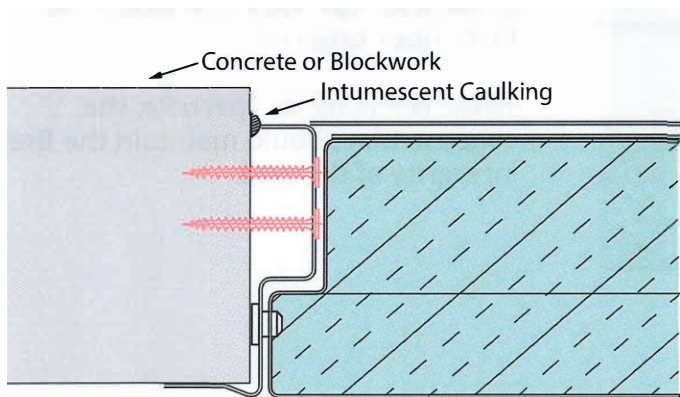
EXAMPLE OF FAIR FACED BLOCKWORK OR REINFORCED CONCRETE INSTALLATION

Shim and fire stop to suit gaps as previous examples.
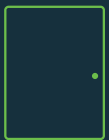
CISCO

CONCEALED DOOR SOLUTIONS

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