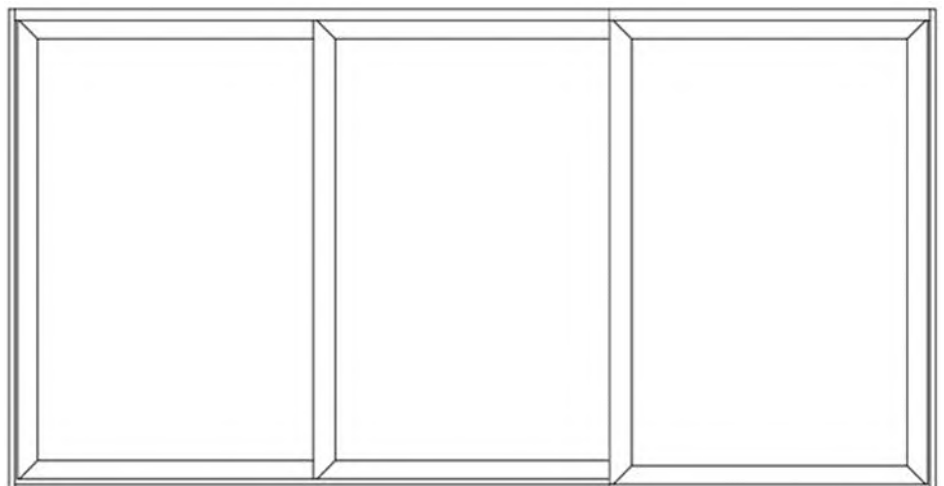
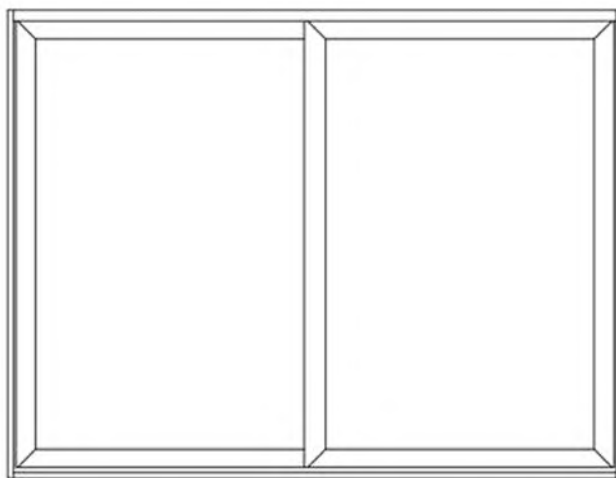


STATUS LIFT AND SLIDE

SLIDING PATIO DOOR

ASSEMBLY INSTRUCTIONS



About your lift and slide patio door set

All products must be installed in accordance with accepted good trade practice (and in accordance with supplied instructions where applicable), and maintained in accordance with these procedures or else the warranty shall be void.

The advice given in this document assumes fitting will be carried out by a qualified professional following the Code of Practice for the Survey and Installation of Windows and External door sets, where applicable.

Important Information

All of our external aluminium sliding doors and frames, glazed units and hardware components are guaranteed for a full 10 years against the occurrence of manufacturing faults and the powder coating finish is guaranteed for 15 years, all subject to correct installation, regular maintenance and care in use as detailed below.

We recommend that a competent trades person installs this product. A single person must NEVER carry out the installation, as some of the components are heavy.

Handling and Storage

Take care when unloading the products as they may have shifted during transportation. The products are heavy. Always wear gloves, use specialized equipment such as glass lifting suction cups and have at least two people to unload / carry them.

You are responsible for safe handling of the products, and for selecting appropriate handling equipment.

Conduct a thorough inspection of the product(s) immediately after receiving them, including temporarily removing any protective tape, and then reapplying before installation.

Important: All damages or missing parts must be reported within 72 hours of receipt and before commencing installation.

When storing the doors / frames and glass before installation, and once all items have been fully checked, they should be handled with care and stored in a dry, ventilated building.

Loose glass should never be placed directly onto hard floors such as concrete, but should be placed on cardboard, sheeting or wooden batons, on edge rather than flat. The glass should be stored on its edge and at a 3-6 degree angle. Glass should not be stored horizontally or on top of each other and should not come into contact with anything harder than itself.

Important: The glass must be inspected before being fitted. We cannot accept claims for any missing items, damages or scratched glass after 72 hours following delivery or after installation has begun.

Installation

This door set is designed to be installed by competent trades persons with good knowledge and previous experience of installing sliding doors. Thoroughly read and understand these instructions before you begin installation. It is presumed that the installer possesses basic skills and an understanding of door, window, wall and roof installation, and joint sealant guides.

Before commencing the installation, carry out a final check to make sure the aperture is the correct height and width to accommodate the outer frame size. The brickwork opening should be approximately 10mm greater in both height and width than the outer frame size when measuring at the tightest points.

Our aluminium doors are designed for simple on-site assembly by experienced trades persons. The outer frame needs to be securely fixed into the opening perfectly square and level on all planes. The aluminium sliding doors are bottom hung, the weight of the doors is supported via the sliding hardware and threshold.

Important: The threshold must be sufficiently packed to ensure there are no dips or rises along the full length of the bottom tracks. When fixing the frame head, ensure there is no bowing.

About your lift and slide patio door set (Cont)

Care and Maintenance

Aluminium Door and Frame Components

All our aluminium sliding door sets are supplied fully powder coated providing a high quality and durable finish, unless otherwise stated.

The profiles may have protective tape applied to interior and exterior surfaces to protect them during manufacturing and handling. Protective tape must be fully removed before or on installation. Protective tape and masking tape should not remain on exterior surfaces for an extended period of time. They will begin to fuse to the surface making the adhesive residue difficult to remove. Failure to remove tape may permanently damage the frame finish.

To maintain the external aluminium powder-coated finish, wash regularly with soapy water and then dry off with a soft lint-free cloth. As a minimum, the external surfaces must be washed at least every three months, and monthly if within five miles of the sea or in an industrial area. Our general recommendation would be to wash the external aluminium every time you clean your windows, which should normally be more regularly than the minimum requirement.

The powder coating is not guaranteed unless the doors are installed at least 800 metres away from the sea.

The threshold should be kept clear of debris and regularly cleaned to ensure the drainage channels remain clear, which can be done whilst cleaning the rest of the door set. The threshold should be stepped over when entering and leaving and not used as a step, to avoid damage to the threshold and seals.

Important: We cannot accept any claims for damages, including scratches to the powder coating and aluminium reported 72 hours following delivery, and / or after installation has commenced.

Glazing Units

To reduce carbon emissions from the home and to keep heating and cooling bills down, the government has recommended that all manufacturers use a special Low E thermal glass within the sealed units to comply with Building Regulations Part L.

This glass is coated with a special substance to comply with the above and occasionally, and in certain light conditions, may produce transient visual effects, this can sometimes look like a transparent film or haze, and make the glass appear cloudy. This is very infrequent and only affects a minority of door sets. As a company, we do have to comply with the new regulations which are for the benefit of all, and this is not a defect.

Due to demands for better thermal efficiency, it is normal for condensation to form on the outside of the glazing units, to the exterior side of the property. This demonstrates that the glass is performing as it should by reducing the transfer of heat from the internal side of the property to the external side of the property, this is not a defect. For any condensation forming to the inside of the property, this is normally due to high levels of moisture in the air and / or insufficient ventilation in the room, the moisture is then forming on the cold surface. If condensation is forming inside the glazing unit (between the panes of glass) it is likely that the glazing seal has been compromised.

Tempered glass means it has been toughened to be up to five times stronger than normal glass. It is unusual to break such strong glass, but sharp objects hitting the glass at certain points can cause breakage. Tempered glass is also known as safety glass. This means that if it breaks it will shatter into smaller fragments which are less likely to cause injury, unlike non-tempered glass which breaks into large, sharp fragments.

Laminated glass is also called safety glass and comprises of multiple layers of glass sandwiched together. Due to its high strength, this prevents the glass from breaking into large pieces. If the glass breaks, it will produce a 'spider web' effect similar to what is commonly seen in shattered car windscreens. Laminated glass will also increase the sound rating insulation.

Glass must be regularly maintained and cleaned to stop break down of the glass or seals. This can be done using a mild solution such as washing-up liquid diluted in water. Do not use abrasive cleaning solutions as this may cause scratching.

About your lift and slide patio door set (Cont)

Visual distortions caused by reflections in toughened glazing units are a natural phenomenon and not a fault.

Laminated, toughened or coated glass is acceptable if bubbles or blisters, fine scratches no more than 2.5cm long and / or minute particles are neither obtrusive or bunched. The glass used in sealed units is processed glass, therefore certain blemishes are unavoidable. More blemishes may be visible in laminated glass due to its layered construction.

For carrying out glass inspections, stand at least 3 metres away from the glazing, view at a 90 degree angle and look directly through the sealed unit(s). The glass must be viewed in natural daylight but not with the sun directly on it. Any moisture must be removed from the surface of the glass before inspecting.

Hardware Components

The exterior hardware in your sliding door set can deteriorate from everyday use, and also because of the weather and local environment. That's why regular maintenance of your door hardware is even more important if you live in severe environments like coastal / marine areas and some industrial locations.

We require that the below minimum maintenance is carried out as often as necessary to prevent deterioration. As a guideline, we recommend that this maintenance is done every three months if you live in a marine environment, or every six months if you live in a more general location, otherwise your guarantee will not be valid.

Tracks and bearings

Once your installation has been completed, and before fully operating your door set, please carefully remove any debris / swarf from the top and bottom tracks to ensure nothing comes into contact with any moving components.

After cleaning the tracks, using a microfibre cloth, apply a small amount of lubricant such as a silicone spray to the inner lip of each side of the track. Extra lubricant can be added around the bearings. Adding lubricant in this way reduces wear, improves smoothness and gives additional protection against corrosion of track and bearings.

Locks and handles

Your sliding door is opened and closed by raising and lowering the handle, and locked using the key. The lock should operate just as smooth with the access door in the open position as what it does when it is fully closed. It is important that if you feel any excessive resistance when operating the handle, you do not continue to operate the doors as this may eventually cause the lock to fail and will invalidate your guarantee.

All moving parts should be lubricated using a silicone spray. The handles should be regularly cleaned with a soft damp microfibre cloth to remove any dust or grime taking care not to scratch the surface.

If you experience problems with locking or unlocking the doors, first eliminate actual locking problems by opening the access door and pulling the handle downwards and then turning the key. If this can be done, the lock is operating normally, and the problem is likely to be due to incorrect door alignment / adjustment.

Door Operation

Sliding door sets have become more popular due to customers wanting to maximise the size of each glazed panel, giving more light and fewer interrupted views. The bigger the glass area the heavier the individual panels will be, which in turn will cause extra resistance when operating the heavier doors.

All our aluminium sliding door sets have been pre-assembled in our factory. They are installed into a steel framed testing rig where they are fully operated, including checking the doors lock and unlock smoothly. The door sets are then part dismantled, packaged up ready for dispatch and onsite assembly.

If you experience any difficulty operating your doors, including opening, closing, sliding and locking, do not continue to use your doors as this may cause further issues and damages. Please contact a member of our customer service team so we can assist you further.

Introduction to Assembly

QUICK GUIDE

How your aluminium lift and slide patio door set arrives on site can vary however in the main they will arrive as follows;

Supply Option 1 - Outer frame and doors built up, with loose glass

Supplied with the outer frame built up and the doors fully assembled within the frame, unglazed. Optional cill nose and frame head add-on will be supplied loose, and strapped to the frame pack for transportation.

Supply Option 2 - Outer frame broken down (kit form)

Supplied with the outer frame knocked down, doors separate and unglazed. Optional cill nose and frame head add-on will be supplied loose and packed with the frame pack for transportation.

Glass

The glazing units will be supplied loose, for your fitter to balance on site.

These guidelines are to ensure the safety of those handling our products, as well as ensuring they arrive to you in the best possible condition.

Our team will contact you in advance of dispatch to discuss your individual delivery arrangements.

These fitting instructions will cover the installation of both standard sized and bespoke sliding patio door sets, with sections covering assembly of frames that are supplied in kit form and built up, with doors that are unglazed, supplied with glass loose.

Important: Glass lifters / suction cups must be used during the installation of these doors (not supplied)

Contents

Please check the contents of the packages to ensure all parts are present before beginning assembly

Supply Option 1 (built up)

Doors - supplied unglazed, pre-fitted within the outer frame

Outer Frame - comprises of frame head, jambs and threshold. Supplied built-up

Glass - loose.

Head End Caps – pre-fitted

Threshold End Caps - pre-fitted

Supply Option 2 (kit form)

Doors – unglazed, supplied loose

Outer Frame - comprises of frame head, jambs and threshold. Supplied broken down

Glass - loose.

4.8 x 55mm Frame assembly screws -supplied loose

3.9 x 35mm Corner Dam screws – supplied loose

4.8 x 65mm Fixed Door screws – supplied loose

OPTIONAL EXTRAS

Cill nose – pre-fitted

Trickle Vents & Frame Head Add-On - supplied pre-fitted to the frame head add-on which is packed loose /strapped to the frame head.

3.9 x 38mm Frame add-on assembly screws – supplied loose

Installation Kit (Optional extra)

Qty 1 – 6.5 x 210mm SDS Masonry Bit

Qty 1 – 6.5 x 101mm HSS Bit

Qty 30 – 7.5 x 90mm TX Direct Frame Fixings

Qty 1 – Torx 30 Driver Bit

Bag of packers

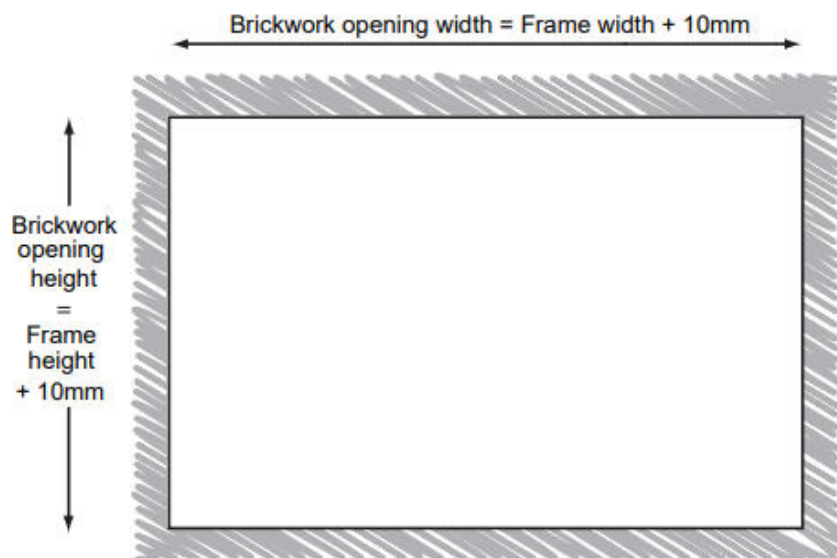
Clear Silicone

Important: The assembly and installation method as detailed in this manual is based on the purchase and use of the optional fitting kit. If you have not chosen to purchase a fitting kit, please ensure you use appropriate fixings suitable for external door and window installations.

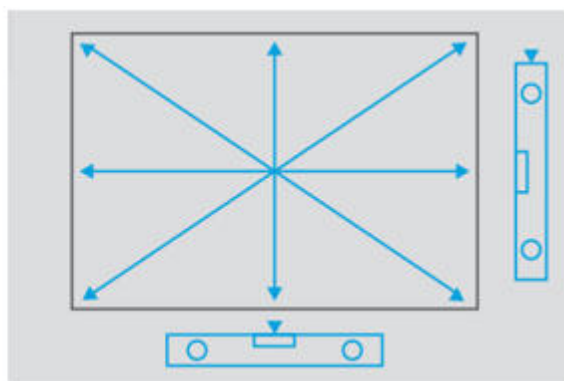
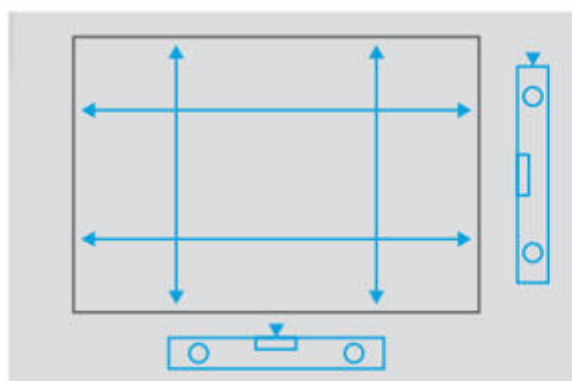
Preparing the site

Brickwork opening:

When preparing the site please prepare the brickwork opening to be 10mm more in height and width than the outside assembled frame size of the door frame.



It is essential that all 4 internal surfaces of the brickwork be levelled before installation. Please ensure that all dimensions are correct for installation before proceeding, as the outer frame must be installed square and level into the opening.



Check the aperture to make sure there is no loose plaster or brickwork, and that it is free of any debris or brick dust. Ensure that a solid, level base is present at the required dimensions and can provide packing points at 250mm centres and fixing points at 600mm centres. Ensure floor levels do not obstruct door operation or impede drainage.

Example sizes:

Outer Frame:

1790mm w x 2090mm H
2090mm W x 2090mm H
2390mm W x 2090mm H
2690mm W x 2090mm H
2990mm W x 2090mm H
3590mm W x 2090mm H
3990mm W x 2090mm H
4490mm W x 2090mm H
4990mm W x 2090mm H
5990mm W x 2090mm H

Brickwork Opening:

1800mm W x 2100mm H
2100mm W x 2100mm H
2400mm W x 2100mm H
2700mm W x 2100mm H
3000mm W x 2100mm H
3600mm W x 2100mm H
4000mm W x 2100mm H
4500mm W x 2100mm H
5000mm W x 2100mm H
6000mm W x 2100mm H

The brickwork opening is classed as a finished opening size, so it is important you have allowed for any additional plaster work, trims, architraves, etc.

Finishing around the frame is a personal preference and should be decided between yourself and the installer.

Insulated cavity closer's may be required.

Assembling the frame (supply option 2)

If your frame has been supplied built up (supply option 1), once the frame head and threshold end caps have been fitted, please refer to sections 'Frame Head Add-on – Trickle vents' and 'Installing the assembled frame'.

Lay all 4 pcs of the frame on top of cardboard or similar protective covering to prevent damage to the aluminium.

Identify the frame head, left and right-hand jambs and bottom threshold, and cill end caps.

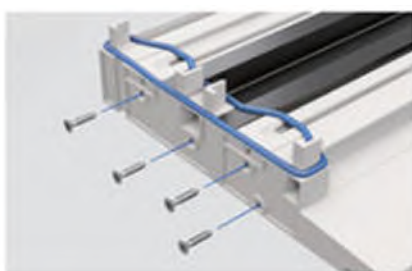
Please note: All touching faces should be silicone sealed.

Starting with the bottom threshold, run a continuous bead of silicone sealant around the joint between the cut frame and the end cap moulding, not blocking the drainage holes.

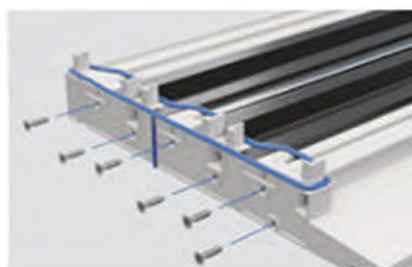
Secure the end caps to the threshold using 4.3 x 13mm screws. Run a continuous bead of silicone around the joint before fixing to the frame jamb(s).

Fit the threshold to the jambs using 4.8 x 55mm screws

(Double track slider examples)



(Triple Track slider examples)



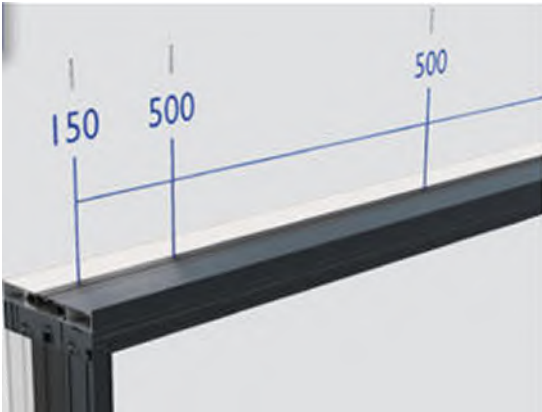
Repeat this process for fixing the frame head end caps and fixing the head to the jambs.

Frame Head Add-on – Trickle Vents (optional)

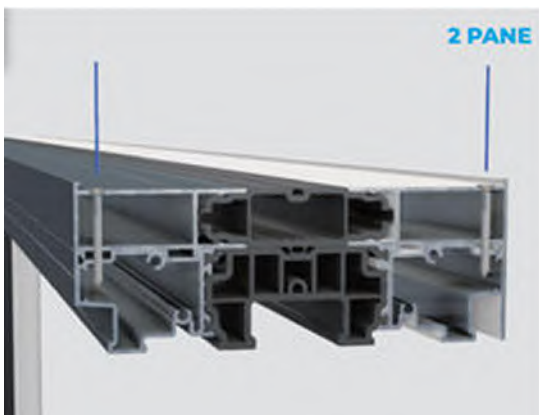
Skip this step if you have not ordered Trickle Vents.

If you have chosen to add trickle ventilation to your sliding door, these are supplied in an aluminium add-on which sits on top of the frame head. The add-on will be supplied loose when it arrives to you, and will require screwing to the frame head. The trickle vents will be attached to the add-on and the ventilation holes pre-machined.

Fix frame extender 150mm from ends and max 500mm between centres using 3.9 x 38mm countersunk screws.



Fix as below to ensure the screws will not break through into the patio track.



Installing the assembled frame

Before lifting the assembled frame into the opening, clear the aperture of any dirt / debris, ensuring you have a clean level surface to fix to.

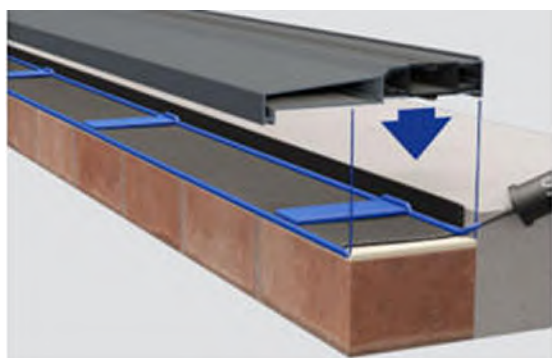
Ensure you have the correct structural damp proof course in place.

Important: During the installation, repeatedly check the alignment and squareness of the outer frame. Measure the distance across diagonally to check squareness. Without these checks the installation may be unsatisfactory, causing damage to the doors and / or incorrect operation.

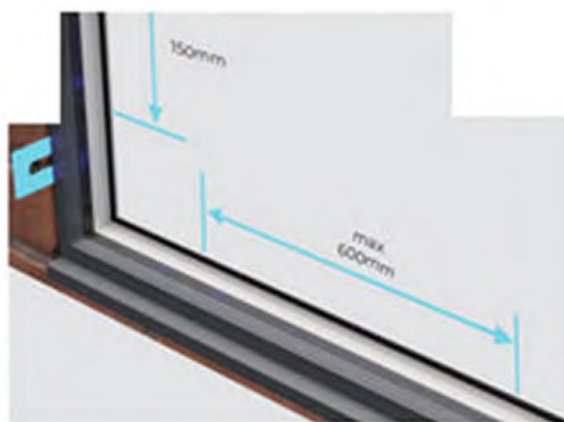
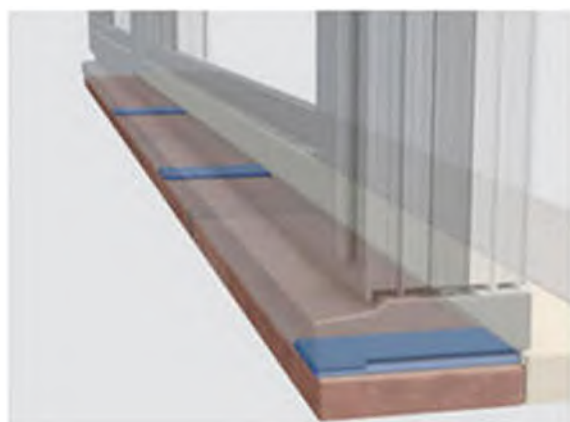
If you have selected a drip cill, ensure the nose is clipped onto the threshold.

Temporarily lift the frame into the opening and check the bottom of the frame is sitting perfectly level, support packing accordingly.

Remove the frame and create a bed of silicone or mortar for the frame to sit on the lift the frame into the opening ready for securing to the brick work. Ensure the frame is level and sufficiently packed to support the sliding door set along its full width, silicone any packers in place. If the surface is uneven then a mortar bed may be necessary. If a mortar bed is not required, then seal along edge using silicone sealant as shown below.

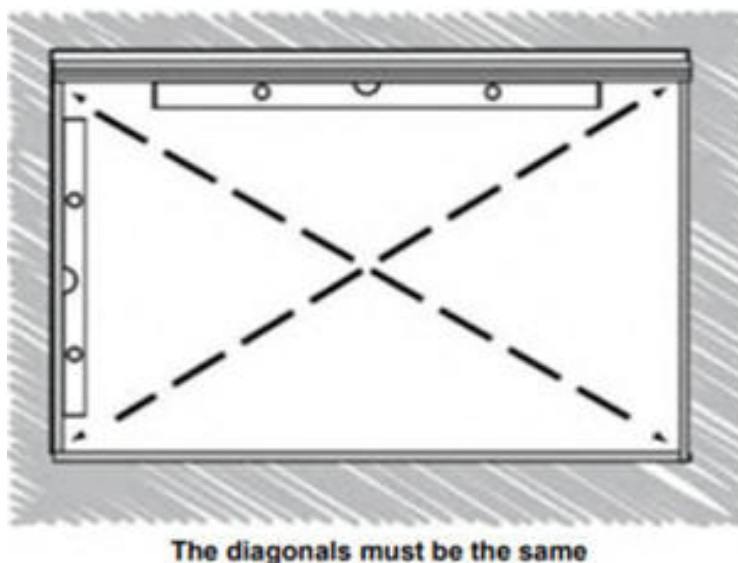


Pack around the frame ensuring it is square and level, maintaining a 5mm gap all the way around. Pack either side of where each fixing point will be located. Air wedges can also be used to help temporarily secure the frame and level into the opening.



Installing the assembled frame (Cont)

Do not proceed with the fixing of the frame unless you are 100% confident the frame is in upright, plumb, square and level on every plane.



Use a 1.8m level or preferably a laser level to ensure the bottom threshold and frame is perfectly level on all planes.

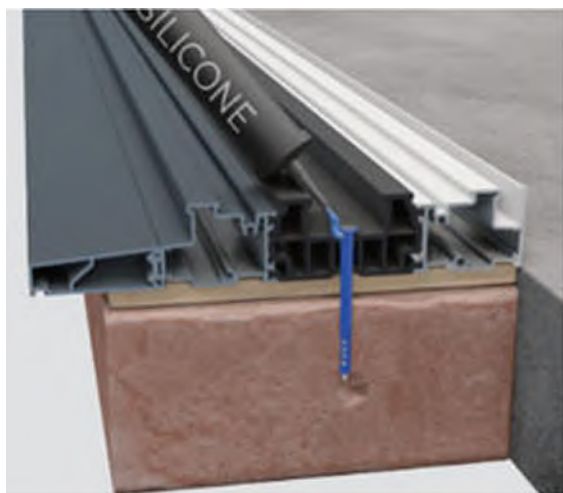
For Supply Option 1 (built up frames), See section 'Hanging the doors' and reverse this process to gain access to the fixing's points in the frame.

Remove any temporary fitted frame / track covers to allow access to the fixing point. Place them to one side taking note of the original location.

Once you have positioned the frame and made sure it is sitting perfectly level, drill and fix through the thermal break as shown below.

Important: Ensure the fixings are silicone dipped to prevent any water ingress.

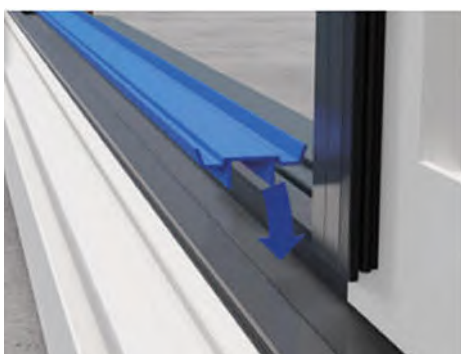
Using a 6.5 x 100mm SDS drill bit, pilot holes all the way around the frame and then use a 6.5 x 210mm Masonry drill bit to drill holes into the brickwork. Fix 150mm from each end, and no more than 600mm between centres using 90mm direct frame fixings and a TX30 drill bit. Silicone seal the bottom fixing locations



Repeat the process of fixing through the thermal break in the frame head and jambs.

Hanging the doors

Inset the fixed door from the outside, starting at the opposite end to its finished position, the fixed door will locate onto the outer track and the moving door to the inner track unless otherwise specified. Insert the head first and then locate the door onto the bottom track as per blue arrows, then slide across into position over the sash locator as per red arrow. The glazing beads will be to the inside of the doors.



Fit the drainage cover into the drainage channel on the fixed sash side.



Fix 100mm from the corners at not greater than 1000mm centres using 4.8 x 65mm screws.

Fit the fixed sash corner dams (silicone behind before fitting) using a 3.9 x 35mm screw. Repeat top and bottom.

Please note: If using a 52mm mullion, the tab indicator should be removed as shown below.



Hanging the doors (Cont)

The sliding sash can now be lifted under the frame head and located onto the track. Ensure the glazing beads are to the inside.



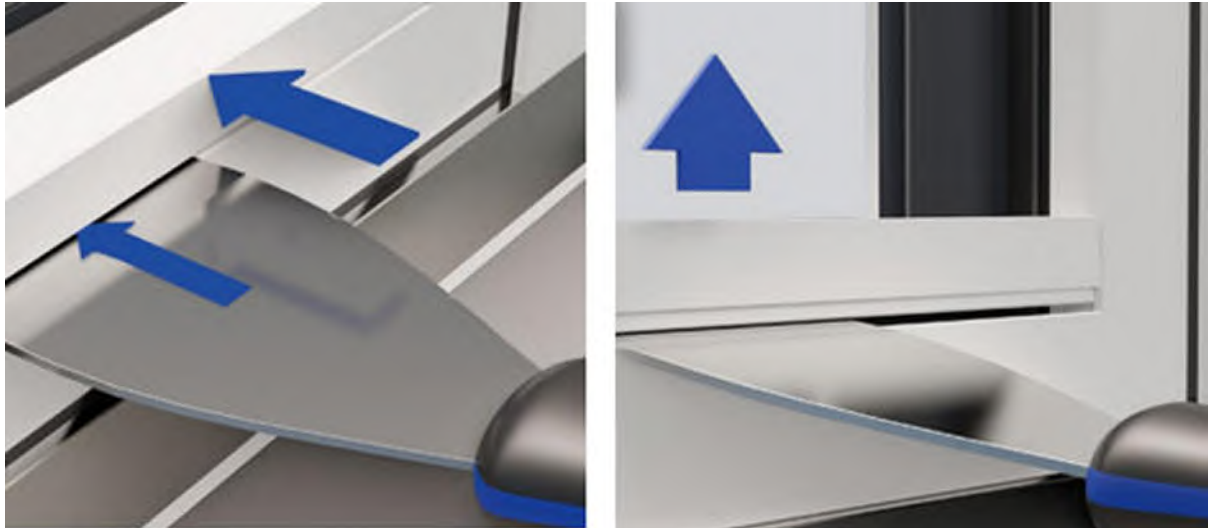
Glazing the doors (supply options 1 & 2)

Before glazing the doors, check they are operating correctly.

Do not proceed with glazing the doors if you are not experienced with this process.

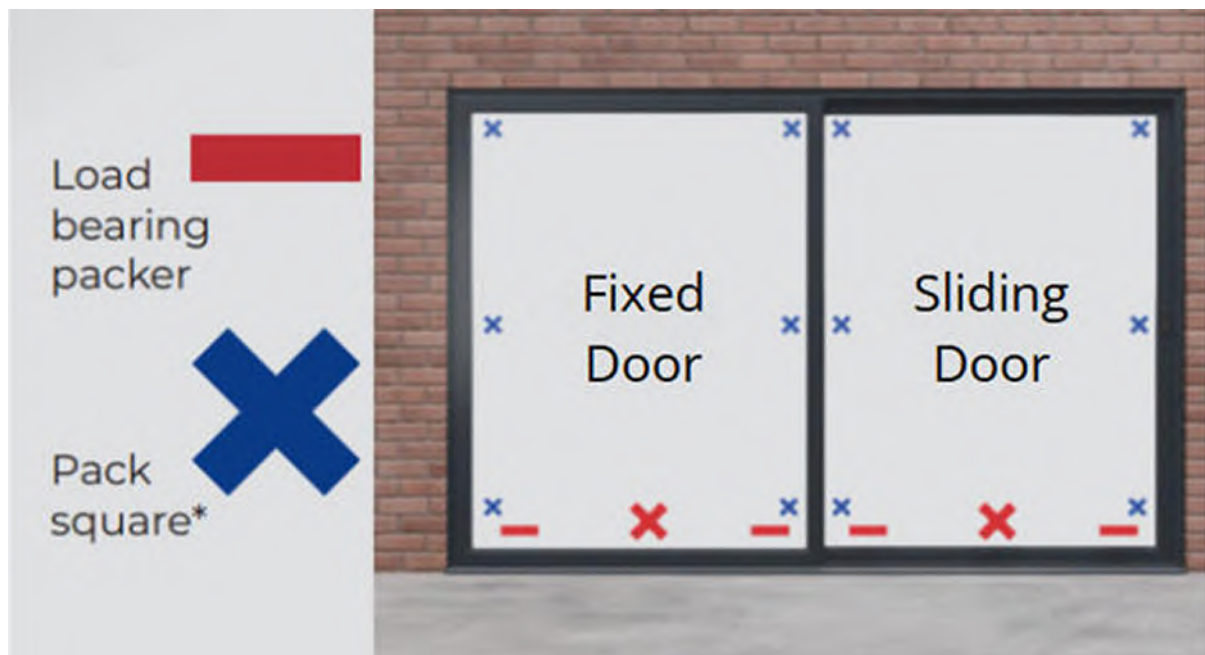
Remove beads carefully and place them to one side.

Important: The glazing beads must be returned to their original positions and in the correct order, so make so make sure you take note of their original location.



Start by glazing the fixed door.

Install the glazed unit and pack using 3-4mm glazing packers (sizes may vary due to glass and door manufacturing tolerances). **Important:** Fit the glazed unit into the doors and pack / toe & heel in the appropriate places using glazing packers. The incorrect balancing of the glass will affect the door operation.



Glazing the doors (Cont)

*Additional packers may be required on taller doors where there is an additional locking point.

Re-fit the glazing beads.

We advise spraying the units with a mild soap/water mixture or glass cleaner to make beading easier. Ensure you have toe & heeled/packed the units correctly.

Fit the top bead in place to secure the glazing unit (rotating the beads until they clip in to place as shown below) and then fit the bottom bead.

Next, fit the two vertical beads, being careful not to scratch the painted profile while fitting. Finally run your finger along the gasket edge to check they have seated correctly, adjusting if required.



Repeat this process for glazing the sliding door.

Re-fit any frame / track covers back in their original location(s).

Once the doors have been fully glazed check they are operating correctly.

Patio Operation



VENTILATION

Open door lift handle in any position for none secure ventilation.

GENERAL OPERATION

Rotate handle until it points downwards. The door can now be slid open or closed.

Lock keep adjustment

The lock keep should be set at nominal with the two lines matching. Adjustment can be made using a T25 screw driver.

3mm adjustment is available by turning the faceplate through 180 degrees.

The keeps can also be adjusted in and out. Use a T25 screwdriver to adjust +/- 2.5mm.



External finishing

Once you are satisfied with the correct installation of the frame and door operation, break off any protruding packers where necessary.

Remove any remaining temporary protective tape from all profiles. Clean down the aluminium and glass with warm, soapy water.

Expanding foam can be used to fill any large apertures around the frame. Be careful not to overfill. Trim or silicone around outer frame and seal below external cill if applicable.

Re- check the door for correct function and instruct the homeowner on their correct operation.