

# PVCu SLIDING DOOR

## INSTALLATION GUIDE



**BIFOLD  
SALES**

PART OF THE **PBSL GROUP**

# WELCOME TO OUR SLIDING DOOR INSTALLATION GUIDE



**LOW MAINTENANCE**



**10-YEAR GUARANTEE**



**1.6W/M2K U VALUE**



**LOW E TOUGHENED DOUBLE GLAZING**



**HIGH SECURITY MULTI-POINT LOCKING SYSTEM**

The PVCu sliding doors boast Liniar's patented ModLok modular locking mechanism, which is built into their frame, delivering unrivalled strength. The system includes eight mushroom head locking points built within an aluminium box-section, offering extra rigidity & strength. They also have a PAS 24 security rate, meaning that you do not have to worry about break-ins.

Low E Toughened Double Glazing  
1.6W/m2K U Value

The ultra slim sightlines designed into Liniar patio doors, along with the built-in decelerators makes it one of the most attractive sliding doors on the market.

Liniar's unique air-glide system uses an 8 wheel acetal system for smooth & silent operation

Patented ModLok™, a combined steel reinforcement & multipoint locking system, provides strength & an unrivalled appearance.

Liniar's patented bubble gasket is co-extruded as part of the manufacturing process, meaning a continuous seal is made all the way round, eliminating draughts & providing resistance to water.



Whether you are searching for a brand-new patio door to improve access to your garden, or you require a new replacement door, you'll be surprised how distinctive our PVCu sliding door line is compared to others on the market.

## KEY POINTS

- 1 Sculptured multi-chamber EnergyPlus profile.
- 2 BSEN12150 & BSEN1279 Compliant
- 3 Unlike traditional sliding doors, which have a four-wheel mechanism, our doors have an eight-wheel system that offers a smooth 'air glide' without making any noise

# SITE SURVEY



## Assess the aperture for suitability:

We recommend a surveyor check for any defects & deficiencies around the structural opening. If any issues are found, then the purchaser should be notified, & an agreement reached as to who is responsible for rectifying these issues prior to the new sliding door being installed.



**Measuring the aperture:** Generally we recommend three measurements are taken. Width & height in three places, the smallest measurement of width & of height, minus 10mm allowance is used to determine the required frame size. The squareness of the aperture determined by, for example, taking diagonal measurements.



**Structural loading requirements:** A surveyor should take reasonable steps to check that there is a lintel or other means of supporting the structure above the sliding door. Where no such support exists & the load is supported by any existing fenestration, then alternative means of providing this support must be provided.



**Final Checks:** We recommend a surveyor should determine whether the sliding doors are suitable for the location they are to be installed. Where any doubts exist, the manufacturer should be consulted.

## Important.

All Installations must comply with all elements of BS8213-4 Code of Practice for the survey & installation of windows & external doorsets.

**To ensure the correct functioning of Liniar patio doors, it is imperative that the instructions in this guide are followed, in the correct order.**



# BEFORE YOU START

- 1** We recommend you do not book any contractors before your Sliding Door is delivered.
- 2** Check the Sliding Door fits the aperture prior to commencing any works.
- 3** All information supplied by the surveyor should be given to your chosen installer.
- 4** Ensure all relevant tools & equipment are available prior to the start of any work.



## Tools

Angle Grinder & Drill / Drill Driver  
Drill & Driver bits  
Tape Measure & Set Square  
Stringline & Spirit level  
Gasket sheers & Glazing shovel  
Sealant gun  
Pencil  
Mallet

## Planning Permission:

Attention must be paid to the legal requirement to identify the need for any planning permission, e.g. for listed buildings or conservation areas.

## Risk Assessment:

A risk assessment is advised for the suitability of the sliding door design. The responsibility for this lies with the designer, & it should be carried out by a competent person (commonly the surveyor).

## The Property

- 5** Existing fenestration should be removed with care to avoid damage.
- 6** Check there is a lintel or other means of supporting the structure above the sliding door.
- 7** **Bifold Sales** is not responsible for the installation, any damage caused or for removal of any waste from site.

## Safety

Personal protection equipment (PPE) should be worn at all times when installing PVCu sliding doors. We recommend to wear gloves, protective eye wear, & a dust mask.

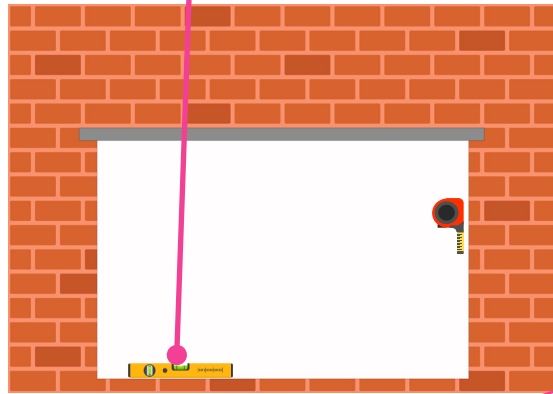




**STEP 1** Use a spirit level & a string line to assess the level of the threshold you are working from.

**STEP 2** Temporarily place the required packers on the threshold & dry fit the cill. This will help to assess the finished level of the cill.

**STEP 3** Once level, double check that the door will still have enough clearance on height when it is installed. Before fixing the cill to the brick threshold, it must be supported along its full length. Use a bed of mortar along the full cill length between the required packers.

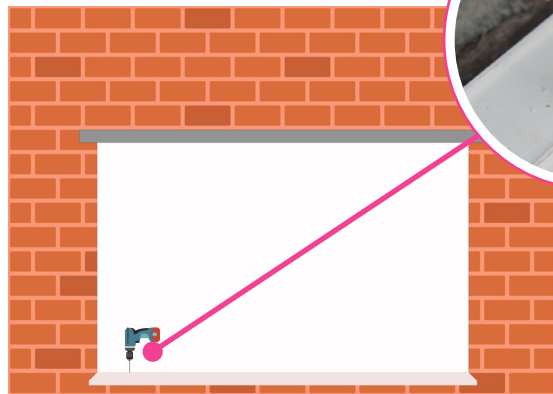


- Prepare the aperture by making sure it is clean- remove any old silicone & brush down the threshold.



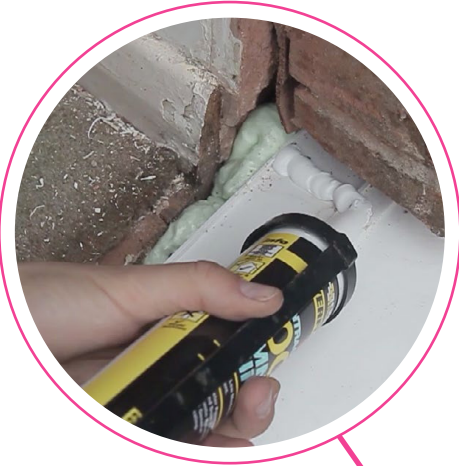
**STEP 4** Install the cill in place & tap down onto the packers gently using a plastic mallet.

- Check the level again. Fix the cill using Spax bolts or equivalent, at 600mm centres. Do not over-tighten, this causes distortion. Check the level & bow at each step of the process.



**STEP 5** Ensure that all the threshold & drainage cover trims have been removed from the frame.





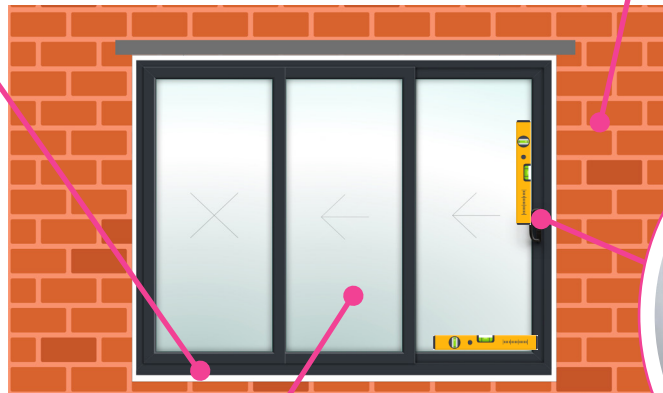
**STEP 6** Run a bead of silicone along the outer edges of each side of the sill.

Cover the top of any fixings in the sill with silicone to avoid any water ingress.



**STEP 8** To hold the door in place temporarily whilst you level it, loosely pack out the jambs. Keep checking they are level as you go along, as this will help to avoid any potential issues in later steps.

There should be no twist or distortion in the jambs & they should be plumb.



**STEP 9** With the packers in place, fix both outer jambs in place with appropriate fixings.

Fixings should be no closer than 150mm from corners & at 600mm maximum centres, with a minimum of 3 fixings per side.

A shield must be used to prevent damage from drills & screwdrivers.

**STEP 7** Lift the sliding door into position in the opening. Hold the door in place temporarily whilst you level it,.



- Packers must be used at either side of each fixing to help prevent distortion. Continue to check for any bows, as well as for plumbness & squareness.



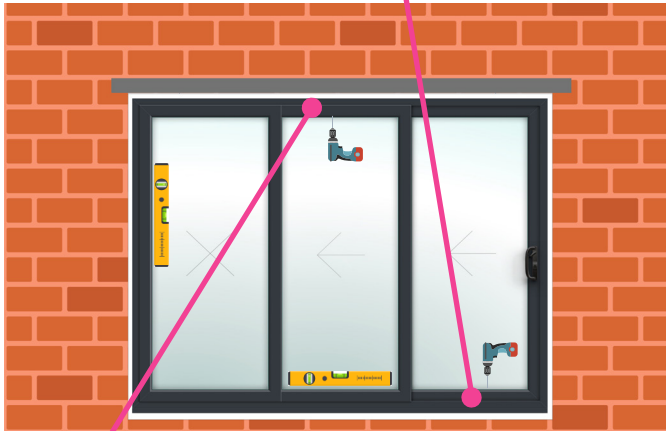
**STEP 9** Align the threshold against the cill & fix into place. Use appropriate fixings to secure down through the centre channel of the PVCu outer frame. Use silicone in conjunction with each fixing.

- Make sure the screws are fully fixed so that they do not interfere with the refitting of the threshold cover.



**STEP 11** Before glazing, remove all beads from the sliding sash, taking care to note where the beads are removed from.

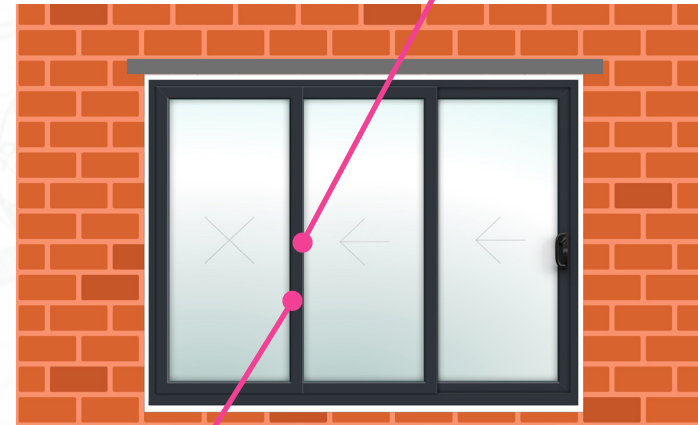
Fit the Liniar glazing platforms in preparation for glazing.



**STEP 10** Pack the head parallel to the cill. A timber lat can be used to help ensure it is parallel.

Fix the head into place, completing the outer frame installation. Perform a final check of the doors level, plumb & squareness again.

Cover the top of any fixings in the cill with silicone to avoid any water ingress.



**STEP 12** Add silicone between each vertical packer set to help keep them in place & ensure that all packers do not obstruct any drainage holes.



**STEP 13** Before glazing, it is recommended to remove the door handle using a 4mm allen key.

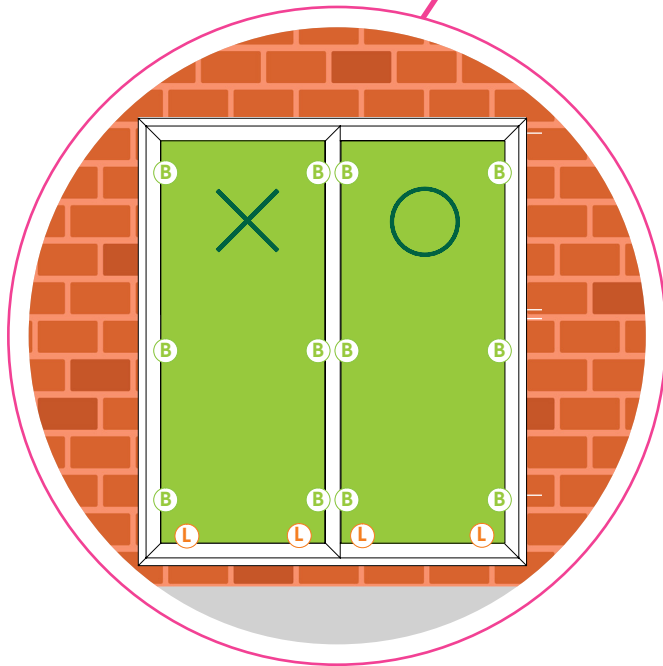
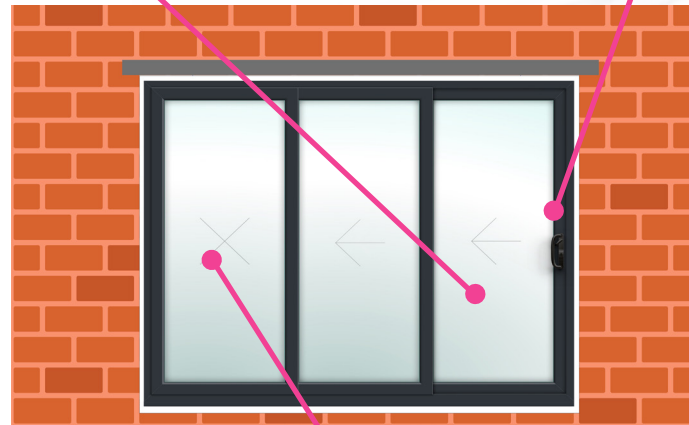
Fit the glass onto the Liniar glazing platforms from the inside, & pack it appropriately.

**L** - Liniar load bearing be used to keep door

**B** - Bracing platforms to prevent movement & provide rigidity to the door



**STEP 14** Once the glass is in place, the beading can be replaced, starting with the shortest piece first. Use a plastic mallet to tap each piece into place. We recommend starting in the corners, & working towards the middle



**STEP 15** Repeat the glazing process for the fixed sash/es.

Replace the handle along with the threshold cover & drainage cover trims.





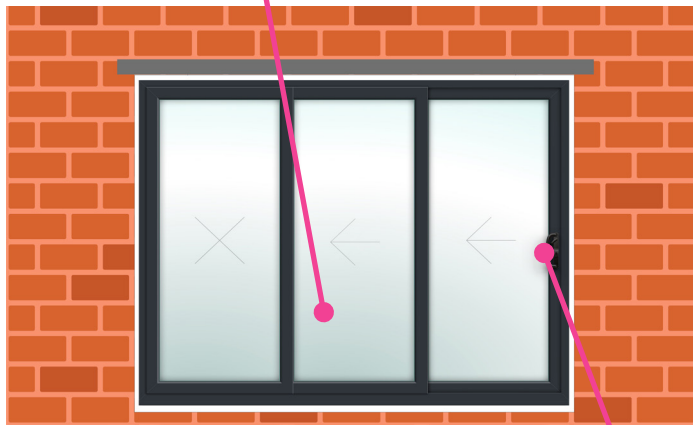


**STEP 16** Check the finished doors to make sure the operation is perfect. The rolling mechanism should be smooth, & all the seals should be weather tight. Make any final adjustments as necessary.



**STEP 18** Ensure all dust & grit is removed from the external surfaces then apply a strip of masking tape to the frame perimeter. Apply a smooth bead of silicone sealant between the frame & brickwork. Remove the masking tape before the sealant sets for a neat, clean finish.

- Don't forget to seal below the external cill.



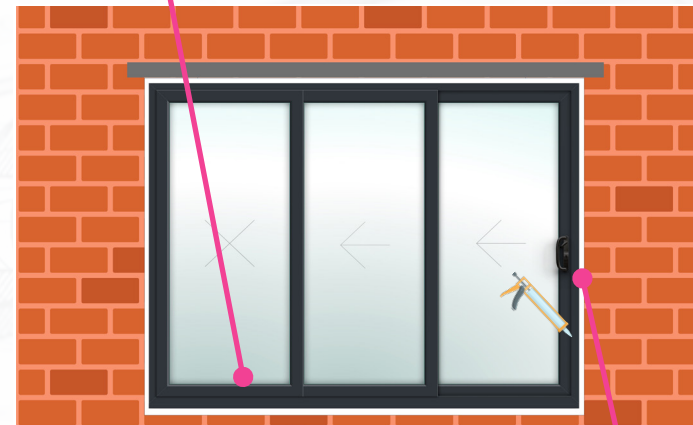
**STEP 17** If the sliding door requires adjustment, this is performed at either corner of the bottom sash by adjusting the wheels with a 4mm allen key. These must be adjusted equally so that the door is parallel with the jam.

**Turn allen key:**

Clockwise = Lift door

Anti-Clockwise = Lower door

Doors are supplied at the lowest position setting & should only require a clockwise adjustment if applicable to raise the door.



**STEP 19** Remove any protective films from the sliding door.

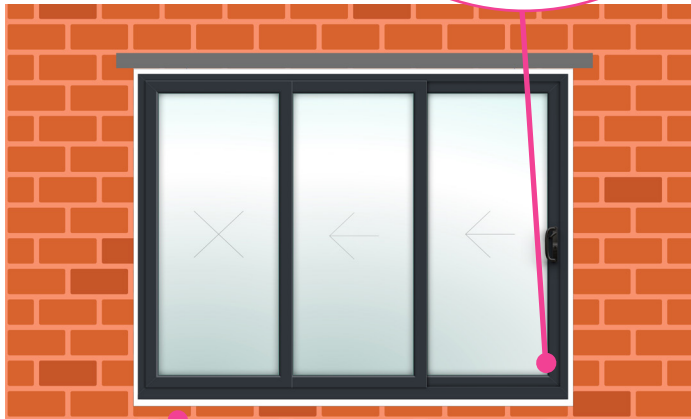
Make good the internal reveals.



**STEP 20** Final checks.

Check that the handles & locking mechanisms operate smoothly. Check the action is smooth & free running. Check that the locks operate correctly when closed.

- If necessary, the shootbolt can be adjusted by reinstalling with either the round or elongated hole facing towards the jamb.



**STEP 21** The rolling mechanism won't work smoothly if there is any debris in the door track, so make sure you clean it properly with a soft brush.

**STEP 22** The installation is now complete.....

**STEP 23** Get the kettle on!

Product specification is subject to change without notification.

Please note that colours shown are for illustrative purposes only.

Whilst every effort is taken to avoid errors, PBSL Group cannot accept responsibility for the accuracy of any statement, extract or information contained within this guide.

PBSL Group may change or update this guide without prior notice.



**ALSO AVAILABLE  
FROM**

**BIFOLD  
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uPVC French Doors are a great choice if you are looking to maximise the amount of natural light in your home and unify your indoor space with your outdoor space. With large glass panelling and high-quality uPVC frames, these double-glazed French Doors will give a traditional and classic look to any property.



Aluminium bifold doors are a great addition to a property. With a clean, modern appearance and great thermal efficiency, aluminium bifolds can maximise the light that enters your home and unify your indoor and outdoor spaces.



At Bifold Sales we supply a range of aluminium sliding doors, created with innovative technology and engineering to result in a modern appearance and slim sightlines.



uPVC bifold doors boast a multi-panelled door design that folds smoothly away to free up 90% of the entrance aperture. Providing a contemporary finish that is sure to modernise your home, these bifold patio doors will allow you to experience unrivalled levels of accessibility and space.



As one of the world's fastest-growing suppliers of roof windows, Fakro roof windows combine utility, energy efficiency, and security without sacrificing aesthetic, and we're proud to be able to supply such high-quality products at Bifold Sales.



Aluminium French Doors are the perfect choice for a modern property. Offering superb thermal efficiency and a sleek and clean appearance, Aluminium French Doors are perfect if you are looking to maximise your indoor space and bring it together with your outdoor space.



FAKRO flat roof window frames are constructed by using a reinforced multi-chamber PVC profile. The materials are resistant to acids and have a low moisture absorption rate, making them suitable for installation in any room.