

so you think all window companies are the same... **think again!**

sternfenster

windowsystems

uPVC Window Installation Guide

A clear, practical guide that allows you to install our high quality uPVC windows with ease.



1

- Before starting, carefully check the new frame measurements are correct against the survey size and the actual aperture sizes. The new frame should be at least 10mm smaller than the opening to allow for expansion.
- Also, check the new frame and glass to ensure that there are no obvious quality issues.



2

- Using a sharp blade, break both the internal and external seals between the old frame and the building. If possible carefully remove any visible fixings before removing the frame, taking care not to damage the surrounding.
- Once removed, clear away any debris and old sealant from the opening.



3

- Prepare the external cill by cutting it to size, this can be a straight cut or rebated if being fitted with projecting horns.
- Secure the cill end caps in place with a strong adhesive, e.g. super glue.



4

- Carefully silicone along the cill up-stand and at both ends, this is to prevent water and air leaks occurring between the cill, frame and surroundings.



5

- Turn the frame over and secure the cill to the frame using the appropriate PVC screws. Fit the window handles.



6

- Offer up the new frame and cill into the opening, using plastic packers ensure the frame is level and plumb whilst making sure that you maintain an equal expansion gap around the frame.



7

**APPROX. 150MM
APPROX. 600MM**

- The frame is ready to be secured in place, fixings should be located approximately 150 in from each corner and then spaced at 600mm intervals, do not fix within 150mm of any mullions or transoms.
- Ideally you should use at least 2 fixings per side.



8

- Using suitable uPVC fixings secure through the frame into the building. It is important to use plastic packers between the frame and the building at all fixings points to ensure that the frame is not distorted when tightening the screws.

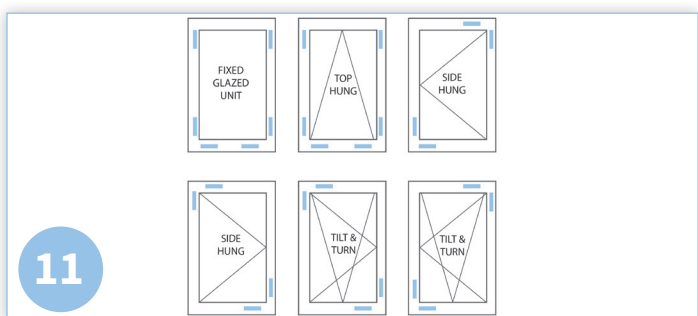
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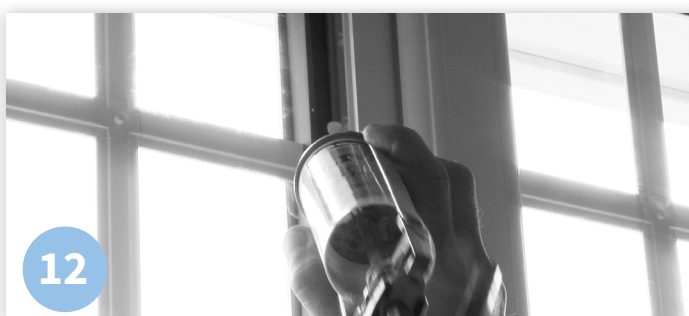
- Once in position, clean away any dust or dirt before removing the internal glazing beads, ensure that you don't mix these up as they need to go back in the same positions on the frame.
- Place bridging packers both sides of the bottom corner on the hinge side. Then bridge both sides of the top corner on the handle side.



- Offer up the glass and rest it on the bridging packers, this will ensure that the glass is raised above the internal drainage channels.
- Insert plastic glass packers in between the edge of the glass and the bridging packers, this secures the glass in position and squares up the glass in the frames.



- Ensure that you follow these guidelines for 'toe and heeling' the glass otherwise you could have operational issues when opening and closing any sashes. If you find the sash is catching at the bottom when used you will need to insert more glass packers in the top corner of the handle side, this will push the sash up.



- Once you are happy with the position of the glass packers and the glass sits square in the frame, test to make sure the sashes open and close correctly. Then, apply silicone either side of the packers to help keep them in place.



- Now refit the beads in the same position as you removed them, start with the smallest lengths first before inserting the longer lengths. Use a rubber mallet/hammer to help tap the beads into position, focus on the edge where the bead meets the frame.



- Break off any excess packers with a chisel before cleaning the frame and glass down. Seal inside and out with a silicone seal.
- We recommend applying masking tape to the frame so that you get a neat finish. It is imperative to also seal along the underside of the external cill. Finally, fit any trickle vents.

Watch the full installation of this window, as well as many more products, at
www.sternfenster.com/videos

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