

Direct fix joinery installation - critical requirements

The Direct Fix joinery installation process provided as an Acceptable Solution in Building Code Clause E2/AS1 (External Moisture) Amendment 7 requires several critical steps – some of which are illustrated below. Please refer to the Acceptable Solution for full details. The current WANZ Guide to Window Installation also describes all the necessary steps and can be a great help in preventing issues. Available from the WANZ website.

1

Select a full width sill support angle to suit the cladding type.

- minimum 3mm thickness
- minimum 50mm vertical leg
- support depth to suit cladding
- 10g x 75mm SS fixings
- Min. 300mm fixing centre

Fig.1

5

Use 12mm nominal packers to support the fixings behind the sill pan.

Fig.1

actual packer height will be site specific, and should be accurately measured for each project.

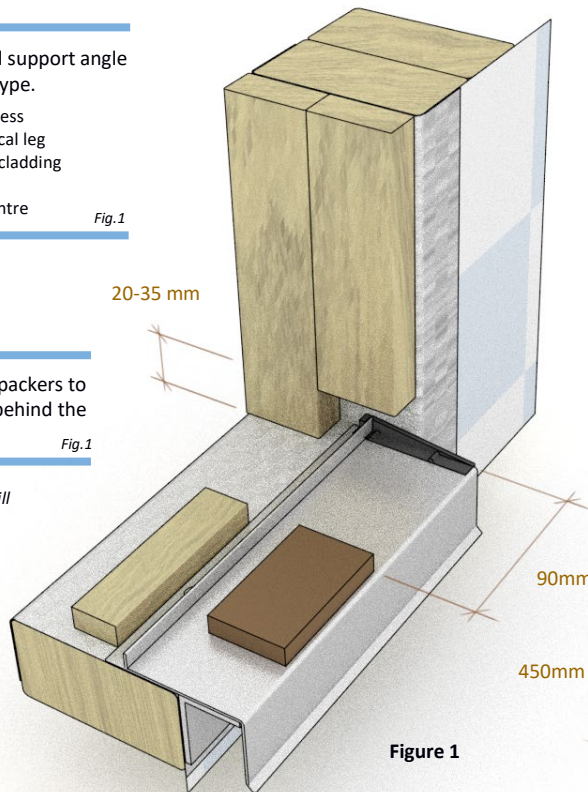


Figure 1

2

Fix sill pan behind the upstand using 8g SS screws.

- 150mm from corners
- 450mm centres thereafter

Fig.1

3

Fit two 20mm nominal x 45mm min vertical battens of B2/AS1 compliant timber onto the taped opening. The batten fitted behind the sill pan runs full height. It is good practice to bed this batten on sealant. The batten fitted inline with the sill pan is cut 20-35mm short.

Fig.1

4

Place 10mm support blocks at the front of the sill pan approx 90mm from the framed opening/ cut end of sill the pan.

Fig.1

6

Further packers required on the sill pan at mullion points also.

Before placing these packers it is recommended to inspect the window unit to identify the locations of all support blocks, under the frame.

Support blocks & packers are critical to ensure the window load is transferred onto the sill framing.

If these support blocks & packers are not in position, the unit will sag and create failure points in the joinery.

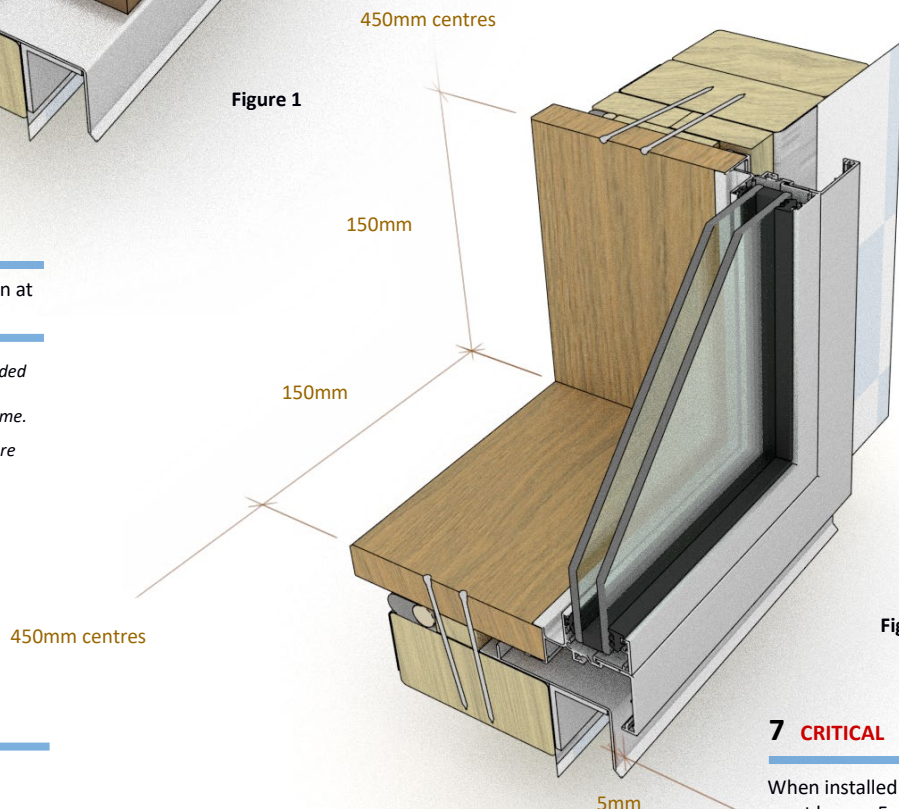


Figure 2

8

Fixings to be min 2 x 75mm jolt head nail or 8g x 65mm SS screw.

- 150mm from corners
- 450mm centres thereafter

Each fixing point to be packed.

Fig.2

7 CRITICAL

When installed the unit must have a 5mm gap between the sill pan and window flange.

Fig.2

Failure to leave the 5mm gap stops water draining from the sill pan adequately and can create failures due to lack of air flow around trim cavity.