


* This document must be used in conjunction with E2/AS1 and WANZ Guide to E2


Cavity Construction Aluminium Joinery Installation



Step 1
Cut building wrap @ 45° from each corner.

NB: These 2 steps ensure only a minimal amount of timber is left exposed at the corners

Step 2
Staple building wrap at edge of sill trim.



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Step 3
Prepare the corners for sill tapes.

NB: There is no specific product recommended.
The Thermakraft, Aluband shown, has 2 methods for preparing the sill corners. Ensure you are familiar with the installation recommendations for the product you are using.

Other tapes available:
Flexible tapes: "Weatherseal" or "TYVEK"
Rigid tapes: "Protecto Wrap"

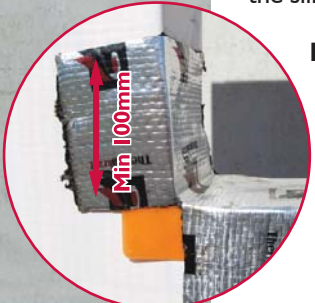




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Step 4
Sill tapes, minimum 100mm up at the sill.

NB: Sill Tapes must cover all exposed / raw timber, so some instances may require for more sill tapes. This is more common on larger framing eg 140mm vs 90mm.

Step 4a
Full length along the sill

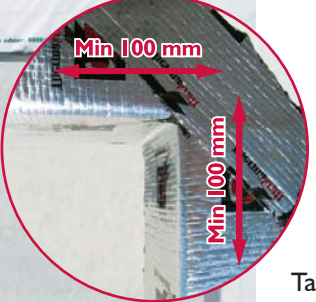




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Step 5
Head tapes, minimum 100mm from each corner.

NB: 100mm each end at the head
Tapes must cover all exposed / raw timber, so some instances may require for more sill tapes

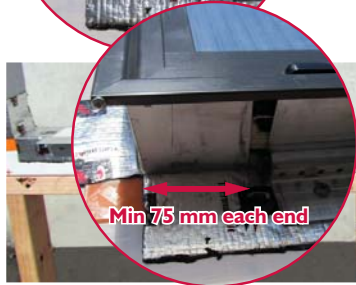
This is more common on larger framing eg 140mm vs 90mm

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Min 75 mm each end



Min 75 mm each end



Step 6

Cut Sill Support Bar
Sill Bar cut short by 75mm each end = 150mm in total

NB: The 150mm reduction in sill support bar width:

- Will miss the corner soakers
- Provides loading bearing on the drainage tray/support block

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Step 7

Fit Sill Support Bar 10g x 50mm (min)

Stainless Steel fixings
Maximum 300mm centres

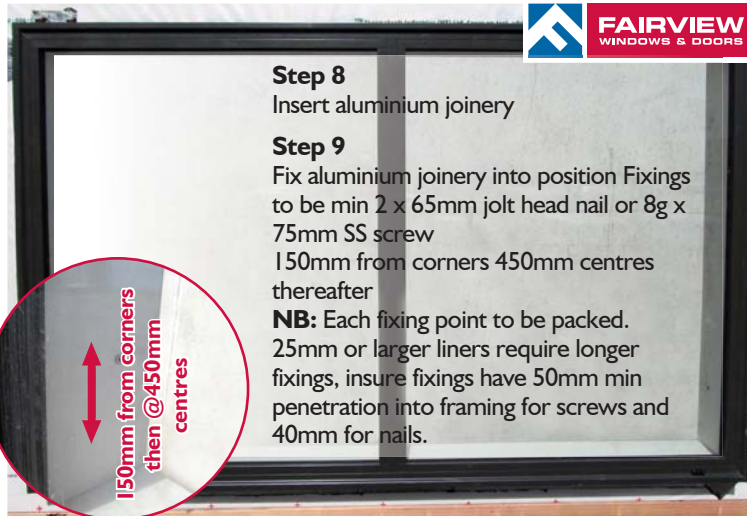
NB:

Location Brackets MO252B used to locate sill support bar with support 5mm above sill trimmer

Location Brackets can be removed, or can remain as intermittent packers at the sill



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150mm from corners then @450mm centres



Step 8

Insert aluminium joinery

Step 9

Fix aluminium joinery into position Fixings to be min 2 x 65mm jolt head nail or 8g x 75mm SS screw
150mm from corners 450mm centres thereafter

NB: Each fixing point to be packed. 25mm or larger liners require longer fixings, insure fixings have 50mm min penetration into framing for screws and 40mm for nails.

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Step 10

Fit Head Flashing Min 20mm overhang each end of joinery.

Step 11

Fit Head Flashing Tape over head flashing Min 35mm overhang on flashing

NB: Alternative to head flashing tapes is another layer of under lay over the top of the head flashing taken from next overlap above

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Step 12

Fit SH014 End caps to each end of head flashing.

Seal end cap to head flashing

NB: An Alternative to end caps, is an upturn, minimum 15mm

Step 13

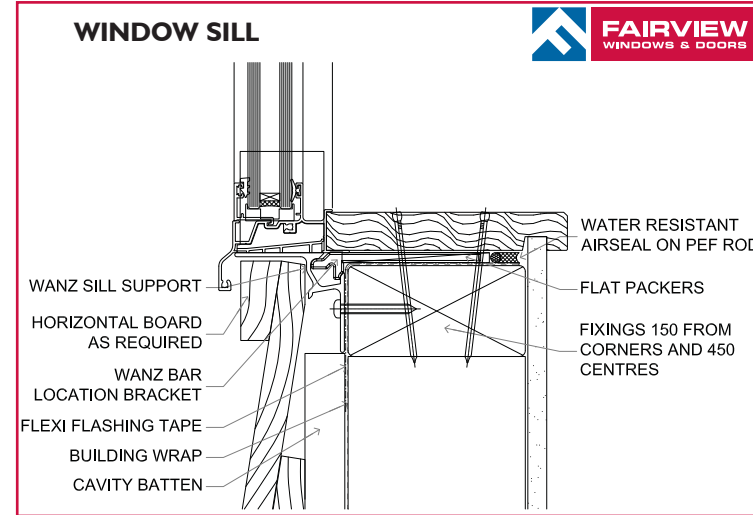
All 4 sides Airseal into minimum 5mm gap PEF rod to be used

NB: PEF Rod ensures the foam does not fill the trim cavity

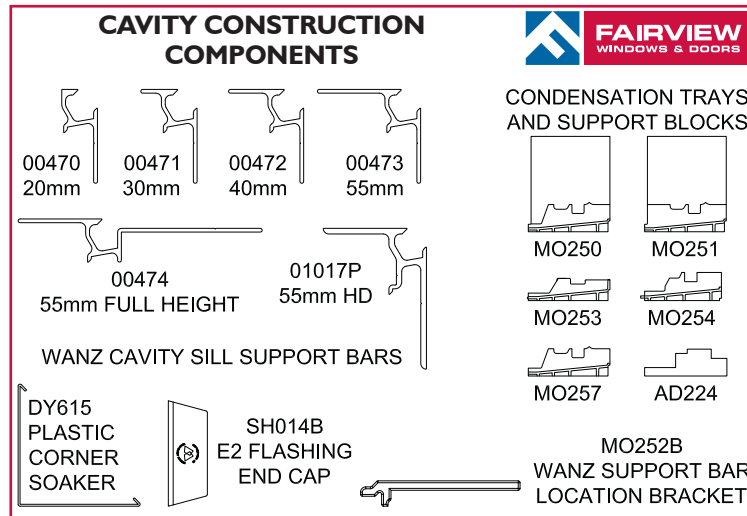
Filling the trim cavity is bad practice and can cause failures

Low expansion foam recommended to ensure controlled application of internal airseal

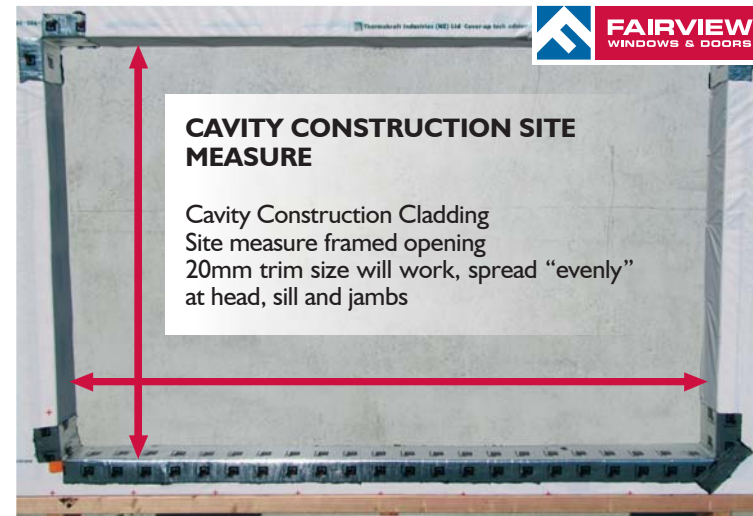
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CAUTION MIXED CLADDINGS

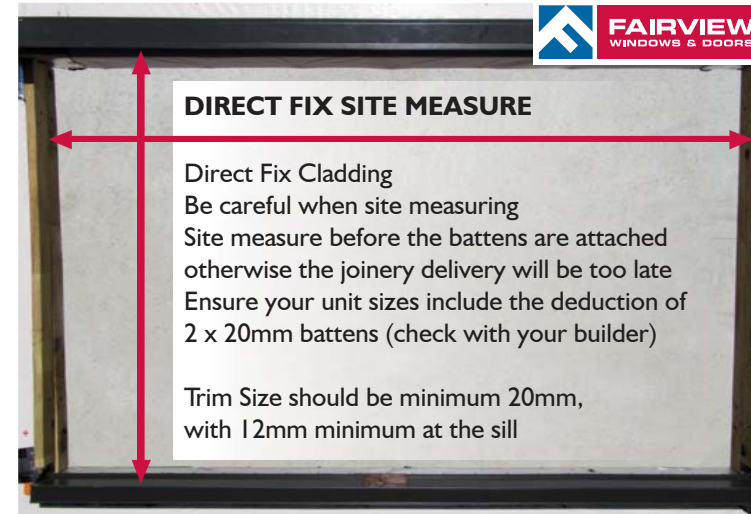
COMBINED PROJECT WITH CAVITY CONSTRUCTION AND DIRECT FIX SITE MEASURE

- Projects which mix Cavity and Direct Fix
- Ensure your trim sizes are the same
- Cavity Construction Sill packing should be changed to 12mm to suit Direct Fix sill packing

- The horizontal unit dimensions will be 40mm different

NB: Refer to the following page for Direct Fix site measures. This shows the differences that will occur in the site measure, if it is not highlighted prior to site measure.

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JOINERY MAINTENANCE

GLASS cleaning use pH neutral detergent with grit free squeegee, if specialty glass installed take extra care and contact your supplier for additional instructions.

POWDERCOAT & ANODISED SURFACES, should be kept free of splashes, spills, plaster and textured coatings. Full clean 6 monthly with pH neutral detergent, and do not use abrasives. Keep away from chemical cleaners which may not show damage for months.

HANDLES, CATCHES, LOCKS, STAYS AND OPERATORS, use pH neutral detergents not spray cleaners which contain chemicals. Do not oil keyways of locks. Monitor for corrosion. **Hinges**, use pH neutral detergent, wash at same times as frames, check for wear, and tighten screws as required.

GASKETS & WEDGES, check gaskets quarterly, replace gaskets & wedges that appear to have shrunk, ripped or torn. Discoloured gaskets can indicate incorrect cleaners have been used.

FINSEAL, WEATHER PILES & WEATHERSTRIPPING, these are fluffy carpet like strips of airseal. These are subject to wear from friction of sliding panels replacement will be required over time.

DRAINAGE SLOTS & HOLES are important to functionality in wet weather. Do not permit painters and other maintenance crew to fill or seal these. Check insects, sand, and other debris are not clogging drain holes.

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SLIDING, STACKING & BIFOLD DOOR ADDITIONAL MAINTENANCE

Keep dirt, sand and debris from building up in the sill and track areas by vacuuming regularly, and before each wash.

If the door is not sliding smoothly, adjustment is available for sliding & stacking door rollers.

Most door rollers can be adjusted with a screwdriver through access holes in either the end or side of the sliding panel at the bottom. Be sure to lift the panel to take the weight off of the roller during roller adjustment. Refer to photos top right.

After making roller adjustments, it may be necessary to also make adjustments in the lock strike placement. Most strikes can be adjusted by loosening screw fasteners, moving strike plate and retightening. Check for proper lock operation.

