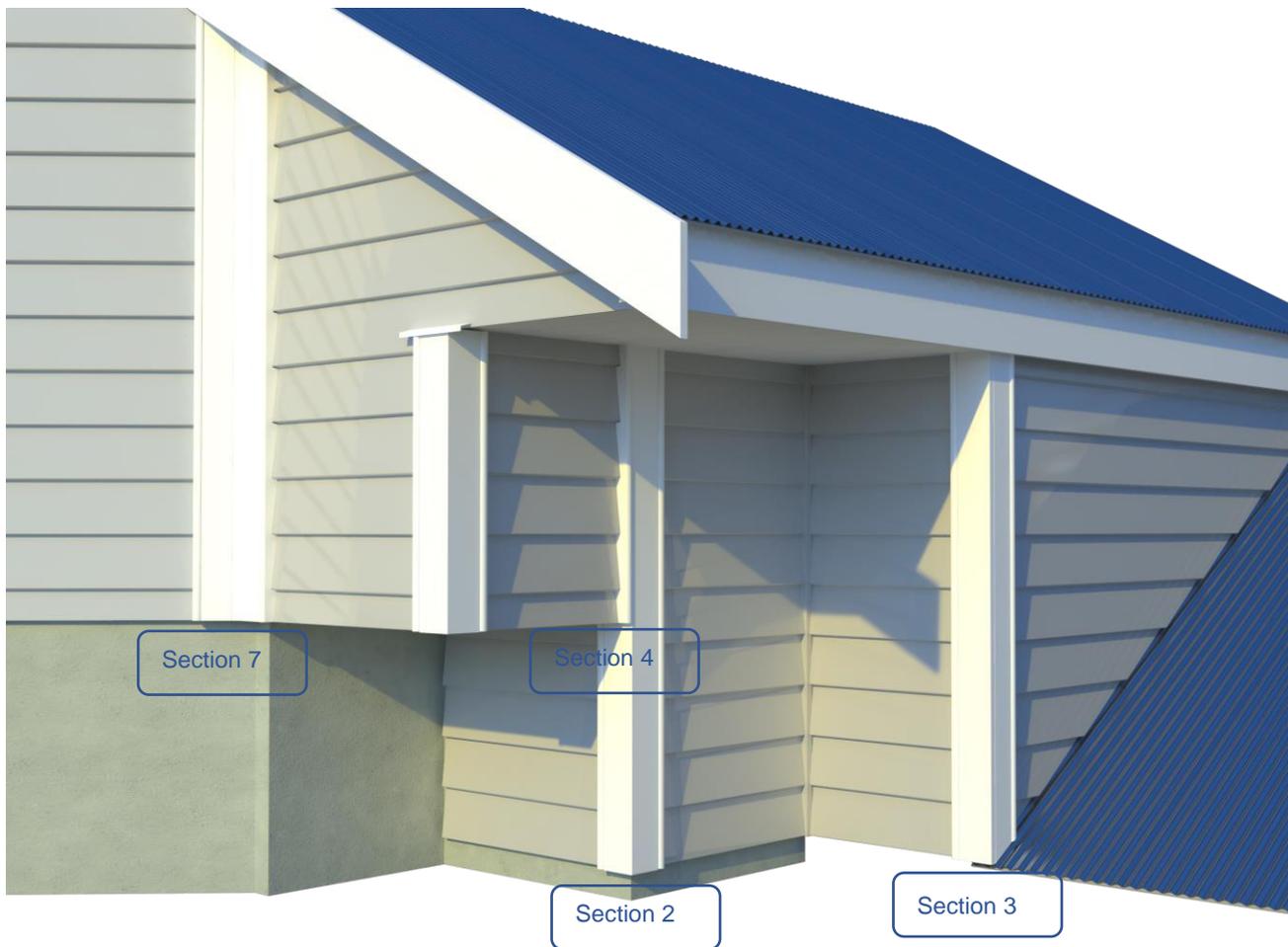


# DYNEX PALLISIDE®

## Boxed Corners

This Guide covers the installation of Boxed Corners using PALLISIDE® Traditional Weatherboards.



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## 1. About the System.

Dynex Boxed Corners are an Extruded uPVC Finishing System for corners of buildings.

They are designed to work as an accessory to the PALLISIDE® Weatherboard System, exclusively for the Traditional weatherboard profile to add style and value to the home.

Due to the unique properties of PVC they do not require painting.

They are available in White and Slate. Other colours are made to order (lead times apply).

When using a different coloured corner option to the Weatherboard, we recommend matching the scribe colour to the corner rather than to the boards. Matching the Window Facings is also recommended.



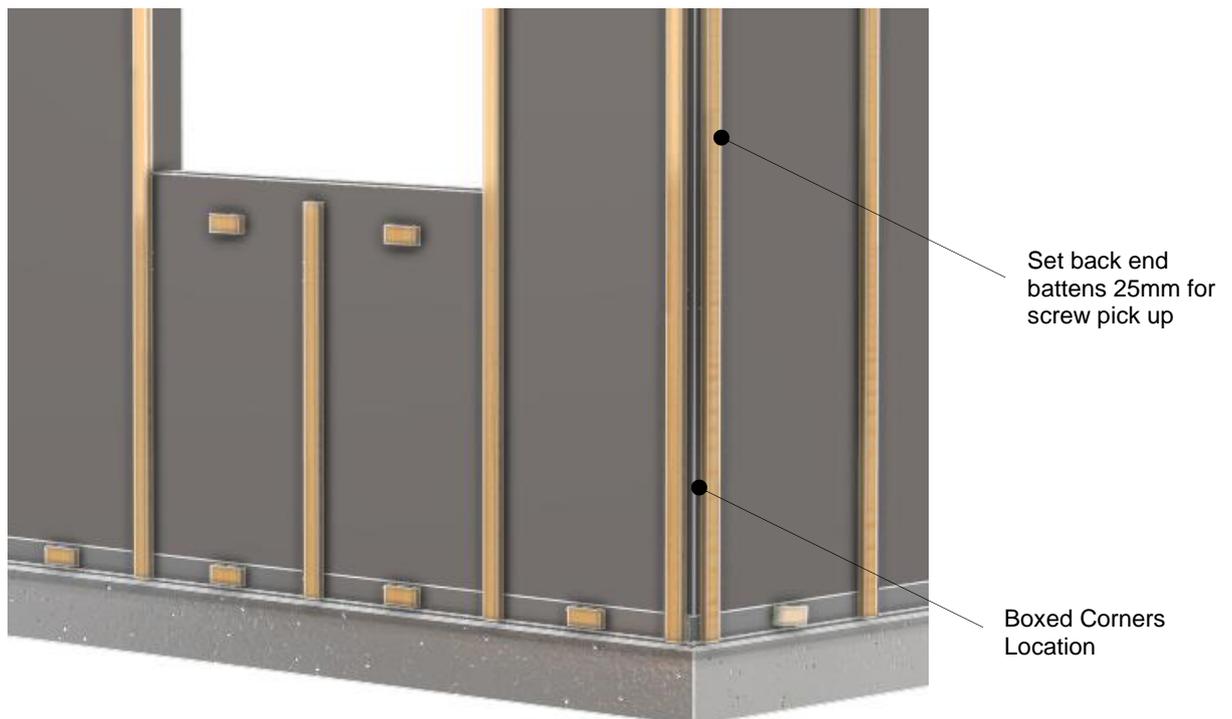
Boxed Corner with Endcap

## 2. Standard 90° External Box Corner Installation:

### 2.1. Preparation:

1. Boxed Corners can be installed over Cavities or along with Direct Fix Claddings, see CAD DWG details on the PALLISIDE® website. Ensure that Cavity Battens, Building Underlay and Penetrations are assembled in accordance with requirements of NZBC Clause E2/AS1.
2. Allow for vertical Cavity Battens at corners to be installed 25mm back from the edge of the building (see diagram below).
3. The cavity closer should continue all the way around the full perimeter of the building. Do not finish closers short of the corner.
4. Where possible installation should be carried out in a temperature range of between 10°C and 25°C. This is based on the requirements around expansion and contraction of uPVC. When installing in cold conditions, allow a few millimetres clearance for expansion. See PALLISIDE® Technical guide for details.
5. There is no requirement for additional back flashings behind the corner.

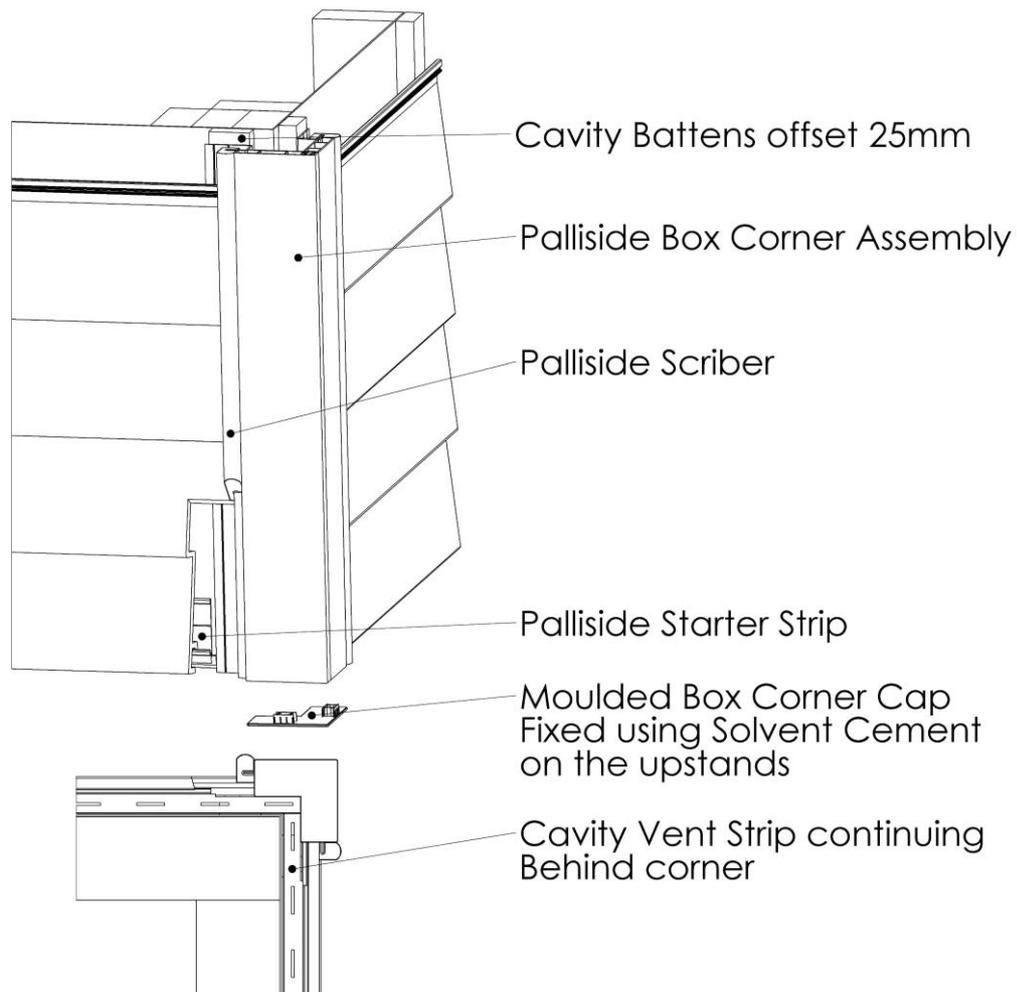
Wall with Battens before Cladding.



## 2.2. Boxed Corner Assembly and Installation:

The Boxed Corners are installed before PALLISIDE® Weatherboards. The Weatherboards can be installed as per the PALLISIDE® Installation Guide available on the PALLISIDE® Website at [www.PALLISIDE.co.nz](http://www.PALLISIDE.co.nz)

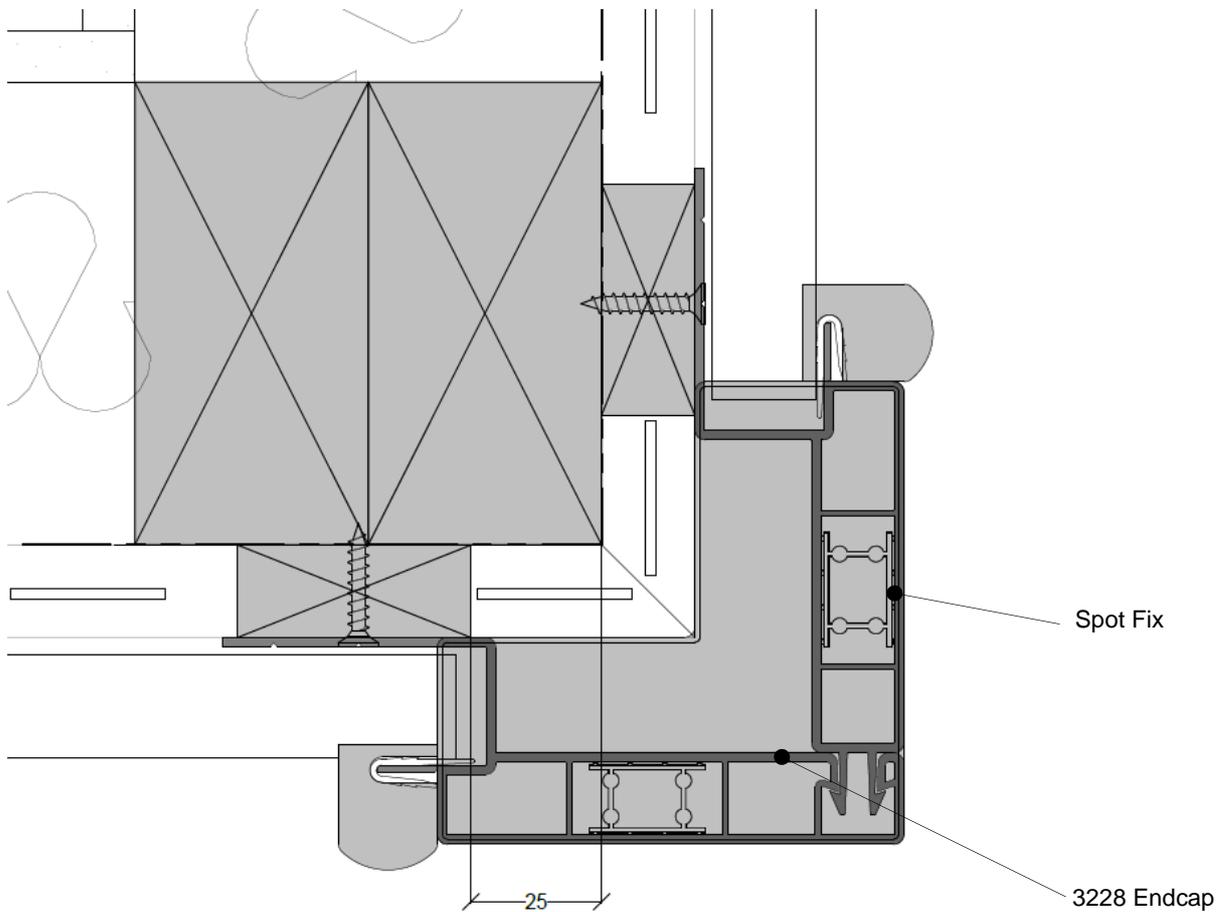
1. Measure length of coverage required for the corner. The Boxed Corner needs to start flush with the base of the lowest installed PALLISIDE® weatherboard and continue up to finish flush tight against the soffit.
2. Cut both male and female components to length. Snap together to form a completed Box Corner ready for installation. Check for squareness using a Set Square.
3. Fix the Box Corner in place through the nailing flange at 300mm spacing with either Stainless Steel 8G screws or Galvanised Flat head nails.
4. Install the weatherboards in place ensuring they are lapped correctly before nailing each weatherboard. Check the weatherboard laps using the pre-cut scribe to maintain consistency and continue this process as you install all weatherboards.
5. Once all weatherboards are in place, carefully fix the scribes in place by running a bead of glue along the insert and pushing into the Boxed Corner flange along the full length. Note: Do not seal the scribes to the weatherboards.
6. The Box Corner can be sealed directly to the Soffit at the head.



## 3. Endcap Installation, Standard Boxed Corners

Note that endcaps are required to cover visually exposed areas and to protect extrusions from insects or vermin.

1. The Box Corner Cap (part # 3228) is installed into the Box Corner after it is mounted and held in place with a Solvent Cement or MS Polymer.
2. Make sure that the cap is not sealed around the perimeter to allow for any failure moisture that may accumulate in the Box Corner Section to escape/evaporate (i.e. spot fix around perimeters and on upstands).



Spot Fix

3228 Endcap

25

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## 4. Rakes

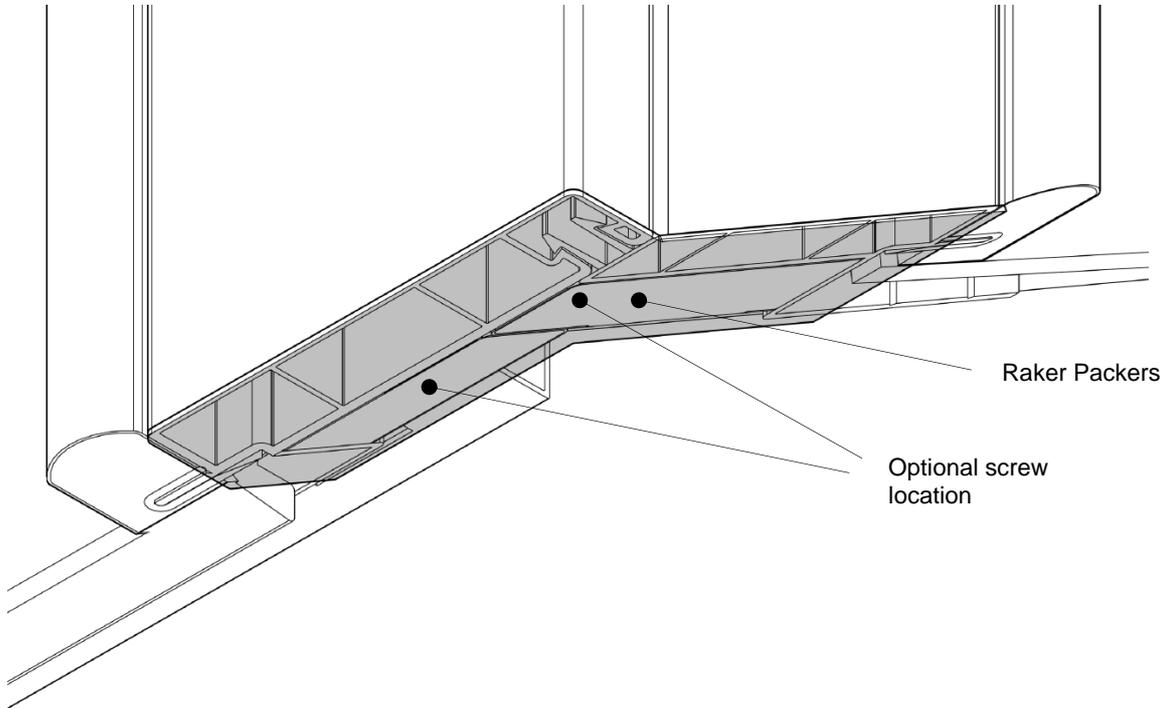
Assembled Raker Corner. Note that other building elements are hidden for clarity.



### 4.1. Raker Fixing

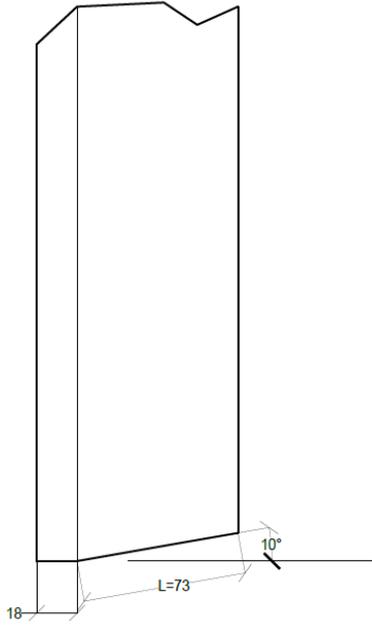
1. Cut Box corner Female to full length of PALLISIDE® boards.
2. Mitre Box Corner Male to the same angle as the Raker. Note: Male Pre-cut scriber should also be cut to the same angle.
3. Assemble and fix the Boxed Corner as per a standard Box Corner installation documented earlier.
4. Cut and insert 2x internal packers that sit flush with the end of the Boxed Corner. These will act as gluing surfaces for the folded endcaps. Adhere packers with MS Polymer or the inside surfaces of Boxed Corners. Fix with 8G wood screws. (See detail at [Section 7](#))
5. Score and Bend pre-cut flat sheet to match Raker corner as illustrated. Cut Cap leg to match to angle of raker. E.g. 30% Roof = 83mm+18mm (see Angle Gauge Diagram below)
6. Adhere with a thin film of MS Polymer or similar. Note; The cap may need to be held in place onto the Box Corner (using masking tape or similar) while the glue goes tacky.
7. Seal top of Box corner to soffit
8. Adhere Scribes to Box Corner (as per standard Boxed Corner documented earlier).
9. The end cap needs to be screwed into the packers using 6G CSK SS Wood Screws. in EH wind zones where the endcaps will be exposed to the extreme weather.
10. Mount assembled Boxed Corner to Battens and proceed to clad.
11. Seal Scribes to Boxed Corners once cladding is complete.

## Raker Corner without Cap Showing Packers

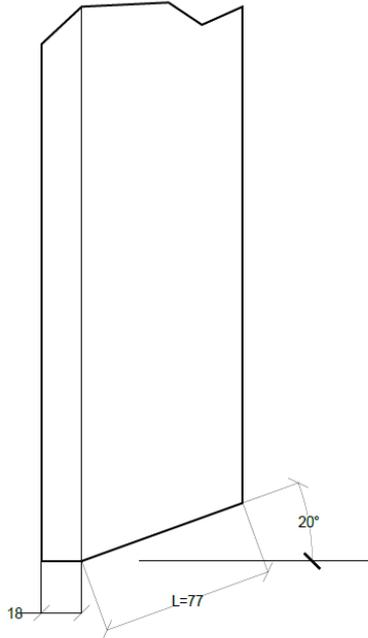


## Assembled Box Corner from Underneath.

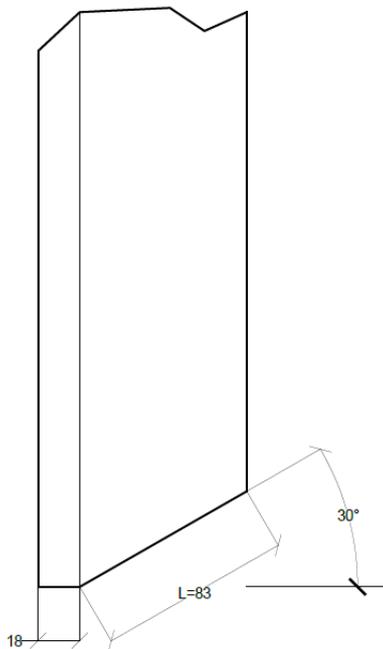
Angle Gauge for Raker Corner Endcaps for Raking or Pitched Roofs.



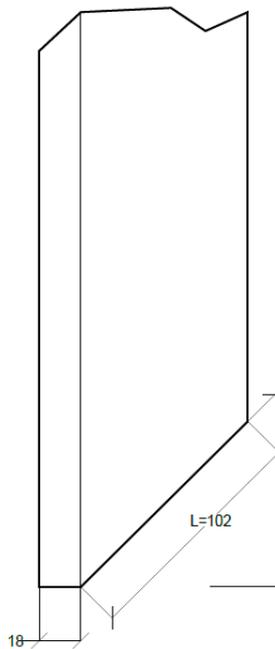
10 Degree Raker



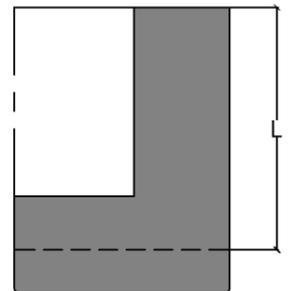
20 Degree Raker



30 Degree Raker

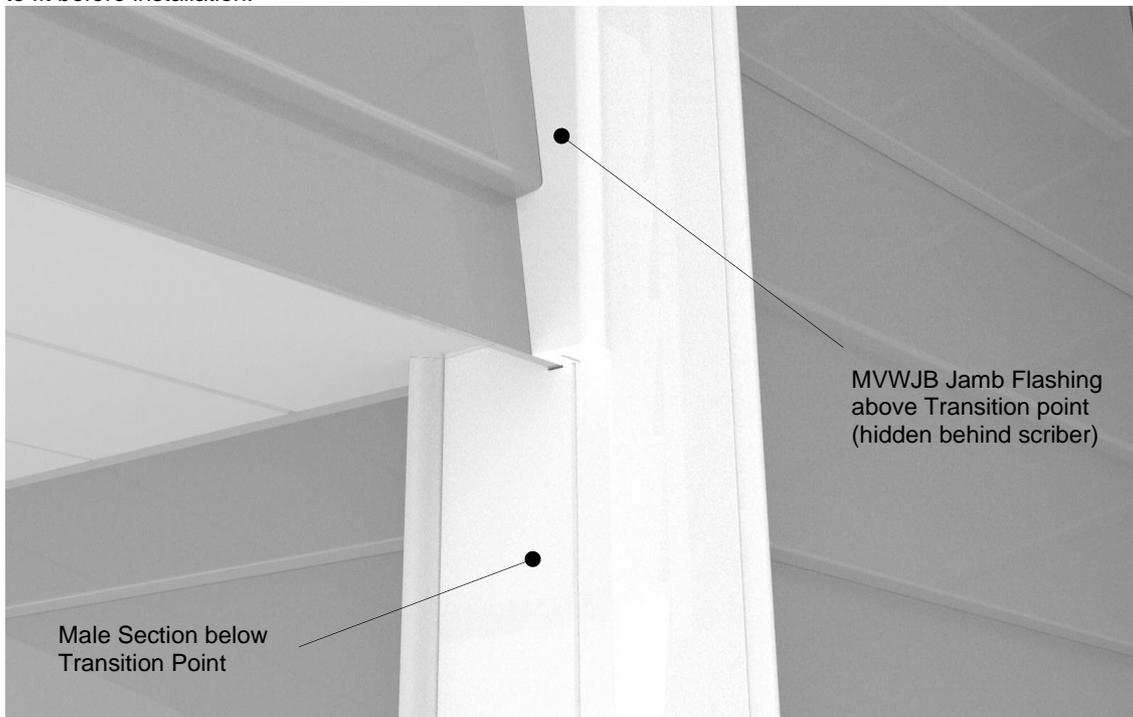


45 Degree Raker



## 5. Box to Flat Transition

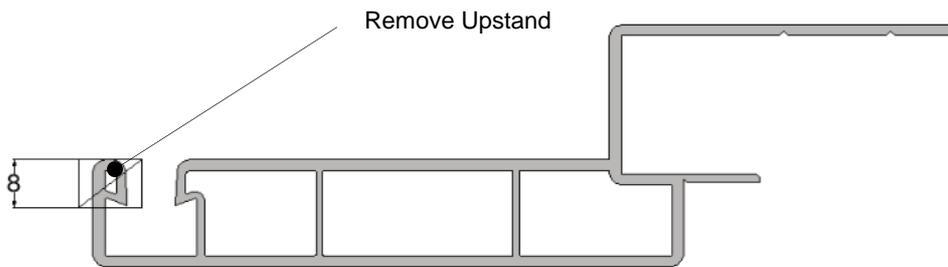
At a transition over a porch, garage or other partially covered area the Box Corner will need to be modified to fit before installation.



1. Note: Female component should be outwards facing as shown, male component underneath transition in cover area.
2. A Dynex MVWJB Jamb Flashing Extrusion is required the length of the flat transition to allow the Scriber to have an attachment point.

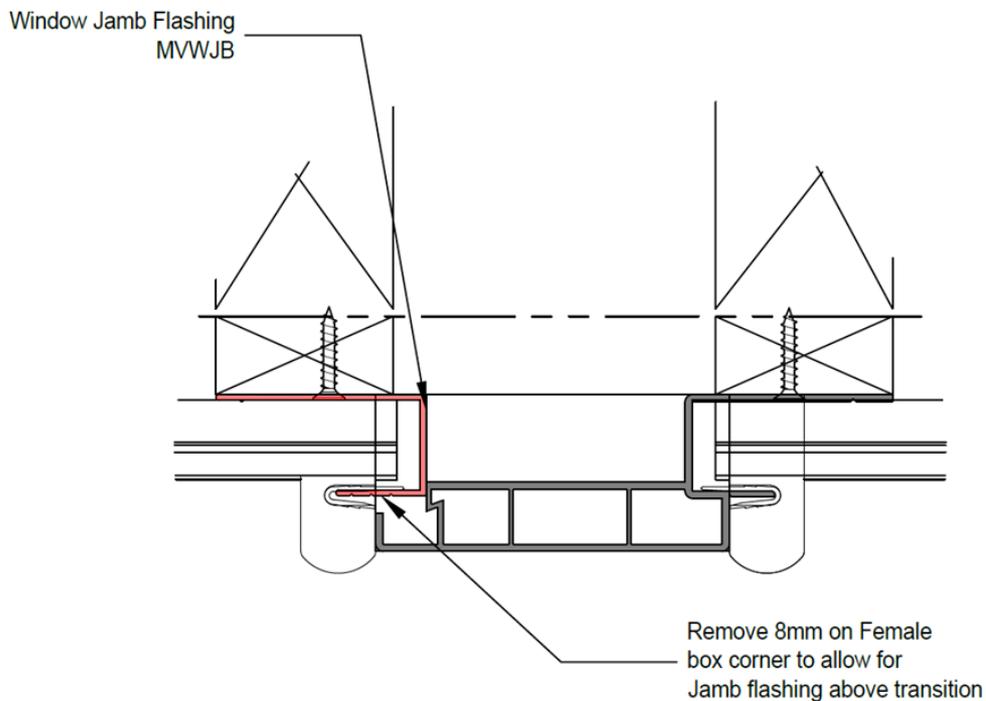
## 5.1. Pre-Fixing:

Remove 8mm of upstand from female component as shown to allow room for the Jamb Flashing base. The Jamb Flashing base will act as the receiver for the short length of Pre-Cut Scriber that runs above the transition



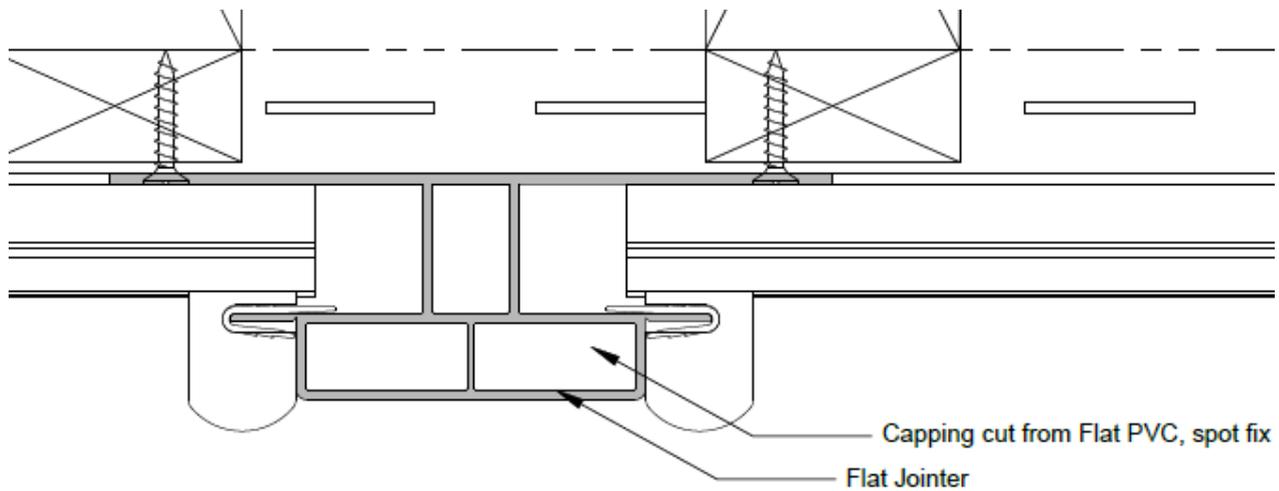
## 5.2. Fixing.

1. Affix Jamb Flashing Base MVWJB to Batten/Wall the full length of Female Box Corner above the transition point from Box to Flat at 300 centres
2. Fix Scriber along full length of Jamb flashing and along complete length of non-transition side. Cap with flat piece of Flashing offcut or seal to Soffit as required.
3. Seal Scribes to Box corner flanges using either MS Polymer Cap underneath with flat piece of Flashing offcut or seal to Soffit as required.



## 6. Flat Jointers

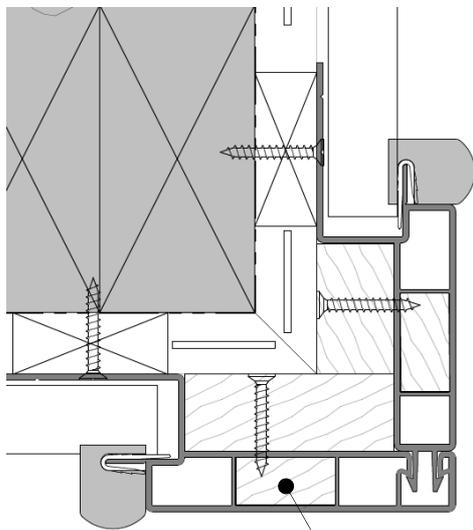
Flat Jointers are to be installed as per a Box Corner. Affix Endcap 62119 with MS Polymer to exposed ends and seal the Soffit at the head.



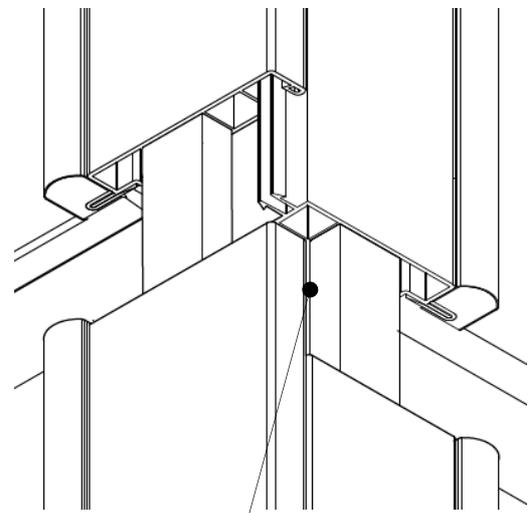
## 7. Joining Lengths

Boxed Corners are supplied in 2.7m or 5.4m lengths, however when there is a need for joining two lengths of Boxed Corner, use H3 timber packers screwed fixed from behind without breaking the top surface to align two lengths.

1. Stagger the cuts on each side of the corner 50mm and where possible position joins away from eye-level. Ensure the two pieces are sealed together with MS Polymer at the join.
2. Cut wooden dowels 14x28mm and fit to middle cavity to ensure alignment.
3. Join Scribes away from Boxed Corner Join to assist with strength across the join itself.

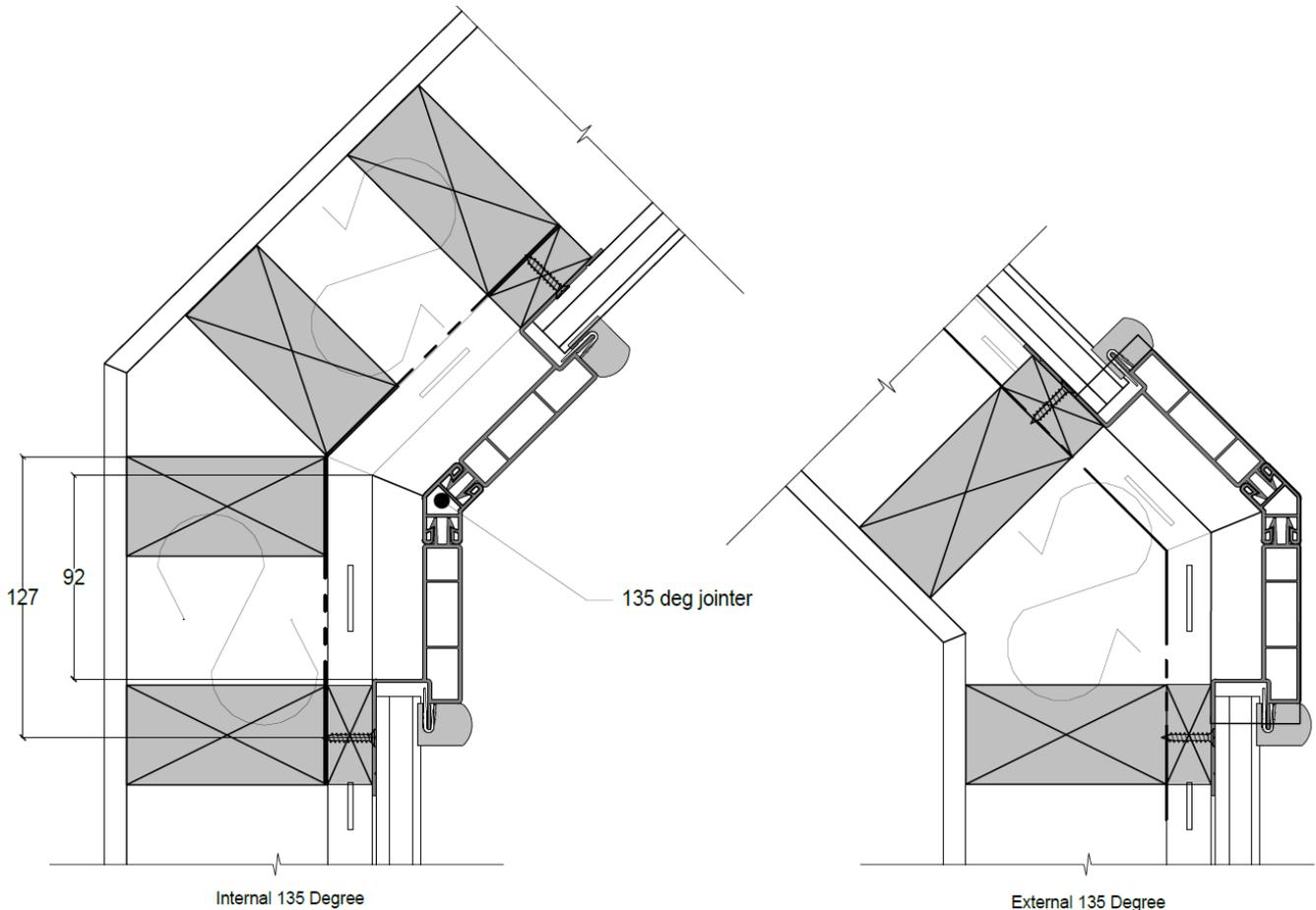


14mmx28mm Dowel



50mm Stagger

## 8. 135 Degree corners

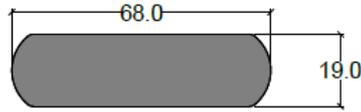
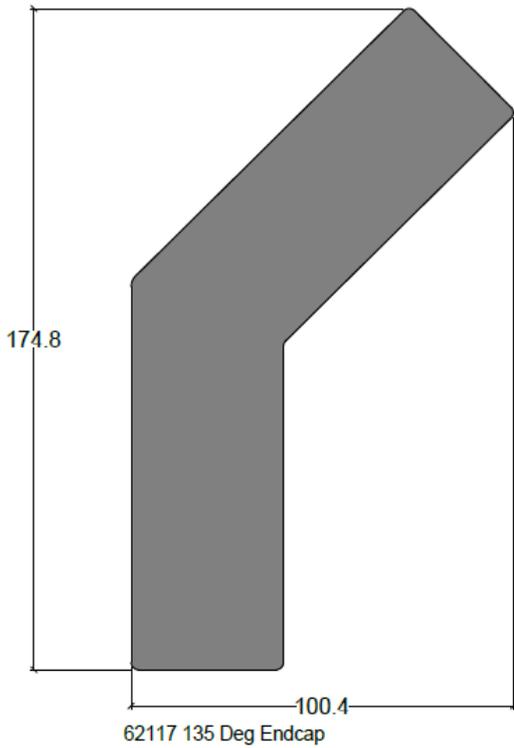


135 Degree corners (both internal and external) can be created using the 135 Degree Jointer and 2 male Box Corner components.

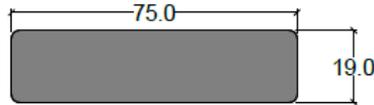
### 8.1. Fixing

1. Cut to length and mount to the battens or building structure as per a standard installation for boxed corner prefixing (2.1).
2. Fit the weatherboard
3. Cut scribes flush with bottom of Boxed Corner and glue in place per (2.2)
4. For these corners, an Endcap can be fashioned from an offcut of Box Corner Flange if required. Note that for second story locations where the underneath of the Box Corner may be visible 2x 92x20mm packer with a 23 Degree chamfer may need to be fashioned to fill up the gap below the corner which is also useful for screwing the endcap to. (see 6. Standard Box Corner Packing detail)

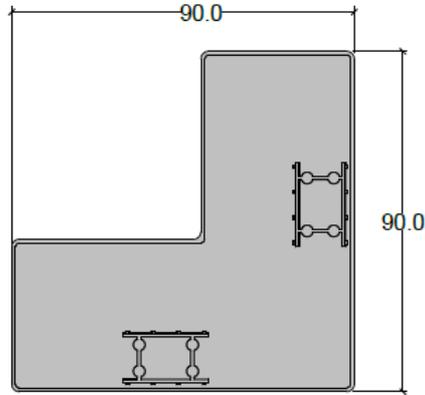
## 9. Components



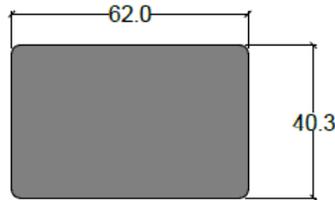
62115 248 Scriber Endcap



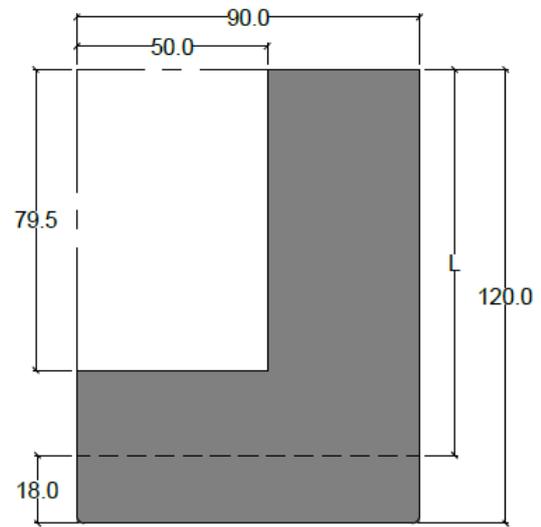
62116 249 Scriber Endcap



3228 Endcap



62119 Flat Joiner Endcap



62118 Raker Endcap

## 10. Extrusions

