

Eaves installation

Overview An eaves must secure the bottom of the roof panel and allow for thermal expansion whilst maintaining weather tightness. There are many ways of detailing the end of the panel at the eaves but here 2 options will be highlighted where both require an eaves strip of at least 150mm in width.



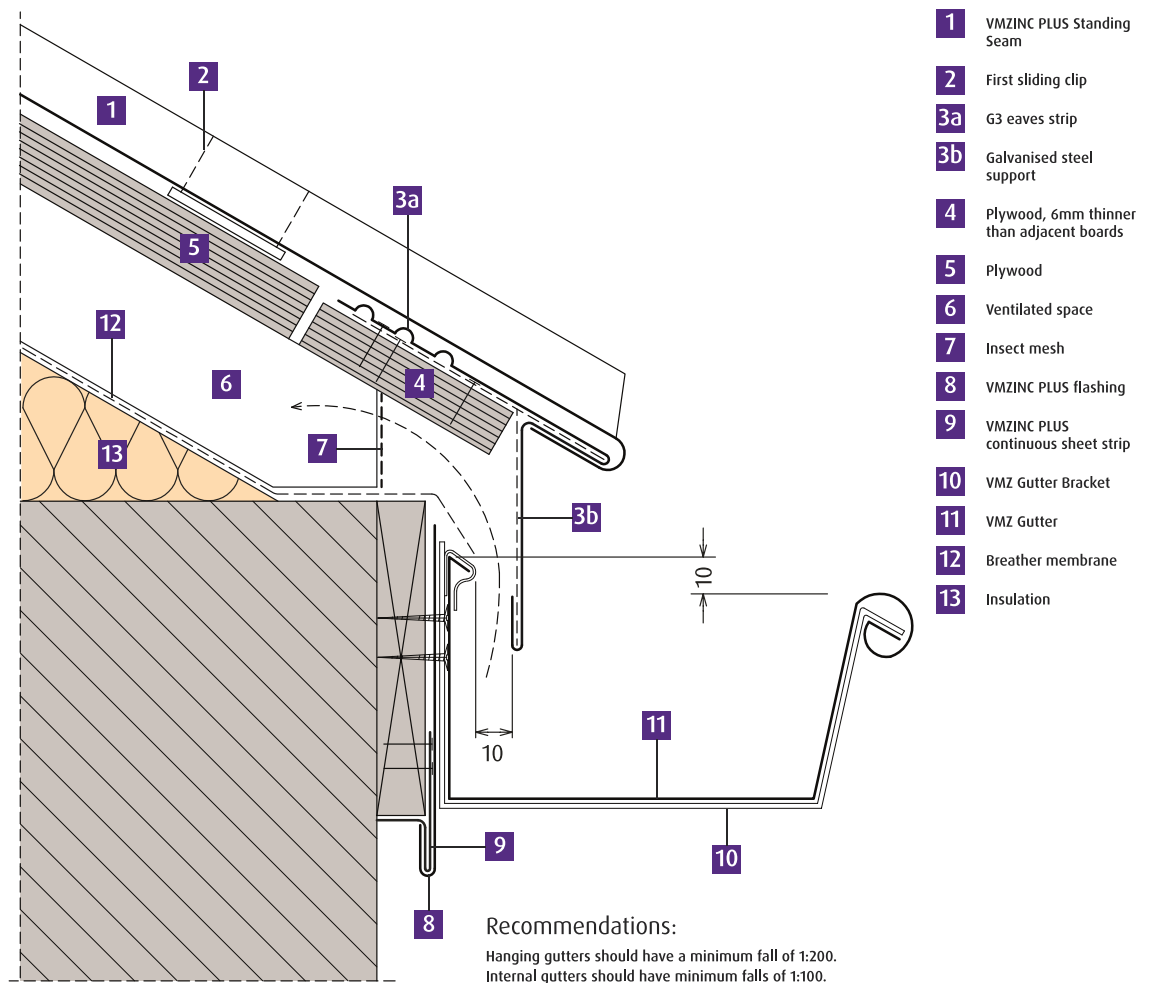
Dog tooth detailing



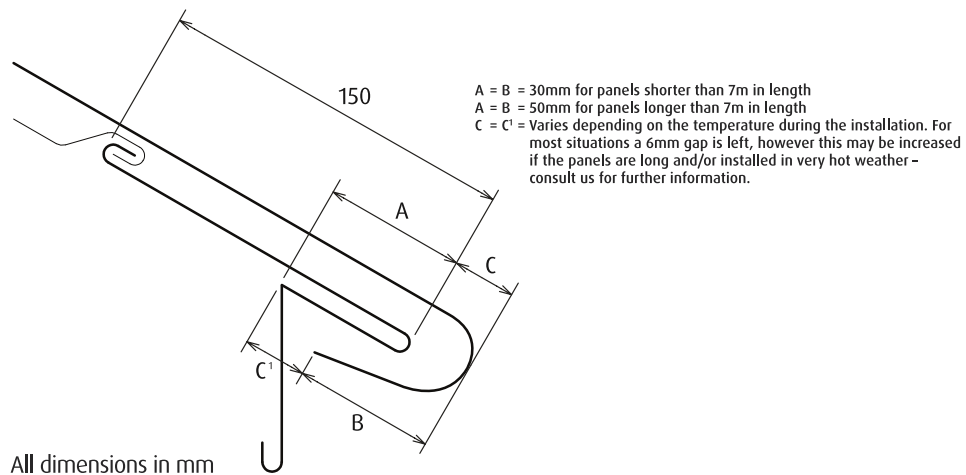
Swept end detailing

Eaves installation

Eaves detail

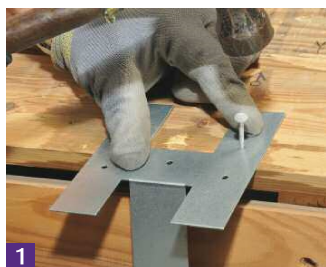


Managing thermal movement



Eaves installation

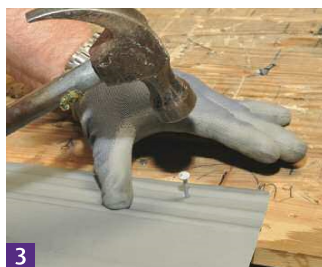
Procedure using the dog tooth method



1 Galvanised steel supports are installed at 300mm centres.



2 The G3 eaves strip located in position.



3 Fixed at 300mm centres above the water check rib.



4 The zinc should be marked 30mm for panels less than 7m in length and 50mm for longer panels.



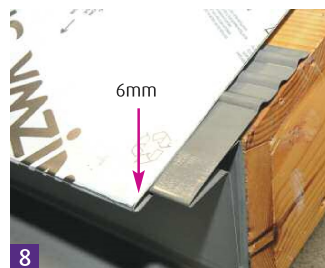
5 The zinc should be cut. Do not use snips that will result in the zinc 'tearing'.



6 The hem is folded back to 90°.



7 The hem is closed.



8 A gap of 6mm must be left to allow the panel to expand and contract (this can vary depending on installation temperature). The substrate must also have a 6mm rebate to allow the eaves strip to be flush.



9 An eaves strip with a water check can also be used but must not be installed with a through fixing.



10 The eaves strip must be installed with a zinc cleat.



11 The film must not be partially removed as this can cause staining.

Tip Solution ideally suited to low slope roofs as the water at the standing seam is taken beyond the line of the eaves strip.

Eaves installation

Procedure using the swept end method



1 Mark the zinc with a template (80mm in length).



2 Straighten the upstand.



3 Cut back the zinc.



4 Flatten the zinc.



5 Fold back the upstand.



6 Install 2nd panel.



7 Open up the upstand.



8 Mark the zinc at 15mm above the cut edge.



9 Cut the zinc back.



10 Pinch over the overlap.



11 Hammer over the overlap.



12 Hammer over swept end.



13 Completed eaves prior to film removal.

Tip This detail is elegant but does require more time and skill to be installed properly.