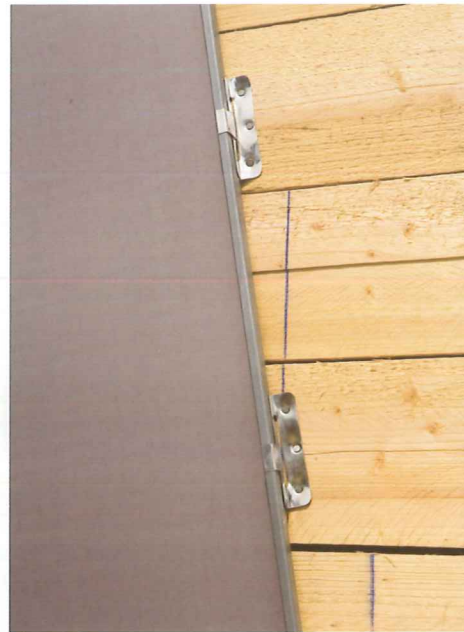


Standing seam

Typical standing seam panel system construction



Note: Supporting structure is indicative and can be blockwork as shown or metal framing or other appropriate materials.



Maximum panel size: 430mm x 4m

- 1 VMZ standing seam panels in VMZINC PLUS
- 2 Fixing clip
- 3 18mm plywood
- 4 Battens creating a vented 38mm airspace
- 5 Insulation protected by VMZ Membrane

Advantages of the standing seam panel system

- Covered by Code of Practice 143-5: 1964
- Concealed fasteners
- Roof to wall continuity
- Versatile
- Horizontal, vertical and diagonal installation possible

For more information contact us on
01992 822288
 or send an e-mail to
vmzinc.uk@umicore.com

Standing seam

Overview VMZ Standing Seam is a ventilated cladding system that can be used for both renovation and new build. As the name standing seam implies, the system consists of seams that can be crimped in a single or double lock (for greater flatness single lock seams sometimes referred to as angle seams are recommended). The system has a traditional look with the seams being 25mm high. The trays can be installed horizontally, vertically and at an angle.

This facade system offers the possibility to clad all types of walls: flat, curved or complex forms. Another great advantage of this zinc facade system is that it can be used on both walls and roofs, thus allowing roof and wall to blend as one (standing seam roofs require double lock seams). The cladding panels can be various sizes but we would not recommend that they be more than 4m in length and 430mm in width. All aspects of VMZINC can be used with 0.8mm being the recommended thickness for facades.

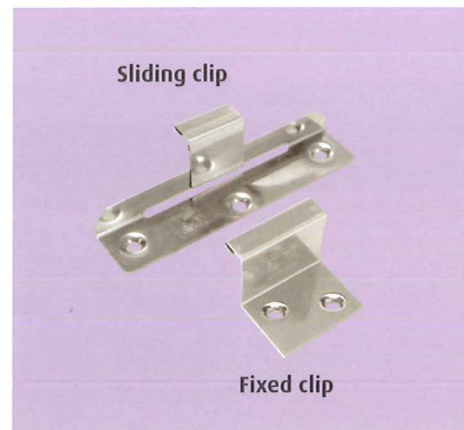


Standing seam

Structure The system is very lightweight as the panels weigh no more than 7kg/m² and can be fixed back to both soft wood open gap boarding and plywood. Both substrates require the use of 18mm thick wood and a vented airspace should be left behind the timber of at least 38mm. The plywood must be weather and boil proof. WBP plywood is more precisely described as EN314-3 (glue bond) and EN636-2 (timber performance). When soft wood open gap boarding is used it is possible to omit every other board, however a fully boarded substrate should be used in accessible areas. The substrate must be flush to within 2mm and all screws and nails must be countersunk. VMZINC PLUS must be used on plywood substrates.

Installation The panels are installed in a sequential order from either left to right or right to left for vertical panels. Horizontal panels must be installed from bottom up. For panels less than 2m in length fixed clips can be used. For longer panels sliding clips must be used towards the bottom on vertical panels and to the left and right of the centre for horizontal panels. VMZINC clips are made from 304 stainless steel and each clip must resist a pull-out force of 50daN. It is recommended that screws be used to secure the clips with three being used per sliding clip. The use of nails offers significantly less resistance, but in the event of using nails, contractors are advised to use ring shank nails.

The panels should be installed with the protective film in place.



Centre to centre distance between clips:

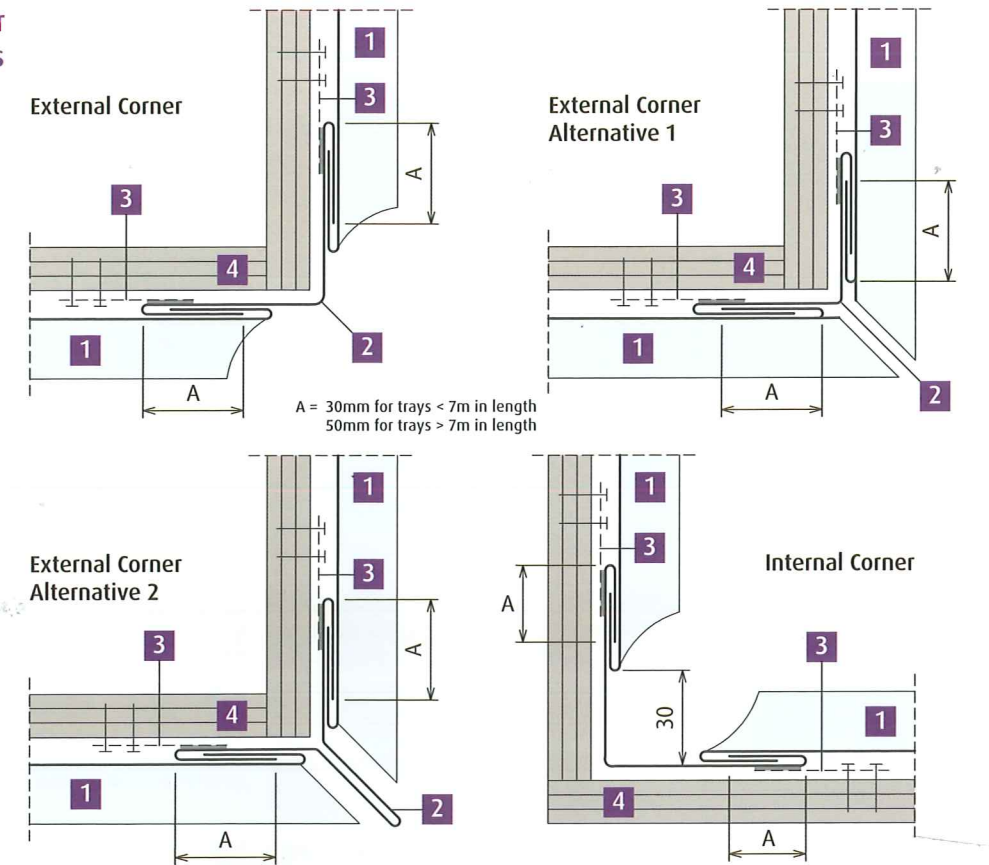
- 330mm on the main part of the facade
- 200mm on perimeter of the facade (at least 1100mm from building corner)
- 150mm in corner areas



Standing seam

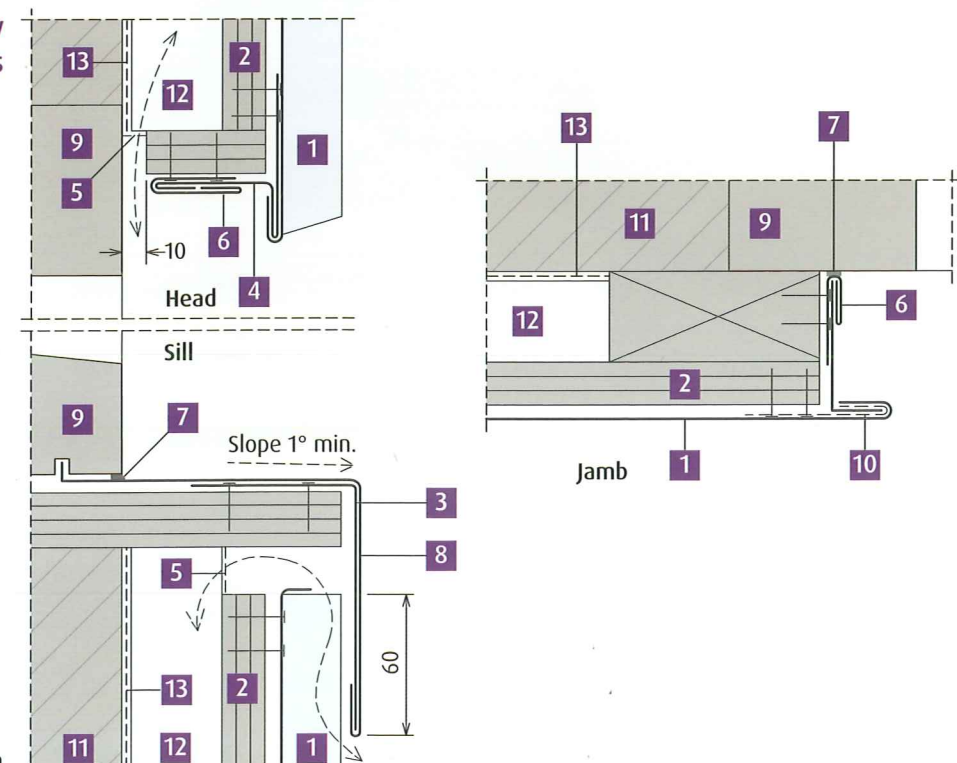
Download the technical drawings of this facade build-up from our website www.vmpzinc.co.uk

Corner details



- 1 VMZINC PLUS Standing Seam
- 2 VMZINC PLUS continuous corner strip
- 3 VMZINC PLUS soldered clip
- 4 Plywood

Window details



- 1 VMZINC PLUS Standing Seam
- 2 Plywood
- 3 VMZINC PLUS continuous folded strip
- 4 VMZINC continuous folded strip, 0.7mm thick
- 5 Mesh (2mm maximum weave)
- 6 VMZINC continuous folded strip
- 7 Compatible mastic sealant
- 8 VMZINC PLUS flashing
- 9 Window frame
- 10 VMZINC PLUS sheet clip, 0.7mm thick, width 80mm, 2 per m
- 11 Loadbearing structure
- 12 Ventilated space
- 13 VMZINC Membrane

All dimensions in mm