VMZ Facade

Surface finishes

Natural VMZINC® Natural VMZINC has a shiny metallic appearance when new and develops a patina over time. In facade applications, it may take 10 years for the matt grey patina to form. It can be quickly soldered without removing the patina.

QUARTZ-ZINC® QUARTZ-ZINC offers an appearance and texture that does not change over time. When QUARTZ-ZINC is scratched, it will self heal. The grey tones of QUARTZ-ZINC blend well with existing construction materials – ideal for refurbishment.

ANTHRA-ZINC® ANTHRA-ZINC with its visible grain matches the colour of slate and blends well in combination with photovoltaic panels. Due to the dark aspect of the material salt stains are possible in coastal environments especially on non-rinsed (rain water) surfaces.

AZENGAR® AZENGAR is the surface finish from VMZINC which is the first engraved zinc giving a product with a matt, heterogeneous and light aspect. AZENGAR can be used in the same fashion as other VMZINC products for both roofs and facades.

VMZ Facade

Surface finishes

Please contact us for samples

Standard PIGMENTO®

PIGMENTO finishes offer a unique range of colours (Blue, Green, Brown, Red and Grey) that enhances any building. This natural product enables the texture of the QUARTZ-ZINC to still be seen whilst offering the designer the choice of colour to complement other elements of a facade or roof.

The colouration of the zinc is achieved with a special pigment layer that enhances the qualities of the zinc without presenting a block colour. This product is tested to EN13523-10/2010 and EN 15523-3/2001.

PIGMENTO, available in five standard colours, provides an increased resilience, however in a severe non-rinsed marine environment (1km from the sea), staining is still possible and therefore the material should not be used in this application.

Bespoke PIGMENTO® New

The PIGMENTO range is now available in bespoke colours. Samples of the colours indicated here are available upon request. For other colours a sample and RAL colour should be submitted in order to assess feasibility.

Standard PIGMENTO® BLUE

Standard PIGMENTO® GREEN

Standard PIGMENTO® BROWN

Standard PIGMENTO® RED

Bespoke PIGMENTO® colours

Standard PIGMENTO® GREY

VMZ Facade

Standing seam

Typical standing seam panel system construction

Note:
Supporting structure is indicative and can be blockwork or metal framing with a non-combustible deck or other appropriate materials.

Maximum panel size: 430 x 4000mm

1. VMZ standing seam panels in VMZINC PLUS
2. Fixing clip
3. 18mm plywood or steel deck (see page 6)
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
0203 445 5640
or send an e-mail to
vmzinc.uk@vmbuildingsolutions.com

VMZ Facade

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.

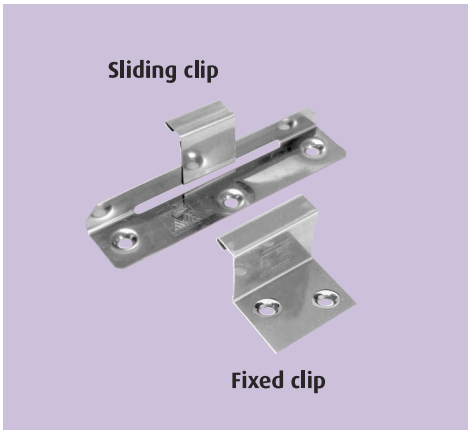
This facade system offers the possibility to clad all types of walls: flat, curved or complex forms. Another great advantage of this zinc facade system is that it can be used on both walls and roofs, thus allowing roof and wall to blend as one (standing seam roofs require double lock seams). The cladding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

VMZ Facade

Standing seam

Structure

The system is very lightweight as the panels weigh no more than 7 kg/m^2 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 EN314-2 (bond class 2) 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, however for vertical surfaces VMZINC and VMZ Membrane can be used on vented plywood. For projects where combustible materials such as plywood cannot be used galvanised steel decks can be used as a substrate – see page 6 for further information.



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. When using single lock all clips can be fixed. VMZINC clips are made from 304 stainless steel and each clip must resist a pull-out force of 50 daN. 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

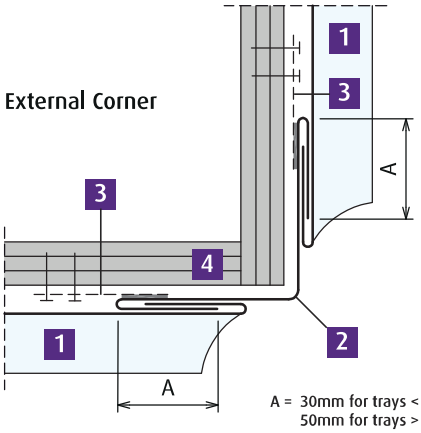
VMZ Facade

Standing seam

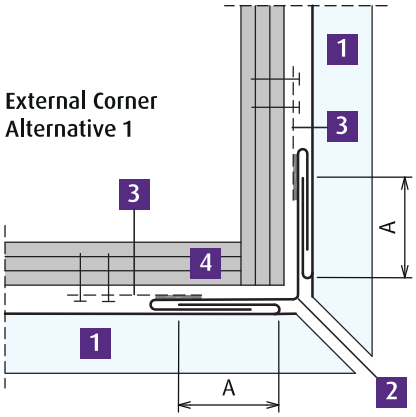
Download the technical drawings of this facade build-up from our website **www.vmzinc.co.uk**

Corner details

External Corner

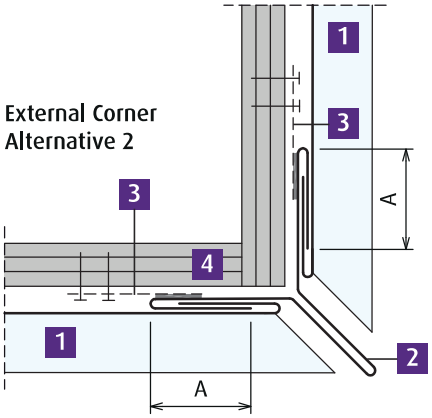


External Corner Alternative 1

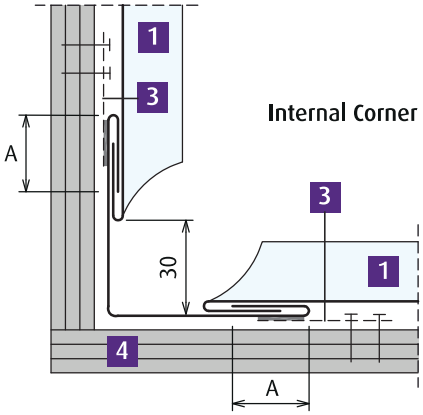


A = 30mm for trays < 7m in length
50mm for trays > 7m in length

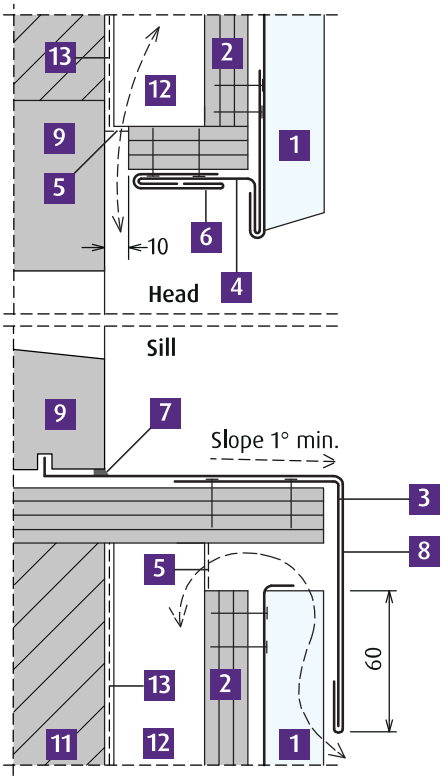
External Corner Alternative 2

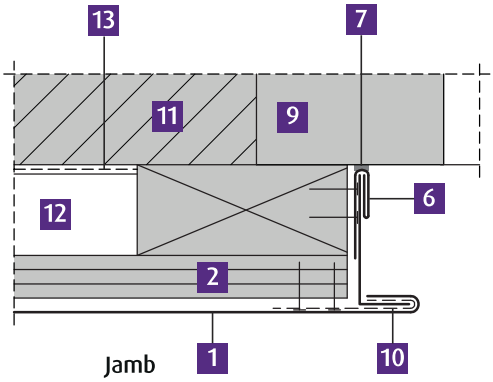


Internal Corner



Window details





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

1. VMZINC PLUS Standing Seam
2. Plywood
3. VMZINC PLUS continuous folded strip
4. VMZINC continuous folded strip, 0.7mm thick
5. Insect mesh
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