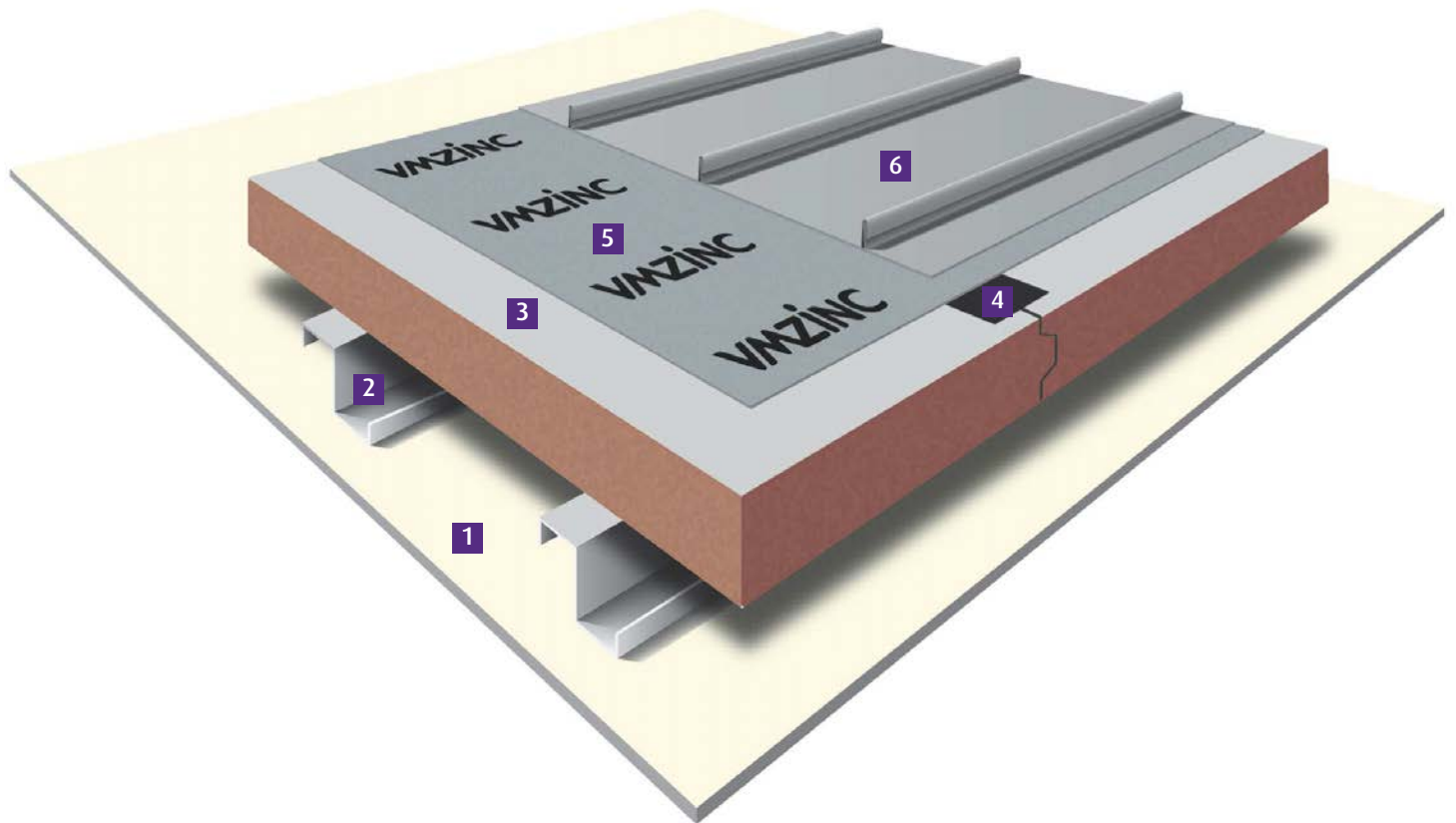


Standing seam on insulated metal-faced panels



Key to construction build-up

- 1 Interior finish
- 2 Steel purlins
- 3 Insulated metal-faced panel (0.7mm steel thickness)
- 4 Aluminium-faced tape
- 5 VMZINC Membrane
- 6 VMZINC PLUS Standing Seam

Advantages of standing seam on insulated metal-faced panels

- BRE Green Guide rated A
- This solution provides good pull-out resistance
- Offers a fast track installation process over large areas
- Reduced thermal bridges
- Allows building to dry out rapidly



Standing seam on insulated metal-faced panels

Area of application Suitable for buildings in 1 to 4 humidity classes (dwellings with high occupancy, sports halls, etc) and with pitches from 3° to 60°. For installation on metal-faced composite panels VMZINC PLUS, with its specially protected underside, must be used. The outer skin must provide a minimum pull-out value of 50kN for the standing seam fixing clip (dynamic testing method).

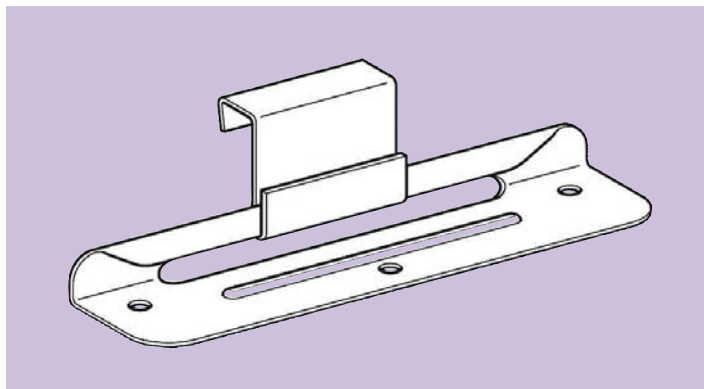
Structure The insulated metal-faced composite panel must be made from galvanised steel on both the internal and external facing (minimum thickness 0.7mm for external facing). Fixings and clips must not inhibit the required expansion and contraction of the VMZINC PLUS or cause any damage to the protective coating underneath.

The insulated metal-faced composite panel must provide a 100% vapour barrier. This is normally achieved using a panel with a vapour tight interlocking jointing system. It is the specifiers responsibility to ensure there is no risk of condensation in this type of roof construction and the use and humidity of the building should be considered before specifying this solution.

The warm side of the insulated panel joint must be sealed together with the top side. All joints and penetrations should be sealed appropriately.

The surface of the support that the zinc is to be laid on, must be even to within 2mm.

Clips and screws



It is important that all screws and clips used on an insulated metal panel must be flush to the surface of the panel within 2mm. For instances where this is not the case it is possible to use clips with a raised section that allows free thermal expansion and contraction of the zinc panel without any risk to the underside of the zinc.



Note:
The information relating to the installation of panel, clips and membranes is indicative only.

The choice and installation of these products will be according to the recommendations of the panel manufacturer.

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