

Installation Guidelines

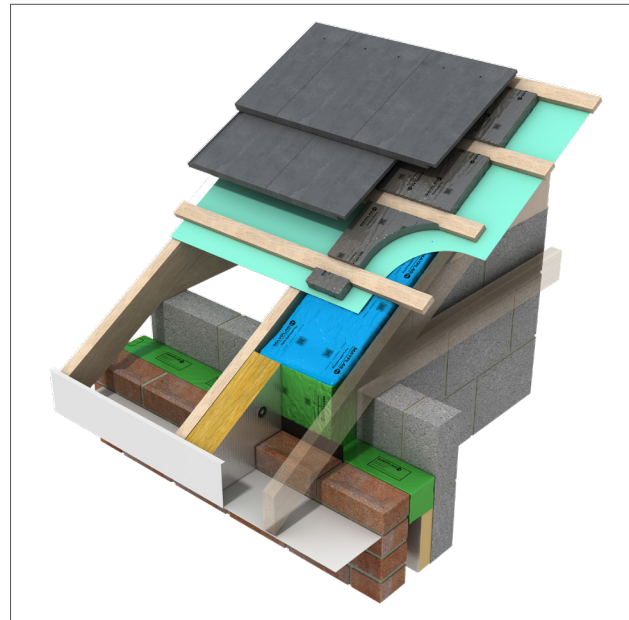


The Mayplas Party Wall Head System is intended to provide fire protection compartmentation at the party wall junction above a twin spandrel panel in masonry or timber frame applications.

The Party Wall Head System comprises two Mayplas components:

- 1: Party Wall Head Cap - fitted over the entire width of the spandrel panels, under a breather membrane.
- 2: Tile Batten Barrier - fitted over the Breather Membrane and Party Wall Head Cap, into which the counter battens are installed.

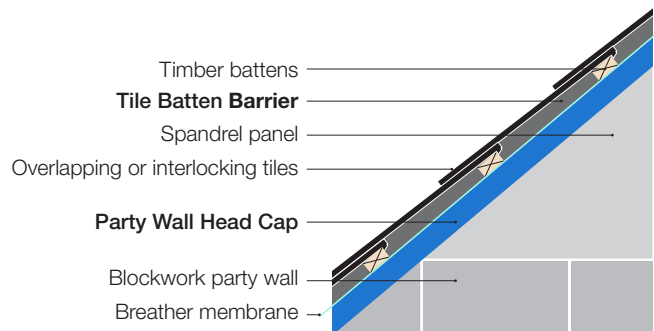
The system is for scenarios at a party wall junction where two framing systems meet. It is permitted that this product may be used above a rigid party wall construction formed from timber or block/brick or concrete, with each 'skin' of the party wall having a minimum thickness of 75mm, and a minimum party wall cavity depth of 50mm.



Party Wall Head System in-situ - construction by others

Installation of the Party Wall Head Cap

- The Party Wall Head Cap is supplied in 1.2m lengths allowing easy on-site handling and quick laying.
- To select the correct Mayplas Party Wall Head Cap width determine the width of the party wall. (This should be across the full width of the twin spandrel panels).
- The Party Wall Head Cap barrier extends across the total width of the spandrel panels, such that it fits flush with the outer edges of the timber/masonry spandrels.
- The Party Wall Head Cap has flanges on it which need to be stapled at 150mm centres when applied to a timber frame spandrel with fixings applied to the vertical surfaces of the spandrel panels (image above).
- The Party Wall Head Cap must be compression fitted by a minimum of 10mm.



Cross section of roof including Party Wall Head System

Roof Pitch

The Party Wall Head Cap may be installed in a roof system that is 'flat', or with a pitch up to 40 degrees.

Breather Membrane

- A Breather Membrane (PermAvent or equal and approved) may be installed above the Party Wall Head Cap which sits across the party wall junction.
- The Party Wall Head Cap should be fitted below the breather membrane such that there are no voids between the party wall cap and the membrane.
- The membrane is not required to have a classification in accordance with BS EN 13501-1.
- Alternative membranes may be utilised providing their density is no greater than 130g/m².

Installation of the Mayplas Tile Batten Barrier

The Mayplas Tile Batten Barrier is supplied in 1.2m lengths allowing easy on-site handling and making for quick laying on top of the Mayplas Party Wall Head Cap barrier to complete the system.

- 1 Position the Mayplas Tile Batten Barrier at the party wall line above the breather membrane directly above the Party Wall Head Cap barrier. (Illustration 1)

- 2 Place the tile battens on top of the Tile Batten Barrier. (Illustration 2)

- 3 25mm high x 50mm deep kiln dried cedar timber wood battens are to be fitted at no more than 362.5mm centres (measured at the centre, not the edge of the battens).

These battens are installed perpendicular to the direction of the timber framing system and are mechanically fixed to 50mm high battens running parallel with the timber framing system.

Note: Tile battens are nailed (not through the barrier), compressing the barrier where the two cross.

- 4 Use a knife to make a single score through the Mayplas Tile Batten Barrier where the battens have been positioned (central to the batten).

This releases compression within the barrier and allows recovery to the design depth either side of the timber batten, ensuring a tight fit with the roof tiles and a minimum compression of 5mm. Care must be taken to not damage the breather membrane. (Illustration 3)

- 5 Work the tile batten down into the cut in the insulation compressing the free material.

The upper edge of the tile batten should be covered by the now cut insulation as shown: (Illustration 4)

- 6 Before moving on, check the insulation has recovered to a height that will fill any void under the roof tile when fitted. Where necessary, work the material so that no gaps will remain once the tiles have been fitted.

Up to one joint is permitted between battens at no less than 50mm from any batten.

Where possible, full uncut barrier sections should fill the gap between battens.

Installation of the Roof Tiles

- Roof tiles are hooked onto the counter batten and nailed down using the specified fixings.
- Ensure there are no gaps or voids between the batten and underside of the roof tile.
- Tiles should be constructed of concrete, or similar non-combustible substrate and fitted so that the Tile Batten Barrier is under 5 - 10mm compression to ensure a gap free fit.

