

1: Cavities, structural supports, battens and membranes

Information and drawings courtesy of the Timber Decking and Cladding Association. Drawings are indicative only and not to scale. For further information visit www.timbercladding.org

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Timber cladding should provide adequate weather protection. But not all wind driven rain will be deflected, so a well-ventilated, free draining cavity should always be included in the detailed design.

This should be a minimum of 21mm for a solid masonry structure. However, the more open the cladding style, the wider the cavity required. On timber frame buildings, the minimum sized batten (21mm) may be used so long as its position coincides with wall studs.

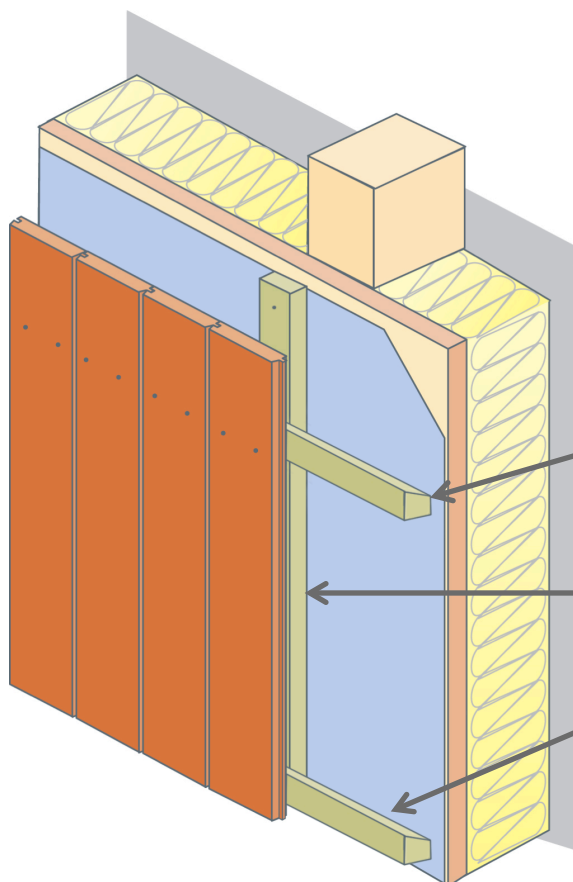
Specify softwood battens pressure treated for a use Class 3 application. Battens should be at least twice the thickness of the boards. Use double battens where the ends of two boards abut.

Ensure horizontal battens do not impede ventilation and drainage of the cavity.

All openings into the cavity should be fitted with insect mesh; a breather membrane is not essential for cladding fixed to a masonry building with cavity walls.

Where cladding is fitted to an existing building with solid walls, the wall should be given a waterproof coating, membrane or wax treated insulation board.

For timber frame properties, the inner wall structure should be fitted with a durable and tear resistant breather membrane in accordance with Type 1 membranes in BS4016.



Space battens at 600mm centres. For high moisture content species like green oak use 400mm centres

Use counter battens to improve ventilation

Angle the top surfaces of horizontal battens to aid drainage away from the cladding