

How to Install Jakoustic Plus (Absorptive) Fencing

Thank you for choosing Jacksons Fencing. Our high quality fencing products will last for years and give you trouble-free service if you follow the installation instructions below, which are offered as a general guide.

Follow standard installation instructions with the addition of the following on completion of Jakoustic installation (see dwg J704177).

Please note that the following instructions and the absorptive layer are not compatible with our 12K system.

- 1) Identify which side of the fence is to be fitted with the absorptive layer. Generally this is the side with the noise source.
- 2) If this is the 'post side' of the fence, then the membrane must be hung (note 8 below) so that the edge is tight up against each spur post or tight to the flange of the I-beam and nail batten. This allows the vertical half round battens to properly clamp the membrane in place and prevent it being blown out by the wind.
- 3) If the absorptive layer is to be installed on the 'flat' side of Jakoustic Commercial and Highway, ensure that every horizontal batten is secured through to the nail battens at the post positions, using the 100mm timber screws, driving heads below surface (where they cross) – THIS IS IMPORTANT & REPLACES THE COVER BOARD. If on the flat side of the fencing the battens can be continuous.
- 4) Fit horizontal absorptive insulation layer support battens (approx. 45x34mm) across fence bay ensuring they are fixed to the side of fence requiring acoustic absorption, using 75mm nails. Support battens to be fitted with 600mm gaps between, 34mm to view; ensuring bottom batten is 50mm above ground level.
- 5) If installing between I-beam posts, fix additional absorptive insulation layer battens vertically beside each post, to give a surface to fix the half round battens to, in order to fully secure the membrane at the edge of each bay. Additional battens will need to be ordered to allow for this.
- 6) 1200x600mm absorptive insulation layer pieces to be placed tightly between each pair of support battens with an additional infill piece to the end, cut to suit (if required).
- 7) Measure the distance from the top of the top board down to the bottom of the bottom batten. Add 250mm to get your membrane cut length. Handle and cut the membrane carefully as it can split, and make sure the cut is square.
- 8) The counter rail on absorptive side is 70x45 planed - this replaces the 70x35 counter rail. Using the 70x45 counter rail to trap the membrane in position, screw to top board as counter rail. The top row of absorptive insulation layer will need to be cut to suit the gap between top batten & counter rail.
- 9) Drop the membrane down the front of the fence & trap the base of the membrane behind a horizontal 45x34 timber batten, which is nailed under the existing bottom batten. 2no drops of membrane per bay have been allowed.

The fence is then finished using \varnothing 50mm half-round battens. These are nailed vertically to the horizontal battens (50mm nails) at nom. 300mm centres (unless specifically requested and agreed at a different spacing). Make sure the vertical joints between adjacent drops of membrane are covered neatly. Any joints between \varnothing 50 half-rounds must be made on a horizontal batten with both ends fixed, preferably at high level.

Safety Notes:

Biocidal Products Regulation (EU528/2012):

Jakured articles incorporate biocidal products to protect against wood destroying organisms.

Active ingredients include: Copper(II)Carbonate / Copper(II)Hydroxide / Propiconazole / Tebuconazole
Wear gloves when handling freshly treated wood. Avoid breathing dust when cutting.

Dispose of off-cuts responsibly – do not burn.

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