

Our Celotex Roof & Floor Insulation Kits - with Nil Condensation Risk



- Proven to have Nil Condensation Risk - when installed correctly
- Now supplied with the superb Celotex Foil back insulation board - as standard.
- Improves the Thermal Insulation of your building, both in the roof and the floor
- Easy to fit - no special skills or extra tools required

Economical - half the price of other insulation systems and less than half the install time too!

- Our special insulation kits employ a warm roof system, which means they are fitted on top of the cabin roof and not underneath. A much neater and effective system and also quick to install. You still see the lovely timber roof and joists inside your cabin with no loss of headroom within the cabin either.
- Our kits allow the existing factory supplied fascia to be used, in most cases
(some corner buildings may require new fascia boards due to the increased roof angles involved in fitting the roof kits)
- We arrange delivery of the insulation kits at the same time as your cabin - when Bosanco arrange the onward delivery of your Lasita Maja log cabin order.



How To Install our Celotex Roof & Floor Insulation Kits to your Log Cabin

(Please read these instructions in full prior to starting, to make the job easy to understand)

- 1) You will receive all the parts that you will need, to insulate the roof and the floor, of your building Our special tried and tested insulation kits comprise of the following parts,
 - a) 2.4m Sawn and treated battens - to form the perimeter around your roof to retain the insulation board
 - b) 1600mm wide Reinforced Thermo Reflective and Vapour Control Layer (special silver quilted membrane)
 - c) Thermo Reflective Aluminium Tape - used to seal all joints in the roof insulation and over the floor joists
 - d) Insulation Board - a Celotex Foil 2 sides rigid insulation board - 25mm thick measuring 2400 x 1200mm
 - e) 11mm thick solid sheet boarding (OSB) measuring 2440 x 1220mm or 2400 x 1200mm
 - f) 40mm screws - only to be used to fit the perimeter batten down to the roof boards and to suspend the floor insulation
 - g) 50mm screws - to be used for screwing down through the OSB when on the Celotex and into roof boards & battens.



Here is an image of how your insulation kit might look when it arrives with you. You can see the components that we use in our Celotex insulation kits in this image.

We supply,

the Celotex, foil both sides, insulation board, the special VCL (Vapour Control layer) screws in 40mm and 50mm length, the 25x38 treated battens and thermo reflective aluminium tape.

- 2) Build your log cabin as you usually would but leave the internal floor fitting for now.
Fit your roof boards as usual but do not felt or fit shingle tiles yet.



This image shows the log cabin roof boarded with the t&g roof boards, supplied with a typical log cabin. These are usually 18mm-20mm thick in good quality buildings.

- 3) The sawn treated perimeter batten needs fixing to your roof. The batten is provided in 2.4m lengths for ease of handling. Start at the front left hand corner of your roof. Fit the batten with the 38mm wide face lying down flat on your roof and flush with the edge of your roof. Fix through into the roof boards with the 40mm long screws Do this all along the perimeter of your roof, including up the gable ends to the ridge point. The battens will now fully edge the roof



You can see the perimeter edge batten fixed on this log cabin at the bottom of the roof and the gable ends to the ridge. They can be fitted on top of the membrane too to help hold it flat on the roof. This will stop it lifting in the wind, whilst you complete the insulation kit installation

- 4) After fitting the perimeter batten, you then need to fit the special membrane over the whole roof. Fit the membrane with a minimum of 100mm of overlap. Then tape all the joints and seams with the foil tape provided. This seals the roof area fully.



- 5) Once the roof is covered with the special membrane, then the fitting of the 25mm insulation board is the next step. This is a simple task of dropping in the full size sheets flush up against the internal edges of the perimeter batten and onto the roof. The perimeter has created a lip for you to then infill the whole area with the insulation board. Cutting of the sheets to size to fill in the area will be required. This is easily achieved with a stanley knife by scoring across the board front and rear and snapping it over a straight edge, by using a saw, or just scoring it through and through until the board is cut fully.



Here you can see a roof fully fitted with the insulation board and the joints all taped up with the foil tape. Then next the OSB board needs fitting over the top of the insulation board.

- 6) Once the roof is fully fitted with the insulation board then you need to tape up all the joints and seams. As showing in the image above. This in effect gives you one giant sheet of insulation covering your whole roof area.

- 7) The next job is to fit the 11mm thick solid sheet roof boarding (OSB) over the top of the insulation. Fit your first whole sheet flush with a bottom edge and the leading up to the ridge. Screw the board edge into the roof batten and roof board below using 50mm screws. When screwing in the 50mm screws they should be screwed only just below the surface of the solid sheet board. The 50mm screws are specifically supplied so you can screw the board and fix the system together and into your original log cabin roof but not through the roof to the underside. If you screw the 50mm screws deep into the top board, it is likely that you will see the tip of the screw in your roof from the inside of the building and you don't want that, so it is important to only screw the screws in just far enough into the top solid sheet board.



Here you can see the roof almost completed and ready for the felt or felt shingle tiles to be fitted.

You should lay full size OSB sheets where you can and then fill in the spaces left with smaller cut to size boards. You can see that smaller infill's need to be cut to fill the roof area. The solid sheet boards can be cut to size using a hand saw, jigsaw or circular/skill saw.

- 8) With the roof fully finished and boarded over it is time to fit your felt and/or felt shingle roof tiles, as recommended in your assembly plans for your cabin.



9) Now onto **Insulating your floor.**

The insulation board provided is 25mm thick. The insulation board needs to be fitted below your floor boards but must be off the ground to prevent moisture rising up from the floor into your cabin. Using the 40mm and/or 50mm screws, fix these 30mm below the top of your floor joist and about 600mm apart. The screws then act as supports onto which you push down the insulation board. The board is then suspended in between your floor joists and on top of the screws. You will need to cut the insulation board to the width of the void in your floor joists. The insulation board can be easily cut to the size required with a stanley knife or similar blade.

Once you have filled in between all the floor joists with the insulation board, then you should tape all the joints and seams using the foil tape provided.

Here are some images of one a log cabin floor having being insulated.



Once the insulation has begun between the floor joists, you should begin laying your cabin floor boards. If you lay part of the insulation in the floor and then board over it with your cabin floor boards you won't need to worry about standing on the insulation board and accidentally pushing down past the screws and damaging it. Do the insulating and the laying of the floor boards simultaneously, for the best results.



Our Superb Celotex Roof & Floor Insulation Kits - Job Done !