



FOR WALLS



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Measure  
twice, cut  
once!

### USEFUL TIPS



When cutting Eco-Liner use a fine toothed saw from the plasterboard side and ensure eye protection and gloves are worn. Ideally cut boards in a well ventilated area.



For sockets, measure and cut the hole for the socket using a pad saw.



For external corners, channel out the insulation to accommodate the adjoining board. For internal corners channelling is not required, however ensure continuity of insulation.



Board joints should be as central as possible when installing around a window.



Window Reveals - Use a thin 37.5mm Eco-Liner board and apply drywall adhesive to the back of the board or wall to secure in place.

## GUIDANCE FOR INSTALLING ECOTHERM ECO-LINER

DRY LINE & INSULATE INTERNAL WALLS IN ONE APPLICATION

### FIXINGS

Use Anchor Fixings for fixing through to masonry



Use self-tapping wood screws for fixing through to timber noggins / battens.



### FITTINGS

**Light-weight items** (up to 8kg)  
- Self-drilling drywall anchor fixings



**Medium-weight items** (up to 20kg)  
- Steel expanding cavity fixings ('umbrella' fixings)



**Heavy-weight items** (over 21kg)

For heavy-weight items the fixings should penetrate through the EcoTherm Eco-Liner into the masonry substrate / pre-treated timber battens or noggins. The position of these heavy fixtures should be identified prior to work being carried out to ensure adequate support is provided.

**If in doubt** - please consult the fixing manufacturer for advice / recommendations on suitable fixings for your specific requirement.

EcoTherm Eco-Liner internal wall insulating system is not Green Deal / ECO approved. The information included in this literature is for guidance purposes only, given in good faith and applies to uses described only. Recommendations for use should be verified for compliance with requirements, specifications and any applicable laws and regulations. Eco-Liner has been verified for its performance as an IW1 product by the leading construction products certification body BBA under certificate no. 14/5157 Product Sheet 3.

### SO WHY STOP THERE?

Ensure your loft is up to current regulations - give our technical department a call for further information on **01268 597212/13** or email **technical@ecotherm.co.uk**

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Please consult EcoTherm for details of BBA certificate numbers for specific products

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DOT & DAB AND MECHANICALLY FIXED APPLICATIONS

## IMPORTANT

**DO NOT USE ECO-LINER TO HIDE OR ISOLATE DAMP OR WET WALLS. ASSESS WALLS TO IDENTIFY SUITABLE ECO-LINER INSTALLATION METHOD.**

For further advice please contact our technical department on **01268 597214/213** or **technical@ecotherm.co.uk**

## BEFORE YOU START ECO-LINER INSTALLATION

- ✓ Place dust sheets down to protect carpets / flooring.
- ✓ Remove room fittings (skirting boards, picture rails, curtain rails, dado rails, coving, doorframes, radiators, socket facings etc).
- ✓ The wall should be clean, dry and free from protrusions. Strip gloss paint or vinyl wallpaper.
- ✓ When installing onto existing plastered walls using adhesive method, a bonding agent must be applied and allowed to fully dry prior to Eco-Liner installation.
- ✓ Make space and prepare the area.
- ✓ Ensure tools and materials are accessible.
- ✓ Set out the positioning of Eco-Liner.
- ✓ Cut required Eco-Liner boards accordingly ready for installation – allowing 15mm off the floor to ceiling height.
- ✓ Consideration should be given to windows, sockets, doors, phone cables etc.

## HANDLING & CUTTING

- Do not drop boards.
- Damaged boards should not be used.
- Wear appropriate hand and eye protection.
- To cut use a fine tooth saw.
- Do not breathe dust, avoid contact with skin and eyes.
- Ideally all operations which produce dust should be carried out in well ventilated conditions; where possible a dust mask should be worn.
- Boards should be kept dry at all times. Boards that have been allowed to get wet should not be used.



## INSTALLATION GUIDELINES FOR FIXING ECOTHERM ECO-LINER USING DRYWALL ADHESIVE

Suitable for: Brick, block or concrete solid walls or cavity walls with any friable material removed



Mix up drywall adhesive as per manufacturer guidelines.



Trowel a continuous ribbon of adhesive around all wall edges, openings and service penetrations.



Adhesive dab sizes should be 10-25mm thick, 50-75mm wide and 250mm long. At least 18 dabs per board are required, typically at 600mm centres – no less than 20% contact.



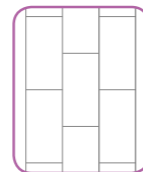
When fully dried (at least 24 hours), drill through into the masonry and fix a minimum of 2 nailable plugs per board, 15mm in from each edge (approx. 1600mm up from the floor). Plugs should penetrate a minimum of 25mm into the existing solid masonry. Tighten the screw heads to just below flush.

### TIP

A small strip of plasterboard is ideal as a level to rest the Eco-Liner on when placing into position.

Place Eco-Liner into position. Ensure adjoining boards are tightly butted.

Tap the board into position using a straight edge and check level. Come around the internal wall a minimum of 400mm. Board joints must be staggered (break bonded).



## FINISHING DETAILS



Tape and joint in accordance with standard good dry lining practice and/or skim as appropriate.



Seal gaps with PU expanding filler foam between the floor and the Eco-Liner board.



Apply flexible water based sealant around windows, door frames, ceilings, sockets, wiring, pipework, between the skirting board and the floor.



Your wall is now ready to be decorated.

For alternative installation methods please contact EcoTherm Technical Services

Complete fuss-free technical support

**We have it covered**

Need a U-value calculation? Use EcoTherm's online calculator for an instant answer to what Eco-Liner thickness you need for your project - find it 24/7 at:



## INSTALLATION GUIDELINES FOR MECHANICALLY FIXING ECOTHERM ECO-LINER ON TO BATTENS

Suitable for: Stone, random rubble, brick, block or concrete solid walls or cavity walls with any friable material removed



25 x 50mm treated timber battens should be used to install Eco-Liner. 100mm DPC strips should be cut and stapled to the back of the battens prior to fixing to the wall. Mark the walls to indicate the position of the battens.



USE A DETECTOR TO ENSURE NO CABLES, PIPES OR WIRES ARE RUNNING WITHIN THE WALL

Fix vertical battens to the wall at a maximum of 600mm centres. Hold timber in place, drill through the timber into the wall and secure in place using wood screws and wall plugs or nailable plugs (see fixings). Timbers can be packed out to ensure a level surface. Horizontal battens should be installed at the top and bottom of the wall.



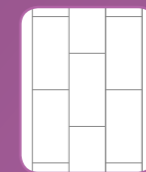
Fixings should penetrate a minimum of 45mm into the existing solid masonry and fixings should be no more than 600mm apart and 75mm in from the end of each timber batten.



Fix battens around all wall edges, openings and services. Come round the internal wall a minimum of 400mm.



Place Eco-Liner in position. The board must meet the centre lines of the timber battens. Board joints must be staggered (break bonded).



Secure Eco-Liner to the timber battens using drywall screws at 300mm centres and 200mm centres, around openings / external corners. The fixing should penetrate at least 25mm into the timber. Fixing should be no less than 10mm in from the edge of the board.