

# How To Effectively Insulate Your Shed For Use All Year Round

Ecohome-Insulation offers two different insulation products for effectively insulating your Timber Garden Building for use all year round.

## **EcoTec** *Shed Insulation Kit*



## **EcoPro** *Shed Insulation Kit*



The benefits of using Multifoil Insulation products in garden rooms is that the product will effectively reflect away cold during winter months, while reflecting the warmth back. In the warmer months of the year this will do the opposite, reflecting the excess warmth away—keeping your garden building at a comfortable temperature all year round!



# **EcoTec**

## ***Shed Insulation Kit***

- ✓ Highly Reflective True Aluminium Foil
- ✓ 1050mm x 50m (Covers 52.5m<sup>2</sup>)
- ✓ Thin, Flexible and Easy to Install
- ✓ High Performing Vapour Control Layer
- ✓ Insulating Air Bubble Membrane
- ✓ Equivalent to around 50mm of Glasswool
- ✓ Suitable for All types of Garden Buildings
- ✓ Reflects Excess Heat Away during Summer
- ✓ Reflects Cold away during the Winter
- ✓ Only 4mm Thick
- ✓ UK Manufactured

# **EcoPro**

## ***Shed Insulation Kit***

- ✓ Highly Reflective Multifoil Insulation
- ✓ Includes Foil Tape, Staple Gun, Staples & Knife
- ✓ Thin, Flexible and Easy to Install
- ✓ High Performing Vapour Control Layer
- ✓ Equivalent to around 100mm of Glasswool
- ✓ Suitable for All types of Garden Buildings
- ✓ Compresses to 6mm Thick
- ✓ Reflects Excess Heat Away during Summer
- ✓ Retains Heat in the Winter Months
- ✓ UK Manufactured



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# How Much Insulation Do I Need To Insulate My Timber Garden Building?

## Roof and Walls Only

| Length (Ft) | Width (Ft) | <b>EcoTec</b><br>Shed Insulation Kit | <b>EcoPro</b><br>Shed Insulation Kit |
|-------------|------------|--------------------------------------|--------------------------------------|
| 5           | 5          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 5           | 7          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 7           | 7          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 8           | 6          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 10          | 6          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 8           | 8          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 12          | 6          | 45m2 Kit                             | 1 x 37.5m2 Kit                       |
| 10          | 8          | 45m2 Kit                             | 1 x 37.5m2 Kit                       |
| 12          | 8          | 45m2 Kit                             | 1 x 52.5m2 Kit                       |
| 10          | 10         | 45m2 Kit                             | 1 x 52.5m2 Kit                       |
| 14          | 8          | 45m2 Kit                             | 1 x 52.5m2 Kit                       |
| 16          | 8          | 60m2 Kit                             | 1 x 52.5m2 Kit                       |
| 18          | 8          | 60m2 Kit                             | 2 x 37.5m2 Kits                      |
| 16          | 9          | 60m2 Kit                             | 1 x 52.5m2 Kit                       |
| 12          | 10         | 45m2 Kit                             | 1 x 52.5m2 Kit                       |
| 10          | 14         | 60m2 Kit                             | 1 x 52.5m2 Kit                       |
| 12          | 12         | 60m2 Kit                             | 1 x 52.5m2 Kit                       |
| 14          | 14         | 60m2 Kit                             | 2 x 37.5m2 Kits                      |
| 16          | 10         | 60m2 Kit                             | 2 x 37.5m2 Kits                      |



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# How Much Insulation Do I Need To Insulate My Timber Garden Building?

## Roof, Walls and Floors

| Length (Ft) | Width (Ft) | <b>EcoTec</b><br>Shed Insulation Kit | <b>EcoPro</b><br>Shed Insulation Kit |
|-------------|------------|--------------------------------------|--------------------------------------|
| 5           | 5          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 5           | 7          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 7           | 7          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 8           | 6          | 30m2 Kit                             | 1 x 37.5m2 Kit                       |
| 10          | 6          | 45m2 Kit                             | 1 x 37.5m2 Kit                       |
| 8           | 8          | 45m2 Kit                             | 1 x 37.5m2 Kit                       |
| 12          | 6          | 45m2 Kit                             | 1 x 52.5m2 Kit                       |
| 10          | 8          | 45m2 Kit                             | 1 x 52.5m2 Kit                       |
| 12          | 8          | 45m2 Kit                             | 1 x 52.5m2 Kit                       |
| 10          | 10         | 60m2 Kit                             | 1 x 52.5m2 Kit                       |
| 14          | 8          | 60m2 Kit                             | 2 x 37.5m2 Kits                      |
| 16          | 8          | 60m2 Kit                             | 2 x 37.5m2 Kits                      |
| 18          | 8          | 75m2 Kit                             | 2 x 37.5m2 Kits                      |
| 16          | 9          | 75m2 Kit                             | 2 x 37.5m2 Kits                      |
| 12          | 10         | 60m2 Kit                             | 1 x 52.5m2 Kit                       |
| 10          | 14         | 75m2 Kit                             | 2 x 37.5m2 Kits                      |
| 12          | 12         | 75m2 Kit                             | 2 x 37.5m2 Kits                      |
| 14          | 14         | 90m2 Kit                             | 2 x 52.5m2 Kits                      |
| 16          | 10         | 75m2 Kit                             | 2 x 37.5m2 Kits                      |



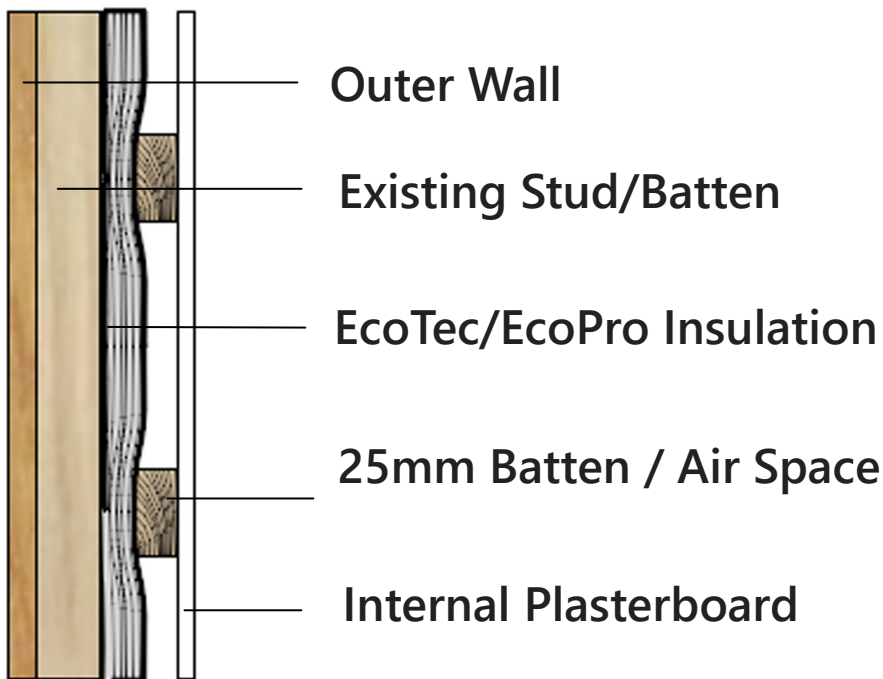
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## Fixing Instructions

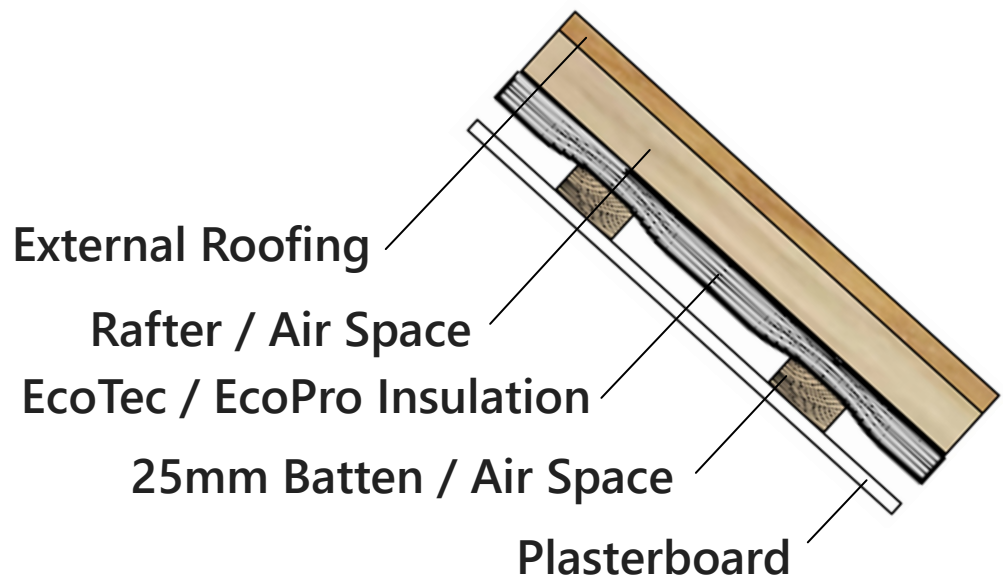
Ecohome-Insulation recommend having an air space on either side of the Foil Insulation Material as this air pocket will help the foil to reflect.

This can be created by stapling the insulation onto studwork or onto wooden battens. The minimum depth required would be 25mm however if a larger airgap is present this would only benefit the insulation

### Walls

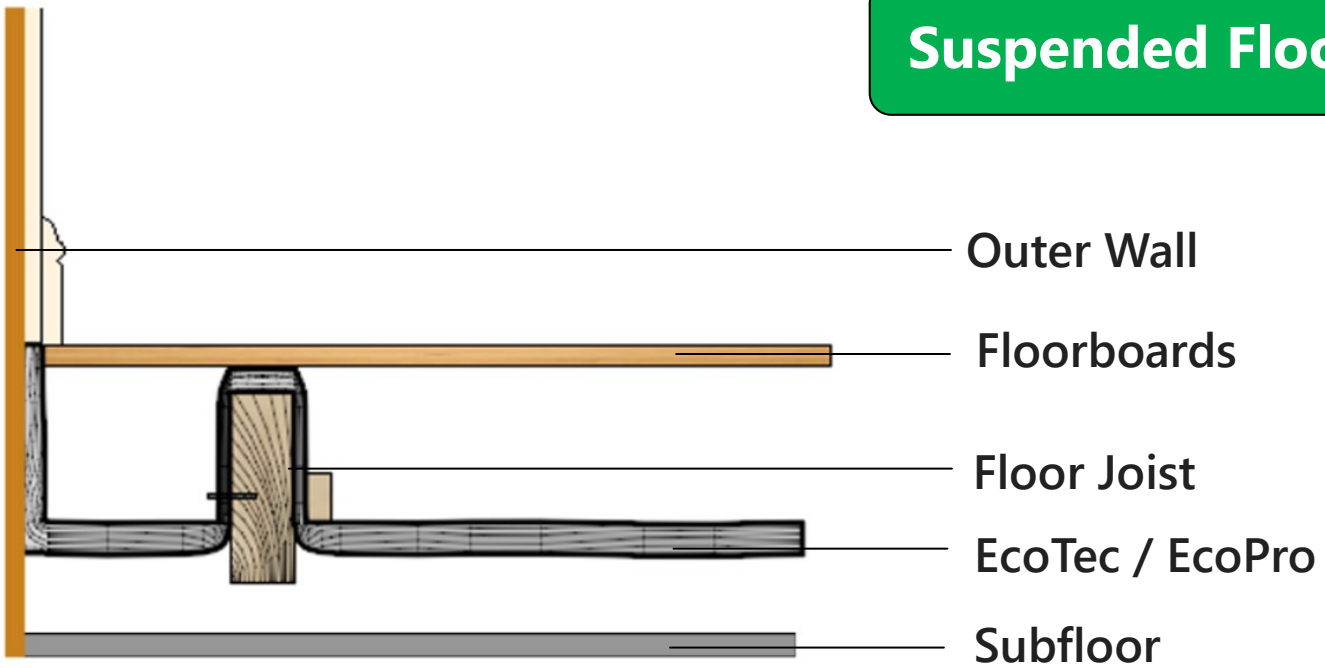


### Roof

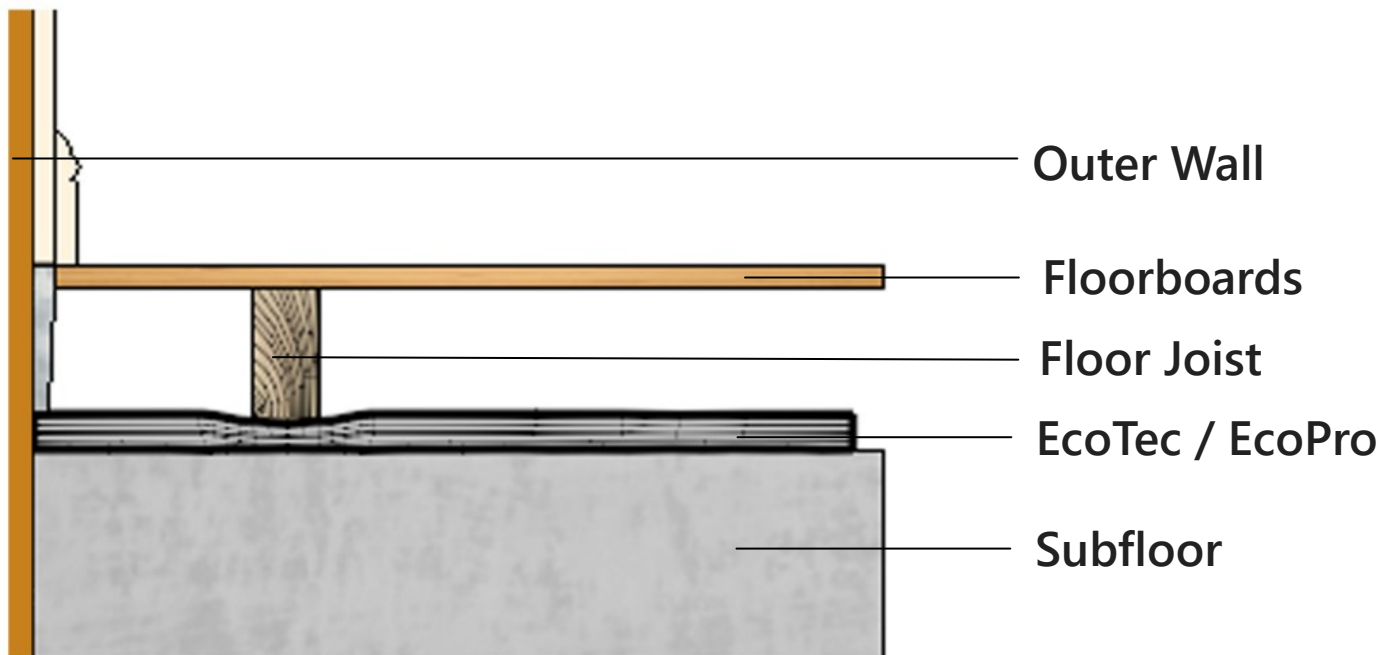


We recommend taping and sealing over all joints and overlaps on the Roof and Walls (overlaps should be 50mm) with ThermaSeal Foil Tape which is provided in each Shed Insulation Kit. This will help the products to act as high performing vapour control layers.

## Suspended Floors



## Floating Timber Floors



We recommend taping and sealing just around the perimeter of the Floor with ThermaSeal Foil Tape, leaving the overlaps un-taped. This will allow any moisture to escape into the void below.

## Technical properties

### **EcoTec** *Shed Insulation Kit*

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| <b>Thickness:</b>                | <b>4mm</b>                                                 |
| <b>Thermal Resistance:</b>       | <b>Approx. 1.454</b>                                       |
| <b>Weight:</b>                   | <b>200g m<sup>2</sup></b>                                  |
| <b>37.5m<sup>2</sup> Length:</b> | <b>25m</b>                                                 |
| <b>37.5m<sup>2</sup> Width:</b>  | <b>1500mm</b>                                              |
| <b>52.5m<sup>2</sup> Length:</b> | <b>50m</b>                                                 |
| <b>52.5m<sup>2</sup> Width:</b>  | <b>1050mm</b>                                              |
| <b>Components:</b>               | <b>2 Layers of True Aluminium with Air Bubble Membrane</b> |

### **EcoPro** *Shed Insulation Kit*

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Relaxed Thickness:</b>    | <b>15mm</b>                         |
| <b>Compressed Thickness:</b> | <b>6mm</b>                          |
| <b>Thermal Resistance:</b>   | <b>Approx. 2.272</b>                |
| <b>Weight:</b>               | <b>400g m<sup>2</sup></b>           |
| <b>Length:</b>               | <b>10m</b>                          |
| <b>Width:</b>                | <b>1500mm</b>                       |
| <b>Components:</b>           | <b>6 Layers of Foil and Wadding</b> |



**ECOHOME INSULATION**

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