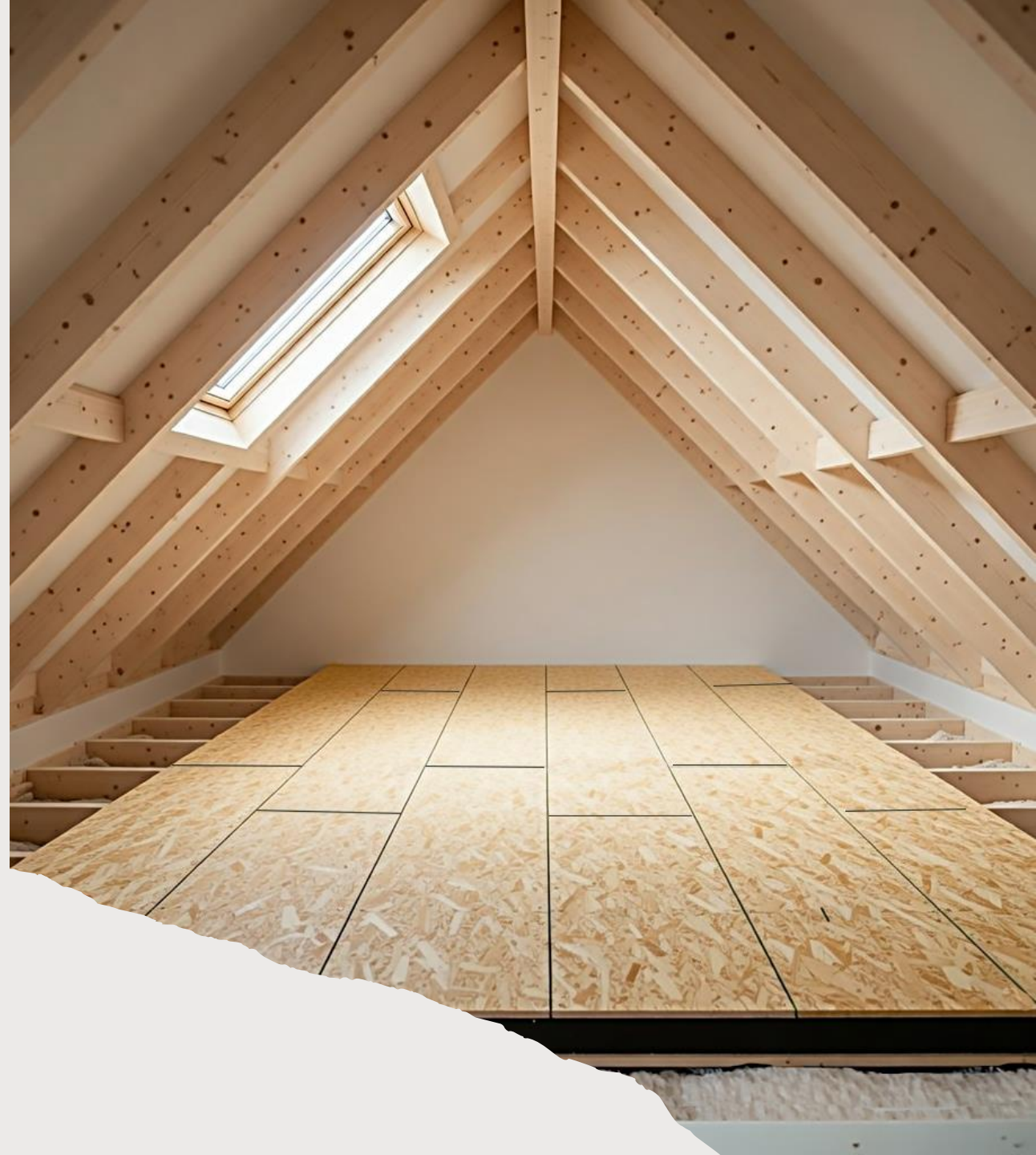
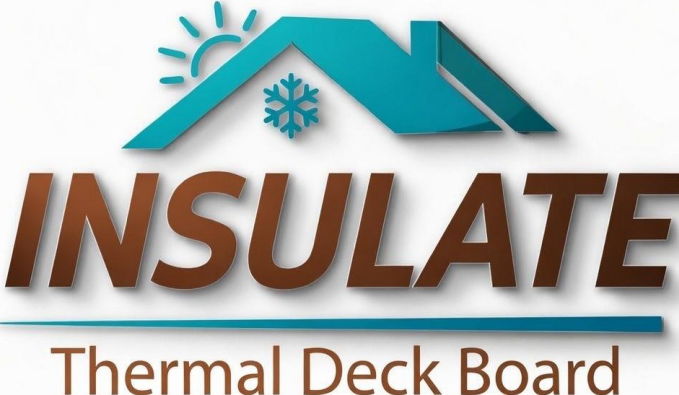


INSULATE
Thermal Deck Board

**Revolutionary Insulated
Walk-on Loft Board**





INSULATE
Thermal Deck Board

The logo features a stylized teal roofline with a sun icon on the left and a snowflake icon on the right. Below the roofline, the word "INSULATE" is written in a large, bold, brown serif font. Underneath "INSULATE", the words "Thermal Deck Board" are written in a smaller, brown sans-serif font.

Benefits



Add Value to your Home with Superior Thermal Performance

- Achieve a better EPC rating for your home and add valuable, walk-on storage space. Insulate and board in one! Ideal for lofts where access is tight and time is limited.



Easy to Install

- An ideal DIY project or a quick job for the professionals, no jacks, spacers or brackets to spend hours lining up. Thanks to the pre-inserted spline, panels slot together with precision, no fiddly taping or sealing on-site.



Draft proof by Design

- The integrated spline ensures a snug, continuous fit, improving energy efficiency and airtightness in the loft space.



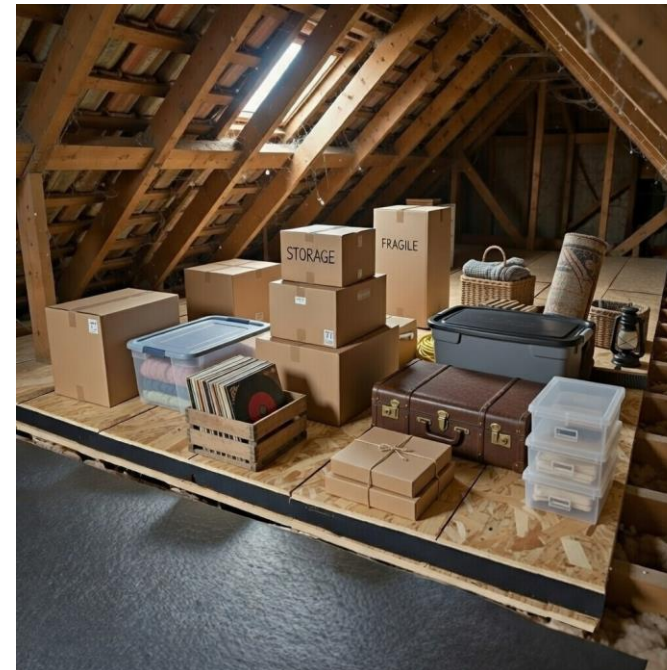
Built Tough

- High compressive strength and moisture resistance make it perfect for storage areas and walk-on application.



Eco Option Available

- Slightly lower thermal performance and butt jointed for on site cutting and jointing.





Two Great Options

Premium and Eco

Premium 91mm thick board

- U value of 0.38 W/m²K .
- Needs only 100mm (4") of Rockwool between the rafters to achieve a U value of 0.18 and an EPC rating of A for the roof component of a survey.
- Spline jointing system for ease of installation and added thermal performance

Eco 66mm thick board.

- U value of 0.54 W/m²K
- Needs 130mm (5") of Rockwool or equivalent to achieve the overall 0.18 U value





**Premium 91mm Thick
Spline jointed for ease and
improved thermal performance**

- **Three Pack sizes available for
Home Delivery**



**1200mm x 300mm x
370mm high**

**Pack of 4 Boards for
1.42 square metres of
coverage**



Premium 91mm thick roof Insulation board



**1200mm x 1000mm x
1200mm High incl Pallet**

**Pack of 36 boards
for 12.74 Square
Metres of coverage**



66mm Eco Loft Insulation Board

Eco 66mm Thick

Butt jointed for local trimming on site.

- **Three Pack sizes available for Home Delivery**



66mm Eco Loft Insulation Board

66mm Eco Loft Insulation Board



**1200mm x 300mm x
270mm high**

**Pack of 4 Boards for
1.4 Sq metres of
coverage.**



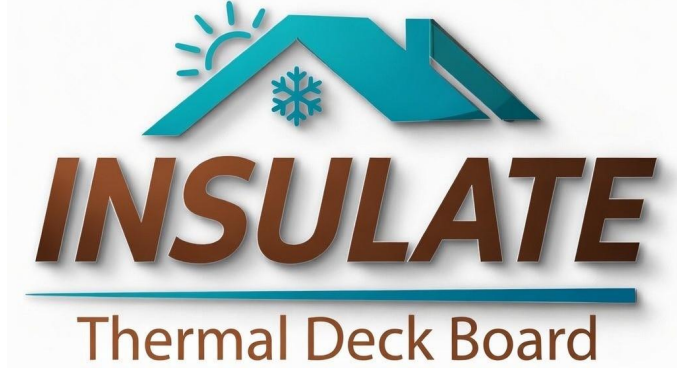
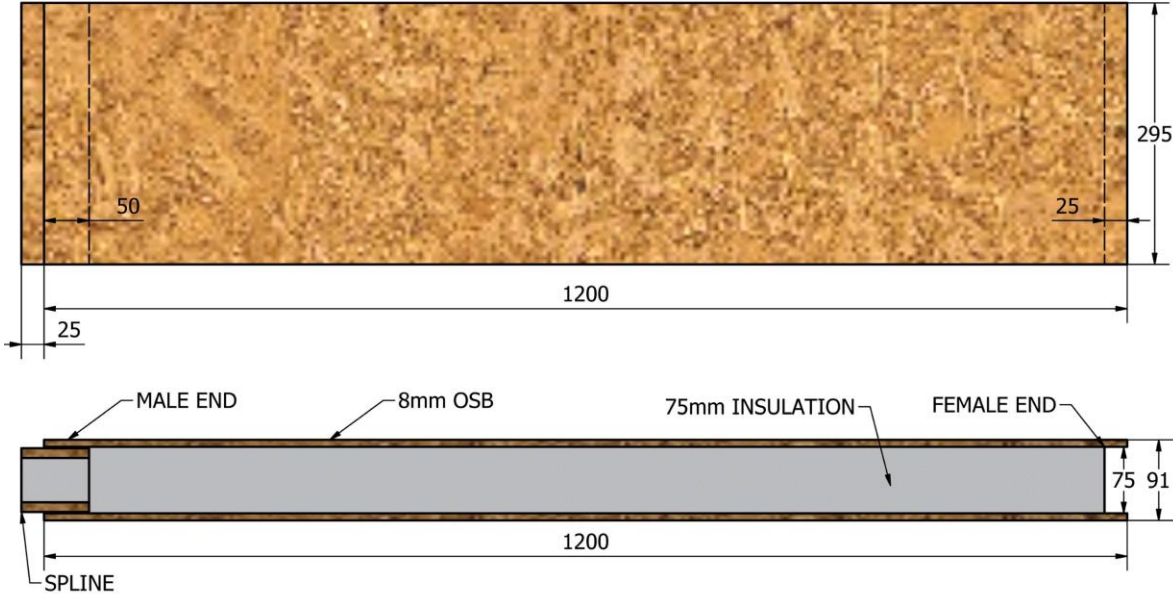
**1200mm x 1000mm x
900mm high**

**Pack of 36 Boards
for 12.64 Square
Metre coverage**

Panel Dimensions

Premium

91mm



Eco

66mm



INSULATE
Thermal Deck Board



Panel Structure and Typical Arrangement



Structure

- SIPs panel consists of two facings of OSB3 (oriented strand board) with EPS (expanded polystyrene) core bonded by adhesive, with a fixed connecting spline. Ideal Storage with full walk-on capability.



Material Detail

- 2 x Oriented Strand Board Type 3 (OSB/3) manufactured to specification EN 13986 and EN 300:2006.
- OSB/3 comprises of strands of softwood bonded together using a formaldehyde free synthetic resin.
- Core EPS (Expanded Polystyrene): Stylite Plustherm EPS (Grey),

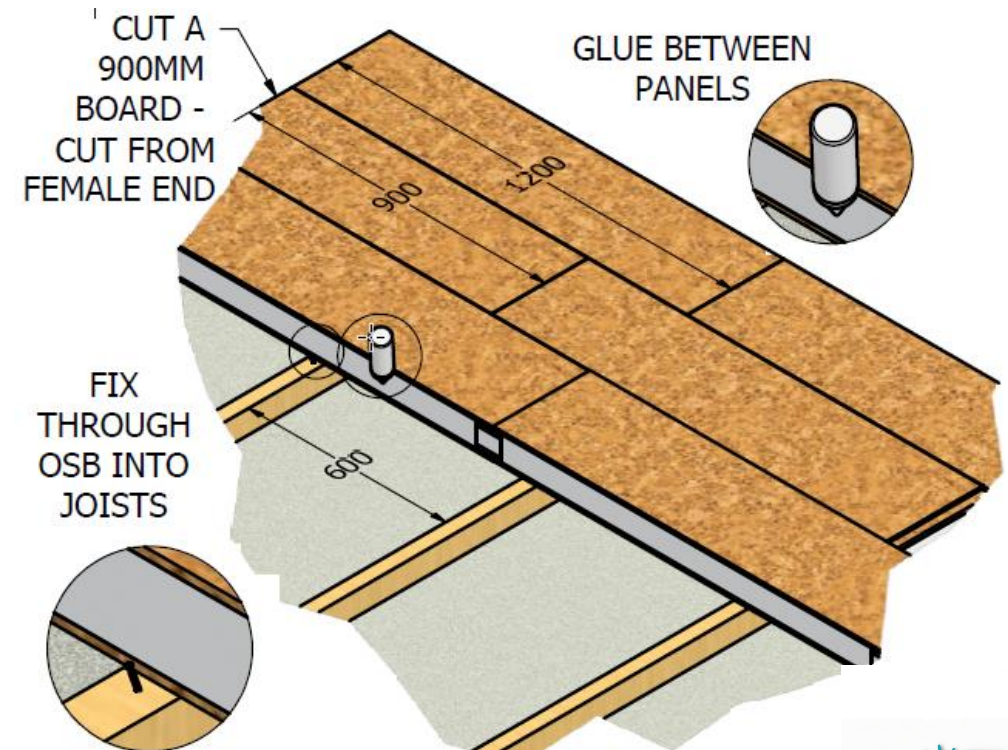


Thermal conductivity

- PREMIUM**
- 91mm SIP:** U-Value = 0.38 W/m²K or
- ECO**
- 66mm SIP:** U-Value = 0.54 W/m²K.



Premium



Eco

Thermal Performance Calcs



Insulation Value 91mm .pdf



Insulation value 66mm panel.pdf

- **91mm SIP: U-Value = 0.38 W/m²K** **66mm SIP: U-Value = 0.54 W/m²K.**

Not just a Loft Board !!





Flat Roof Deck

147mm thick board to give 0.18 U value, and a strong walk on deck ready for water-proof coating.



NOTE: When using Insulate panels for a domestic flat roof extension it is essential to install an approved vapour barrier below the panel. This is the same for all “Warm Roof” installations using SIP insulation. Please check with Building control.





Reinforced EPDM Membrane

Appropriate Overlay Board

Appropriate Thermal Insulation

Structural Joist

Vapour Control Layer

Appropriate Roof Decking

Ceiling



**Designed and
Manufactured in
the UK by:-**



SHIRE
BUILT AROUND OUR REPUTATION