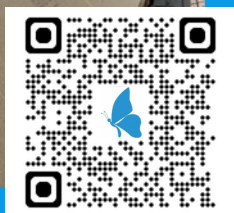




Breathable
Insulation
Systems



Isolair Multi Wood Fibre Boards

High-performance, breathable insulation for superior thermal protection and sustainable building. Rigid boards with a tongue and groove profile

Introducing Isolair Multi

Isolair Multi wood fibre insulation is a high-performance solution for both modern and traditional buildings. Manufactured using by-products of the timber and paper industries, it provides a sustainable and eco-friendly alternative to conventional materials such as glass wool, mineral wool, spray foam, and PIR.

Isolair Multi is suitable for use in the following applications:

- External Sheathing onto Timber/CLT Frames
- External Wall Insulation (EWI)*
- Flat Roof*
- Internal Wall Insulation (IWI)
- Suspended Timber Floors

*suitable for both new build and retro-fit.

With its low thermal conductivity, Isolair Multi minimises energy loss - keeping your home warmer in winter and cooler in summer, which translates to lower energy bills and increased efficiency. Its high density and excellent thermal mass also help regulate indoor temperatures by absorbing excess heat during the day and releasing it slowly at night. This prevents overheating and ensures year-round comfort.

In addition to its thermal benefits, Isolair Multi offers excellent acoustic insulation, reducing noise transfer between rooms or from outside. It's also breathable and vapour-permeable, helping to manage moisture and improve indoor air quality, making it a healthier choice for your home and the environment.

Benefits:

- Easy to Install – T&G joints aid installation, all-natural material that minimises irritation of the skin unlike some conventional insulation products.
- Air Quality – Due to its breathability and hygroscopic properties wood fibre insulation can assist in providing a purer internal environment.
- Heat Loss – Low thermal conductivity of 0.041-0.044 prevents heat loss. Therefore, the energy required to heat a property is lowered and energy bills can be reduced.
- High Density – Isolair wood fibre has a high thermal storage capacity so does not just keep you warm in the winter, it will also regulate heat and keep you cool during the summer.
- Breathable – Isolair is highly vapour-permeable, allowing moisture to pass through and escape to the outside. This helps prevent trapped moisture, making constructions with Isolair far more resistant to damp-related damage and ensuring a healthier building fabric.
- Sound Protection – Due to its high density & composition, Isolair Multi offers great acoustic performance, instantly creating a more pleasant living environment.
- Recyclable – As a by-product of the timber/paper industry, Isolair insulation promotes natural and regenerative resources. Isolair can be recycled, composted, or even incinerated for energy production.
- Carbon Locking - Pavatex is a carbon negative product through carbon sequestration, a natural process by which carbon dioxide is removed from the atmosphere and stored within the product.

Isolair Multi in our Insulation Systems

Isolair Multi is one of the staple products in our range, and for good reason. It's robust nature and excellent performance mean it is used in many of our insulation systems.

Our technical department is always on hand to assist with selecting the correct products or system for your specific needs. Please don't hesitate to contact us; we'll guide you through all available options and provide support throughout your project, no matter how big or small.

Use this QR code to view the systems pages on our website. Other systems are also available, please contact us directly if you can't see what you're looking for.



Characteristics

Density [kg/m³] 30-35mm 200 40-80mm 165 100-200mm 145	Thermal conductivity (λ_d) (EN 13171) [W/(m.K)] 30-35mm 0.044 40-80mm 0.043 100-200mm 0.041	Specific heat capacity (c) [J/(kg.K)] 2100
Water vapour diffusion resistance coefficient (μ) [-] 30-35mm 3 40-80mm 4 100-200mm 3	Compressive strength at 10 % deformation [kPa] 30-35mm 200 40-200mm 100	Reaction to fire (EN 13501-1) E
Tensile strength perpendicular to faces [kPa] 30-35mm 30 140-200mm 10	Waste code according to The European Waste Catalogue (EWC) 030105; 170201; 170604	Edge profile Tongue & Groove

Product Data

Thickness [mm]	Boards Per Pallet	Dimensions [mm]	m ² Coverage Per Pallet	Weight/Pallet	UK Stock	Lead Time (Days)
30	74	1860 x 590	84.9	509	Yes	2 - 5
35	64	1860 x 590	73.4	514	No	10 - 20
40	56	1860 x 590	64.2	424	Yes	2 - 5
52	40	1860 x 590	45.9	394	Yes	2 - 5
60	36	1860 x 590	41.3	409	Yes	2 - 5
80	28	1860 x 590	32.1	424	Yes	2 - 5
100	22	1860 x 590	25.2	366	Yes	2 - 5
120	18	1860 x 590	20.6	359	Yes	2 - 5
140	16	1860 x 590	18.3	372	No	10 - 20
160	14	1860 x 590	16.1	372	No	10 - 20
180	12	1860 x 590	13.8	359	No	10 - 20
200	10	1860 x 590	11.5	333	No	10 - 20

We live and breathe natural insulation

Technical experts on hand to guide you

Quality products

UK wide Delivery

Fast shipping



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