

The Benefits of EDENBLOC35



EDENBLOC35 – made from a natural resource

EDENBLOC35 is the latest innovation in natural insulation available from the nationwide build shop limited. This product is a natural, low density rigid insulation that can be used in many internal situations including wall lining, under rafters, between rafters and timber studs to provide first class thermal insulation. EDENBLOC35 is manufactured in the UK, provides sizable energy efficiencies in service and locks up nearly twice its own weight in CO₂ which all contribute to its excellent carbon footprint. The unique patented technology combines excellent thermal performance with the breathability of natural fibres, bridging the gap between synthetic foams and other natural fibre insulation materials. It has a thermal conductivity of 0.035 W/mK and the ability to eliminate thermal bridging factors which can improve insulation performance by as much as 30% compared to other natural insulation. EDENBLOC35 has 60% recycled content and contains no synthetic binders, substantially reducing environmental impact and the need to rely on fossil derived materials. This innovative insulation is safe to reuse and allows efficient end of life energy recovery or composting.

EDENBLOC35 has many benefits that make it the first choice when it comes to performance and sustainability.

- Thermal conductivity of 0.035 W/mK providing superior performance than other natural insulation.
- Vapour permeable and breathable ensures it acts in sympathy with the building envelope and making it an ideal choice for use in breathable building systems.
- Excellent acoustic absorption properties due to its density and make-up.
- Eliminates thermal bridging factors by creating a continuous sheet of insulation.
- EDENBLOC35 boards can be fixed directly to wall or timber structures reducing the complexity of the structure.
- Composed almost entirely of protein based fibres that are more resistant to combustion than cellulose fibres so greatly reducing the need for high loadings of fire retardants.
- The boards contains no organic insecticides and is completely safe to handle and easy to cut.
- Absorbs and fixes airborne pollutants including formaldehyde due to the chemical binding capacity of the protein fibres - helping contribute to a healthier indoor environment.

Low environmental impact

EDENBLOC35 manufactured in the UK in a purpose built factory in Cumbria. The product contains more than 60% recycled content, mainly waste wool from the carpet industry and contains no synthetic binders so it can be safely recycled at the end of its service life. This insulation contains no organic pesticides and its manufacture locks up nearly twice its weight in CO₂ ensuring a low embodied energy input, and carbon footprint. Once installed a sizable energy saving can be expected. Safe to re-use or recycle and suitable for energy recovery or composting at the end of life. EDENBLOC35's durability provides reliable long term energy efficiency for buildings.

Why buy EDENBLOC35 from nbs?

nbs provides the most economic and easy way to specify EDENBLOC35 insulation. All you have to do is ascertain the U-values required, calculate the area to be insulated - round-up to the nearest nominal area, select the thicknesses and widths required, note the Order Codes, close this PDF then click the **Add to Cart** to progress your purchase. The insulation will be delivered direct to your home. Any excess insulation can be used to insulate the hot or cold water tank.

EDENBLOC35 insulation boards from nbs				
EDENBLOC35 board thickness mm	Number of boards per pack	Area per pack m ²	Nominal weight per pack kg	Product code
50	6	4.32	9.72	PEB50600
60	5	3.60	9.70	PEB60600
75	4	2.88	9.72	PEB75600
100	3	2.16	9.72	PEB100600
120	2	1.44	7.76	PEB120600
150	2	1.44	9.72	PEB150600

All EDENBLOC35 boards are 1200mm long x 600mm wide (0.72 m²)

Naturally Breathable

EDENBLOC³⁵ being hygroscopic, can absorb and release water vapour without compromising its thermal efficiency. It is therefore ideal for use in roofs and other timber framed structures. It is designed to avoid a damaging build-up of moisture by allowing water vapour to migrate through the structure in this type of construction.

EDENBLOC³⁵ can be used in conjunction with ThermaFleece batts and PB20 insulation also available from **nbs** - is recommended to protect the insulation from dirt, dust and debris in order to maintain its designed performance levels.

Recommended membranes and tapes – refer nbs Technical and Installation Examples Data Sheets for applications

EDEN Premium VCL Membrane (Vapour Control Layer)

Roll size 1500mm wide x 50m roll.

EDEN LEC Membrane (Combined Low Emissivity, Vapour Control Layer)

Roll size 1000mm wide x 50m roll.

EDEN LEC Xtra Membrane (High performance, combined Low Emissivity, Vapour Control Layer)

Roll size 1250mm wide x 96m roll.

EDEN BBA Breather Membrane

Roll size 1500mm wide x 50m roll or 1000mm wide x 50m roll.

EDEN Double-sided Butyle VCL tape

Roll size 30mm wide x 30m roll.

EDEN Low Emissivity self adhesive FOIL tape

Roll size 50mm wide x 100m roll.

Carriage charges

PLEASE READ THE NOTE BELOW BEFORE MAKING YOUR PURCHASE

ENSURE YOU ORDER ALL THE EDENBLOC³⁵ REQUIRED FOR THE PROJECT AS THE FINAL CARRIAGE CHARGE WILL DEPEND ON THE TOTAL QUANTITIES PURCHASED. ACCORDING TO THE NUMBER OF PACKS ORDERED AND THE DELIVERY LOCATION, THE CARRIAGE CHARGE WILL BE CALCULATED AND CONFIRMED VIA FOLLOW-UP EMAIL. YOUR CREDIT CARD WILL NOT BE DEDUCTED TO THE NATIONWIDE BUILD SHOP UNTIL YOU HAVE AGREED TO THE CARRIAGE CHARGE BY RETURN EMAIL. DELIVERY TIME FOR THIS PRODUCT CAN BE 8 TO 12 WEEKS.

Delivery access

Orders may be delivered in a lorry of up to 28 tons. Therefore, it is important that your property is accessible by such vehicles. If there is a potential access problem please inform us via telephone or **contact us** button prior to placing your order so we can arrange suitable transport.

The EDENBLOC³⁵ boards are delivered as palletised packs only. Whole packs must be purchased – loose boards are not available from **nbs**.



Easy to install – see nbs Installation Data Sheet

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EDENBLOC³⁵ insulation is conveniently available from:

nationwide
build
shop