

Warmshell Woodfibre Boards

Warmshell woodfibre boards are the sustainable, breathable, rigid insulation slabs for direct plastering and rendering with products from Lime Green. Ideal for new build and retrofit, Warmshell boards can be fitted inside or out, and used with render, plaster or cladding or under roof tiles.



Description

Warmshell woodfibre boards are the intelligent insulation option which can buffer and store heat and moisture, keeping you warm and dry in winter and stopping overheating in summer. Warmshell boards won't trap moisture because they are highly breathable and exploit woods incredible ability to wick and harmlessly move water. Made with waste sawdust from sustainable FSC accredited forests, they are the sustainable, low carbon option for internal and external wall insulation.

Compared to lightweight synthetic insulations, the density of Warmshell woodfibre allows *phase-shift* to reduce summer overheating as well as giving excellent sound deadening acoustic properties. Warmshell doesn't just save heat, it creates a comfortable, healthy indoor climate. And unlike some insulations, our boards are totally free from formaldehyde and other biocides.

A range of compatible renders and plasters are available with the boards as part of the system, along with detailed guidance and installation information.

Thickness (mm)	Dimensions (mm)	Edge profile	Boards per pallet	Weight per pallet (Kg)	Pallet size (mm)	Unit of sale
40	1430 x 560	Tongue and groove	56	397	1500x1200	Board
60	1430 x 560	Tongue and groove	36	384	1500 x 1200	Board
80	1430 x 560	Tongue and groove	28	275	1500 x 1200	Pallet
100	1430 x 560	Tongue and groove	22	271	1500 x 1200	Pallet
120	600 x 400	Square edge	54	217	1200 x 1200	Pallet
140	600 x 400	Square edge	48	225	1200 x 1200	Pallet
160	600 x 400	Square edge	42	225	1200 x 1200	Pallet
180	600 x 400	Square edge	36	217	1200 x 1200	Pallet
200	600 x 400	Square edge	30	202	1200 x 1200	Pallet

Storage

Store dry and protected from damage. Only install when dry. Stack no more than 4 pallets on top of each other. Render or cover within 3 weeks of installation. Keep absolute moisture content to <13%

Product Data

Performance

Thermal conductivity (EN 13171) W/(mK)	0.044 (<i>195kg/m3 density</i>)	0.040 (<i>130kg/m3 density</i>)
Specific heat capacity c [J/(kgK)]	2100	2100
Vapour diffusion resistance coefficient μ	3	3
Fire behaviour (EN 13501-1)	Class E	Class E
Tensile strength [kPa]	25	7.5

Application

Only apply to dry backgrounds. Consult with your supplier for fixing advice. Before rendering or plastering do not allow to become saturated and ensure the absolute moisture content is no more than 13%. Render within 4 weeks of installation. When used as a sarking board ensure the Warm-shell Woodfibre is covered with ADB membrane immediately after installation. Compatible renders and plasters are available from Lime Green.

Disposal

Waste code (EWC) 030105; 170201; 170604

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