

Fibertherm top

insulation for Attic Floors

Beton  **Wood**

Environmentally-friendly insulation system
made with natural wood fibres



| AREAS OF APPLICATION

Stable rigid thermal insulation made from natural wood fibres.

Suitable insulation for an attic floor.



| MATERIAL

Wood fibre insulation board produced in accordance with EN 13171 and with ongoing quality supervision.

Wood for FiberTherm comes from sustainable forestry and is independently certified by the FSC®.

- ideal insulation for attic storage with light footfall
- high surface resistance due to special surface finish
- ecological, environmentally-friendly & recyclable
- outstanding properties both in the heat and the cold
- highly permeable
- quick and easy to lay, using conventional tools
- effective storage space with good insulation achieved

For more informations about the uses and the installation,
our offices are ready to answer your questions on www.fibradilegno.com

INSULATION SYSTEMS

The stable Fibertherm top boards can be very quickly and easily installed.

Fibertherm flex can be used in more difficult areas, such as at the wall plate/rafter connection, where cutting Fibertherm top would prove more tricky.

FiberTherm top

FiberTherm flex

Ceiling joists well insulated

Fibertherm top is light, rigid and available in small size sheets. Ideal for restoration projects.

Many buildings have been designed with accessible, but not habitable attic spaces. Many households utilise this space for additional storage, by laying boards over the insulated joists. With the introduction of better insulation/energy efficiency requirements, deeper loft insulation is now required.



The Fibertherm top boards are light in weight and due to their size of 1200 x 400 mm can be easily fitted through most loft accesses.

Boarding the attic and squashing the insulation, will result in reduced effectiveness of the insulation and thus not gain the energy efficiencies required.

Fibertherm top not only offers the consumer the desired storage space, but maintains the required insulation properties for energy effectiveness.

| QUICK INSTALLATION



Large attic spaces can be quickly insulated using Fibertherm top. If a double layer is required for enhanced insulation performance, then the boards should be laid with staggered joints.



For ease of cutting around the eaves detail where thermal bridging could be an issue, it is suggested that Fibertherm flex is used. Fibertherm flex will help in taking up any gaps caused by any irregularities of roof connections. Loads should not be directly applied to the Fibertherm flex.

| STABLE BOARDS WITH AN UNIQUE SURFACE

Fibertherm top insulation boards have a dense, specially structured surface, which has particularly high stability. When used in attics for storage (with 'light' footfall), a secondary flooring board is not required.

In addition, Fibertherm top insulating boards are diffusion 'open'. Should moisture penetrate the board, it can easily evaporate, without damage to the board.



The unique surface finish of Fibertherm top

| SYSTEM SOLUTIONS

In older properties many different ceiling / attic constructions may be found. FiberTherm products may be able to provide a suitable solution.

Standard installation:

Single layer of Fibertherm top

The first 100 mm of insulation is the most critical in terms of energy savings. If there is a sub-deck already laid onto the joists, then Fibertherm top can be laid directly onto it. The specially hardened surface of Fibertherm top allows for direct storage and light footfall.

Improved Values Details:

Install 2 layers of Fibertherm top

For enhanced levels of insulation, two layers of Fibertherm top can be laid on top of each other (staggered joints between the layers).

With 2 layers of 80 mm Fibertherm top a 'u' value of 0.24 W/(m²*K) can be achieved.

Future requirements:

Combine Fibertherm with Fibertherm top

Looking forward to the future, it is expected that more stringent regulations will come into force, along with higher fuel costs. To help combat this, it is possible to combine Fibertherm top with Fibertherm to an overall thickness to achieve a 'u' value of 0.18 W/(m²*K).



HANDLING

Wood fibre insulation produced in accordance with EN 13171, with quality assurance monitoring.

Store laid flat in dry conditions

Protect against edge damage

Keep wrapped until ready to use

Maximum stack height of 2 pallets.

ALL THE ADVANTAGES ON NATURAL WOOD



Fibertherm top is manufactured from natural wood fibres in strict accordance with FSC guidance.

Cutting may be carried out using conventional woodworking tools, e.g. handsaws, electric saws. The product is 'user friendly' and should not irritate the skin, either during or after installation.

AVAILABLE DIMENSIONS Fibertherm top

sharp edge

Thickness	Dimesions	Weight/m ² (kg)	Panels/Pallet	m ² /Pallet	kg/Pallet
80 mm	1200 x 400 mm	11,20	28	13,44	ca.150
100 mm	1200 x 400 mm	14,00	22	10,56	ca.150

TECHNICAL CHARACTERISTICS Fibertherm top

Produced and supervised in accordance with	DIN EN 13171
Board Designation	WF-EN13171-T5-CS(10\Y)100-TR10-MU3
Fire classification according to EN 13501-1	E
Thermal Conductivity λ_D W/(m*K)	0,041
Declared Thermal Resistance R_D (m ² *K)/W	1,90 (80)/ 2,60 (100)
Density kg/m ³	ab.140
Water vapour resistance diffusion factor μ	3
sd value (m)	0,24 (80)/ 0,30 (100)
Specific Heat Capacity c J/(kg*K)	2.100
Compressive strength at 10% compression (N/mm ²)	0,07
Compressive strength (kPa)	70
Tensile strength perpendicular to the board \perp (kPa)	≥ 10
Length related flow resistance (kPa*s)/m ²	≥ 100
Raw materials	wood fibre, polyurethane resin,paraffin wax
Waste code (EAK)	030105/170201

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Das Zeichen für verantwortungsvolle Waldbirtschaft

