

Fibertherm roof

Wood fiber panels for flat roofs

Beton  **Wood**

Environmentally-friendly insulation system
made with natural wood fibres



| AREAS OF APPLICATION

Wood fiber panels for multi-functional thermal insulation in flat roofs, walls, floors, and ceilings.



| 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®.

- suitable for flat roofs insulation
- high compression strength
- high protection against heat during summer months
- excellent insulating capacity
- high security thanks to the continue waterproof properties
- ecologic, environmentally friendly and recyclable like natural wood
- construction material tested and authorized according to current European standards

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



| STORAGE/TRANSPORT

Store flat, level and under cover.

Protect edges from damage

Remove plastic foil packing only when the pallet is on hard, dry and even ground

Max. stacking height: 2 paletts

For dust extraction please refer tonational requirements

| AVAILABLE DIMENSIONS Fibertherm roof

sharp edges

Thickness	Dimensions	Weight/m ² (kg)	Panels/Pallet	m ² /Pallet	kg/Pallet
20 mm	1350 x 600 mm	4,60	108	87,5	approx. 402
40 mm	1350 x 600 mm	9,20	56	45,4	approx. 417
60 mm	1350 x 600 mm	13,80	38	30,8	approx. 425
80 mm	1350 x 600 mm	18,40	28	22,7	approx. 417
100 mm	1350 x 600 mm	23,00	22	17,8	approx. 410
120 mm	1350 x 600 mm	27,60	18	14,6	approx. 402
140 mm	1350 x 600 mm	32,20	16	13,0	approx. 417
160 mm	1350 x 600 mm	36,80	14	11,3	approx. 417

| USES

External insulation of roof or ceiling, protected from atmospheric agents, insulation under waterproofing.

Internal insulation panel for false ceilings or ceilings (upper side) without needing additional acoustic protection.

External insulation for wall behind sheath.

| FIRE PROTECTION

According to the MBO construction regulations modified in November 2002, the roofs must be made with a hard cover to counter any fires, sparks or heat. Including flat roofs. See the current regulations.

The following versions are considered rigid roofs according to DIN 4102 and can be used with Fibertherm roof.

- 5 layers of gravel
- cement bonded particle boards BetonWood
- green roofs¹⁾

| TECHNICAL CHARACTERISTICS Fibertherm roof

Produced and supervised according to	DIN EN 13171
Board designation	WF-EN13171-T5-CS(10\Y)100-TR10-WS1,0
Fire class according to EN 13501-1	E
Declared thermal conductivity λ_0 W/(m*K)	0,046
Declared thermal resistance R_D (m ² *K)/W	0,40(20)/0,85(40)/1,30(60)/1,70(80)/2,15(100)/2,60(120)/3,00(140)/ 3,45(160)
Density kg/m ³	approx.230
Water vapour diffusion resistance factor μ	5
sd value (m)	0,1(20)/0,2(40)/0,3(60)/0,4(80)/0,5(100)/0,6(120) / 0,7(140) / 0,8(160)
Specific heat capacity c J/(kg*K)	2.100
Minimum compression strength at 10% deformation σ_{10} (N/mm ²)	0,1
Minimum compression strength (kPa)	100
Tensile strenght \perp (kPa)	≥ 10
Hydraulic resistance relative to the length (kPa*s)/m ²	≥ 100
Raw material	wood fibers, bond between layers
Waste code (EAK)	030105/170201

Head office:
Via Falcone e Borsellino, 58
I-50013 Campi Bisenzio (FI)

T: +39 055 8953144
F: +39 055 4640609

info@betonwood.com
www.betonwood.com

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Das Zeichen für verantwortungsvolle Waldbirtschaft



Production certified
accor. to
ISO 9001:2008

