

# Fibertherm roof dry

Wood fiber panels for flat roofs

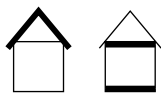
**Beton**  **Wood**

Environmentally-friendly insulation system made with natural wood fibres



## | AREAS OF APPLICATION

Wood fiber panels for multi-functional thermal insulation in flat roofs, 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.woodfiber.com](http://www.woodfiber.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

## | 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 roofs<sup>1)</sup>

## | AVAILABLE DIMENSIONS Fibertherm roof dry

sharp edges

Thickness	Dimensions	Weight/m <sup>2</sup> (kg)	Panels/Pallet	m <sup>2</sup> /Pallet	kg/Pallet
60 mm	800 x 800 mm	8,40	38	24,3	approx.237
80 mm	800 x 800 mm	11,20	28	17,9	approx.228
100 mm	800 x 800 mm	14,00	22	14,1	approx.216
120 mm	800 x 800 mm	16,80	18	11,5	approx.209
140 mm	800 x 800 mm	19,60	16	10,2	approx.214
160 mm	800 x 800 mm	22,40	14	9,0	approx.213
180 mm	800 x 800 mm	25,20	12	7,7	approx.204
200 mm	800 x 800 mm	28,00	12	7,7	approx.225

## | TECHNICAL CHARACTERISTICS Fibertherm roof dry

Produced and supervised according to	DIN EN 13171
Product ID	WF-EN13171-T5-DS(70/-)2-CS(10\Y)100-TR10-WS1,0-MU3
Fire class according to EN 13501-1	E
Declared thermal conductivity $\lambda_D$ W/(m*K)	0,040
Declared thermal resistance $R_D$ (m <sup>2</sup> *K)/W	1,50(60)/2,00(80)/2,50(100)/3,00(120)/3,50(140)/4,00(160)/4,50(180)/ 5,00(200)
Nominal thermal conductivity $\lambda_D$ W/(m*K)	0,042
Density kg/m <sup>3</sup>	approx.140
Water vapour diffusion resistance factor $\mu$	5
sd value (m)	0,18(60)/0,24(80)/0,30(100)/0,36(120)/0,42(140)/0,48(160)/0,54(180)/ 0,60(200)
Specific heat capacity c J/(kg*K)	2.100
Short-term water absorption (kg/m <sup>2</sup> )	≤1,0
Minimum compression strength at 10% deformation $\sigma_{10}$ (N/mm <sup>2</sup> )	0,10
Minimum compression strength (kPa)	100
Tensile strength $\perp$ (kPa)	≥10
Hydraulic resistance relative to the length (kPa*s)/m <sup>2</sup>	≥100
Raw material	wood fiber, PU resin
Waste code (EAK)	030105/170201

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