

Fibertherm

Wood fiber thermal and acoustic insulation
density 160 kg/m³

Beton Wood

Environmentally-friendly insulation system
made with natural wood fibres



| AREAS OF APPLICATION

Rigid insulation from natural wood fibre for wall and roof applications.

Sub screed insulation



| 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®.

- Multifunctional rigid woodfibre insulation board
- Available with sharp edges and tongue and groove edges
- High compression strength
- Excellent insulation properties in winter and summer
- Water vapour open
- Hygrometric regulator thanks to the great absorption capacity
- Helps to regulate the indoor climate
- Ecological and environmentally friendly
- Construction material tested and authorized according to current European standards
- Fully recyclable
- Made from FSC® certified woodfibre

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

| RECOMMENDATIONS

- 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

Thickness	Dimensions	Weight/m ² (kg)	Panels/Pallet	m ² /Pallet	kg/Pallet
40 mm	1350 x 600 mm	6,40	56	45,4	ca.310
60 mm	1350 x 600 mm	9,60	38	30,8	ca.300
80 mm	1350 x 600 mm	12,80	28	22,7	ca.310
100 mm	1350 x 600 mm	16,00	22	17,8	ca.300
120 mm	1350 x 600 mm	19,20	18	14,6	ca.300
140 mm	1350 x 600 mm	22,40	16	13,0	ca.300
160 mm	1350 x 600 mm	25,60	14	11,3	ca.300
180 mm	1350 x 600 mm	28,80	12	9,7	ca.310
200 mm	1350 x 600 mm	32,00	12	9,7	ca.325

| USES


- (according to national standards)
- External insulation for roofs or floors with discontinuously laid coverings or under sarking felt .
- Interior insulation for floors or roofs, insulation between rafters.
- Insulation in ceilings.
- Internal insulation under roofing or rigid panels.
- Acoustic insulation under rigid panels.
- External insulation for walls behind a rain screen.
- Insulation for timber structures.
- Thermal insulation of false walls.

| AVAILABLE DIMENSIONS FiberTherm

Thickness	Dimensions	Real surface	Weight/m ² (kg)	Panels/Pallet	m ² /Pallet	kg/Pallet
100 mm	1880x600 mm	1850x570 mm	16,00	22	24,8	ca.420
120 mm	1880x600 mm	1850x570 mm	19,20	18	20,3	ca.420
140 mm	1880x600 mm	1850x570 mm	22,40	16	18,0	ca.420
160 mm	1880x600 mm	1850x570 mm	25,60	14	15,8	ca.420

| TECHNICAL CHARACTERISTICS FiberTherm

Produced and supervised according to	DIN EN 13171
Board designation	WF-EN 13171-T4-CS(10 \Y)50-TR 2,5-WS 2,0-AF100
Fire class according to EN 13501-1	E
Declared thermal conductivity λ_0 W/(m*K)	0,039
Declared thermal resistance R_D (m ² *K)/W	1,05(40)/1,5(60)/2,10(80)/2,60(100)/3,15(120)/3,65(140)/4,20(160)/4,70(180)/5,25(200)
Density kg/m ³	ca.160
Water vapour diffusion resistance factor μ	5
sd value (m)	0,2(40)/0,3(60)/0,4(80)/0,5(100)/0,6(120)/0,7(140)/0,8(160)/0,9(180)/1,0(200)
Specific heat capacity c J/(kg*K)	2.100
Minimum compression strength at 10% deformation σ_{10} (N/mm ²)	0,05
Minimum compression strength (kPa)	50
Tensile strength perpendicular to face \perp (kPa)	$\geq 2,5$
Declared level of airflow resistance (kPa*s)/m ²	≥ 100
Raw material	wood fibre, bond between layers
Waste code (EAK)	030105/170201

 Calculation value of the thermal conductivity according to the SIA (Swiss Society of Engineers and Architects) $\lambda = 0,038$ [W/(m*K)]	
Characteristic index of reaction to fire (BKZ)	4.3
Fire class according to the Fire Protection Guidelines of the VKF (Cantonal Fire Safety Association)	RF3

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

FTH IR.18.01



Das Zeichen für verantwortungsvolle Waldbirtschaft

