

# Fibertherm sd

Wood fiber thermal and acoustic insulation  
density 160 kg/m<sup>3</sup>

# Beton Wood

Environmentally-friendly insulation system  
made with natural wood fibres



## | AREAS OF APPLICATION

Impact sound insulation panel under  
dry and wet screed systems.

Thermal insulation under dry and wet  
screed systems.



## | 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®.

- Classified sound insulation for screed systems
- Impact sound insulation board for solid and wooden beam ceilings
- Suitable for floating dry mortar systems made of gypsum fiber or wood-based panels
- Suitable for wet screed systems such as cement or anhydrite screed
- Construction-approved thermal insulation made of wood fibers
- Particularly open to diffusion
- Fast and easy installation
- Skin friendly
- Ecological, environmentally friendly and recyclable

For more informations about the uses and the installation,  
our offices are ready to answer your questions on [www.fibradilegno.com](http://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 pallets

For dust extraction please refer tonational requirements

## USES

(according to national standards)

Inside insulation of the ceiling or the floor plate (upper side) below screed with sound protection requirements



Calculation value of the thermal conductivity according to the SIA (Swiss Society of Engineers and Architects)  
 $\lambda = 0,038 \text{ [W/(m}^2\text{K)]}$

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**

## AVAILABLE DIMENSIONS

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sharp edges

Thickness	Dimensions	Weight/m <sup>2</sup> (kg)	Panels/Pallet	m <sup>2</sup> /Pallet	kg/Pallet
21/20 mm	1350 x 600 mm	3,20	116	94,0	ca.300
31/30 mm	1350 x 600 mm	4,80	74	59,9	ca.300

## TECHNICAL CHARACTERISTICS

Fibertherm sd

Produced and supervised according to	DIN EN 13171
Board designation	
thickness 21/20 mm	WF – EN 13171 – T7 – SD50 – CP2
thickness 31/30 mm	WF – EN 13171 – T7 – SD30 – CP2
Fire class according to EN 13501-1	E
Dynamic stiffness $s'$ (MN / m <sup>3</sup> )	
thickness 21/20 mm	50
thickness 31/30 mm	30
Declared thermal conductivity $\lambda_D$ W/(m*K)	0,038
Declared thermal resistance	
thickness 21/20 mm	0,50
thickness 31/30 mm	0,75
Density kg/m <sup>3</sup>	ab.160
Water vapour diffusion resistance factor $\mu$	5
sd value (m)	0,10 / 0,15
Specific heat capacity $c$ J/(kg*K)	2.100
Length-related flow resistance (kPa*s)/m <sup>2</sup>	$\geq 100$
Compressibility with load $\leq 5$ kPa (mm)	$\leq 2$
Raw material	wood fibre, 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

FTHSD IR.18.01

