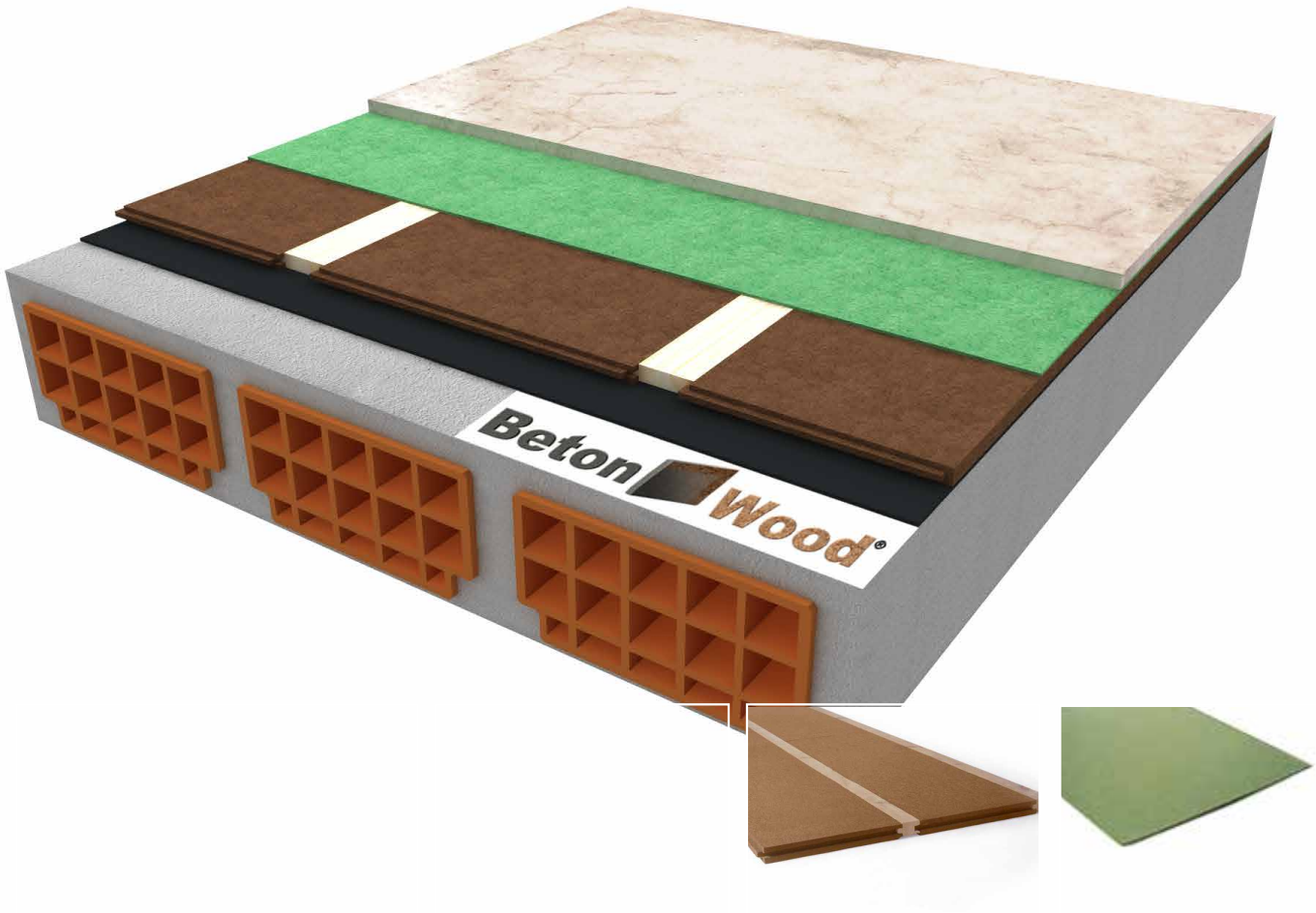
Screed floor wood fiber

Complete screed system with wood fiber panels type Fibertherm floor and Underfloor, and Betonwood

Complete insulating screed system with high performances



| DESCRIPTION

Complete dry building screed system on new and existing grounds which is composed by a single layer of rigid wood fiber panels with medium density (160kg/m³) Fibertherm floor, a thin wood fiber mat Fibertherm underfloor and high density cement bonded particle board layer BetonWood (1350 kg/m³).

On the existing grounds, the system is composed by a single layer of wood fiber panels type Fibertherm floor with density 160 kg/m³ waterproofed with our anti-steam barrier type FiberTherm multi UDB on the lower side. A thin wood fiber mat type Fibertherm underfloor-floor which guarantees soundproofing. All the system is protects with cement bonded particle boards type BetonWood with high density 1350 kg/m³ and excellent mechanical resistance.

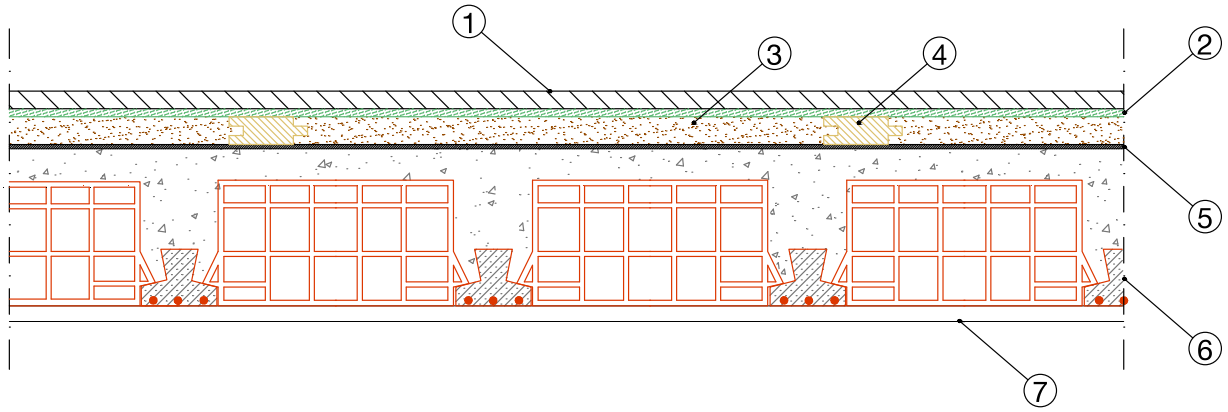
The stratigraphy consists of interlocking panels in natural and ecological Fibertherm floor highly insulating wood fiber panels, certified FSC, which contributes to sound insulation against walking noise, as well as an excellent thermal insulation. The waterproofing is guaranteed by the laying of a single layer of FiberTherm multiUDB vapor barrier below the insulating layer of wood fiber.
To increase the insulating power, a thin high density (250 kg/m³) wooden fiber Fiberthem underfloor mat is laid over these wood fiber panels.
All the system is protects with high density cement bonded particle boards type BetonWood. It has an excellent compression resistance, and it must be arranged in a staggered manner.

Advantages

- Excellent protection from cold, heat and noise;
- Excellent protection from summer heat thanks to its high thermal displacement;
- High acoustic insulation thanks to the porosity of the insulating panels;
- Available thicknesses from 40 to 60 mm;
- It creates a comfortable living climate;
- Ecologic material with controlled quality, recommended by Natureplus®;
- Hygroscopic material regulates humidity and gives us security over time

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

| STRATIGRAPHY



1 **Cement bonded particle boards BetonWood** made by Portland cement and wood fibers, has an high density of 1350 kg/m³ and an excellent compression resistance equal to 9.000,00 Kpa. These particular boards guarantee an optimal building solution to obtain high levels of thermal displacement, thanks to their high density which makes them also suitable for self-supporting dry screeds, radiant floors and stiffening structures.

2 **Wood fiber Fibertherm Underfloor** floor underlay characterized by good impact sound insulation and high environmental acoustics improvement, excellent insulation characteristics, high pressure resistance up to 20 t/m² - important for interlocking systems (tongue&groove).
High density 250 kg/m³ and declared thermal conductivity equal to λ =0,06 ÷ 0,1 [W /(m* K)].

3 **Wood fiber Fibertherm Floor** Insulation floor system with the intallation of suondproof wood joists to guarantee the good floor panel fixing system. Wood fiber panel with special tongue&groove profile, excellent sound insulation and sound improvement, high absorption capacity which contributes to a balanced environmental climate. Density 160 kg/m³ and declared thermal conductivity equal to λ 0,038 [W /(m* K)].

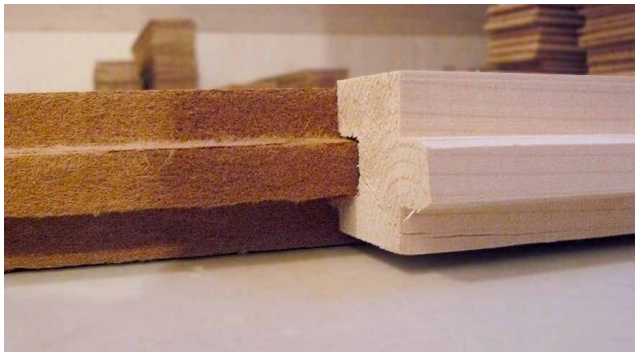
4 **Soundproof wooden joists** Wood joists with special tongue&groove profile to fix the wood fiber panels type FiberTherm Floor.

5 **Anti-steam barrier Fibertherm multi UDB** Multi-layer polypropylene (PP) sealing membrane with high breathable power and excellent tear resistance.

6 **Screed** cement or reinforced concrete

7 **Plasterboards or plaster cover**

Beton Wood

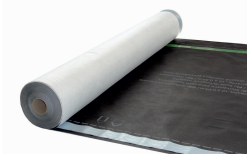


| SYSTEM'S PRODUCTS

BetonWood The BetonWood cement bonded particle boards, with high density (1350 Kg/m^3), made of Portland-type cement conglomerate and debarked Pine wood fiber. These panels have the following termo-dynamics characteristics: thermal conductivity coefficient λ=0,26 W/mK, specific heat c=1,88 KJ/Kg K, coefficient of resistance to vapor penetration μ=22,6 and reaction to fire class A2-fl-s1, according to the standard EN 13501-1.
The panels size is ... mm and the thickness is ... mm.
The wood used in panel processing comes from forests controlled by FSC reforestation cycles and pressed with water and hydraulic binder (Portland cement) with high cold compression ratios.

FiberTherm Underfloor The thin wood fiber mat FiberTherm Underfloor is a thermo-acoustic insulation with which you get a high improvement of acoustics for pre-finished parquet and laminate floors up to 19 dB.
Its density is equal to 250 kg/m^3.
The material is also recyclable, with relative NaturePlus certification and made exclusively with wood from controlled forests in compliance with the FSC guidelines.

FiberTherm Floor The FiberTherm Floor wood fiber insulation system is excellent for reducing sound impact in wood flooring. Soundproof wooden strips are installed for the passage of the floor boards.
The insulating wood fiber panels FiberTherm Floor are available with tongue&groove profile to be inserted with special joists of wood to fix the floor. Its density is equal to 160 Kg/m^3.
The material is also recyclable, with relative NaturePlus certification and made exclusively with wood from controlled forests in compliance with the FSC guidelines.



FiberTherm multiUDB Multi-layer polypropylene (PP) sealing membrane with high breathable power and excellent tear resistance. Density 160 g / m^2

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Beton Wood

| CERTIFICATIONS

The wood fiber screed insulation system FiberTherm Floor, Underfloor and cement bonded particle boards BetonWood is produced with CE certified materials in accordance with current regulations.

CE

guaranteed system
WARRANTY 10 YEARS
BetonWood

GENERAL SECURITY INSURANCE GUARANTEE ON THE PRODUCT WITH CORRECT DOCUMENTED INSTALLATION WITH PHOTOGRAPHS