

Elevated screed **betonwood plus**

Elevated screed complete dry systems with double layer of cement bonded particle boards BetonWood density 1350 kg/m³

Beton Wood

Complete insulating dry screed system with high performances



| DESCRIPTION

Complete system for dry screeds elevating on adjustable supports to allow the passage of pipes and electric wires under the screed. The system consists in adjustable supports and a double layer of cement bonded particle board **BetonWood Tongue&Groove** density 1350 kg/m³. Maximum durability over time is guaranteed, with international ETA certification.

Each layer of the system is made up of panels arranged in a staggered way in cement bonded particle boards **BetonWood** that fit together into one another thanks to their special tongue&groove-profile. The two cement bonded particle boards layers provide for the arrangement of the panels in a crossed manner as shown in the figure.

High acoustic performance, naturalness and simplicity of execution.

The stratigraphy is characterized by a double layer of cement bonded particle boards type **BetonWood Tongue&Groove**, that fit together into one another thanks to their special tongue & groove profile.

Each layer provides the arrangement of the panels in a staggered manner, and between them, the two layers must be crossed (one with horizontal arrangement and one with vertical arrangement).

The stratigraphy consists in:

- Adjustable supports **SB, SE, NM**
- **BetonWood Tongue&Groove** suitable for elevated screeds thanks to their compression resistance, mechanical resistance and thermo-acoustic insulation.

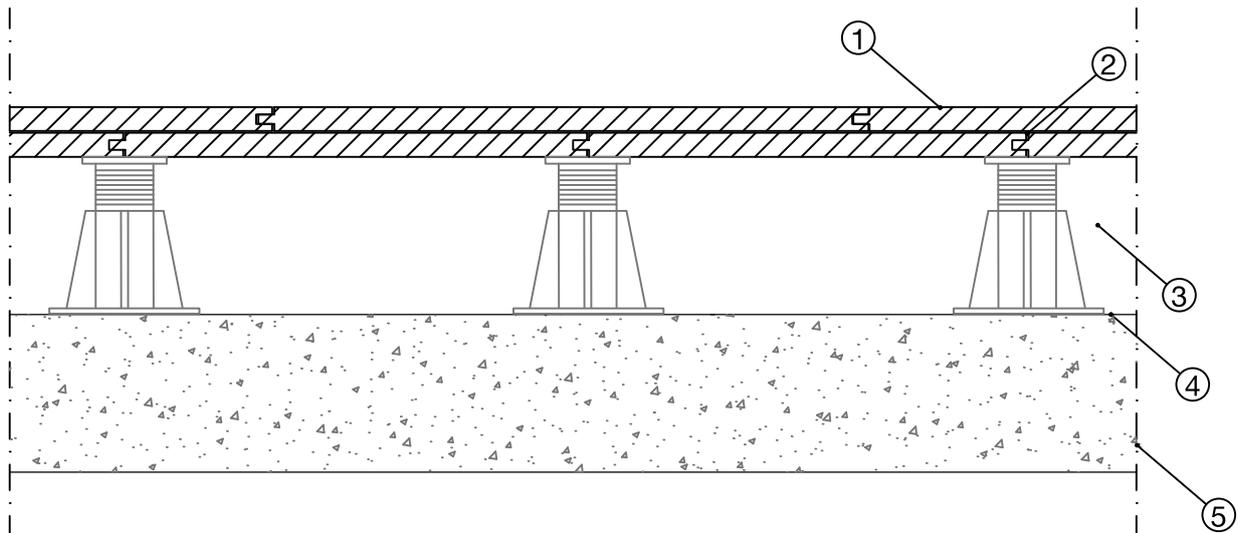
Advantages

- Excellent protection against cold, heat and acoustics
- Possibility to switch the water, gas and electricity installations under the floor
- Remarkable acoustic protection thanks to the variety of materials used
- Adjustable supports have the advantage of being able to be set at the height you want
- Create a comfortable living climate

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 TG (second layer)** Every panel is made with in Portland-type concrete conglomerate and high-density debarked Pine wood fiber ($\delta = 1350\text{Kg/m}^3$) with the following thermodynamic characteristics: coefficient of thermal conductivity $\lambda = 0.26\text{W/mK}$, specific heat $c = 1.88\text{ KJ/Kg K}$, coefficient of resistance to vapor penetration $\mu = 22.6$ and fire reaction class A2-fl-s1, according to EN 13501-1 standard. The panels have a special tongue & groove interlocking profile.
The wood used in the processing of the panel comes from forests controlled and certified FSC.
- 2 Cement bonded particle boards Betonwood TG (first layer)** Every panel is made with in Portland-type concrete conglomerate and high-density debarked Pine wood fiber ($\delta = 1350\text{Kg/m}^3$) with the following thermodynamic characteristics: coefficient of thermal conductivity $\lambda = 0.26\text{W/mK}$, specific heat $c = 1.88\text{ KJ/Kg K}$, coefficient of resistance to vapor penetration $\mu = 22.6$ and fire reaction class A2-fl-s1, according to EN 13501-1 standard. The panels have a special tongue & groove interlocking profile.
The wood used in the processing of the panel comes from forests controlled and certified FSC.
- 3 Empty space** empty space that allows the passage of electrical systems and pipes in general.
- 4 Adjustable supports SB** Adjustable Floor Stands have anti-noise rubber head, specific adjustment key, variable heights, pre-cut base for wall corner cutting. Possibility to adjust the height millimetrically (adjustable from 25 to 270 mm), in favor of a perfect leveling of the flooring.
- 5 Screed** cement or reinforced concrete



| SYSTEM'S PRODUCTS



BetonWood Tongue&Groove The cement bonded particle board is made of Portland-type cement conglomerate and debarked Pine wood fiber. These panels have the following thermo-dynamics characteristics: high density (1350 Kg/m^3), thermal conductivity coefficient $\lambda=0,26 \text{ W/mK}$, specific heat $c=1,88 \text{ KJ/Kg K}$, coefficient of resistance to vapor penetration $\mu=22,6$ and reaction to fire class A2-fl-s1, according to the standard EN 13501-1.



Adjustable supports SB Adjustable Floor Stands have anti-noise rubber head, specific adjustment key, variable heights, pre-cut base for wall corner cutting. Possibility to adjust the height millimetrically (adjustable from 25 to 270 mm), in favor of a perfect leveling of the flooring.

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| CERTIFICATIONS

The elevated dry screed system on SB adjustable supports and cement bonded particle boards BetonWood TG is produced with CE certified materials in accordance with current regulations.



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

Beton Wood

