

Partition wall **Betonwood on wood** **Beton** **Wood**

Building system for partition walls in BetonWood cement bonded particle boards fixed on wood frame or x-lam

Complete internal insulating wall systems with high performances



| DESCRIPTION

The complete building system for high performances internal wall Partition wall **Betonwood on wood** is easy and quick to install, guarantees maximum comfort and durability over time, with the international ETA certification.

It is the ideal system to realize light partition walls in BetonWood cement bonded particle boards with high mechanical resistance for interanal acoustic insulation of dry systems on wood frame structures.

The building system Partition wall **Betonwood on wood** consists in laying a covering of both sides of the wood frame with panels with high mechanical resistance in BetonWood N cement bonded particle boards.

The stratigraphy consists in **BetonWood N** cement bonded particle boards with high density (1350 kg/m³), an excellent compressive resistance (9.000,00 KPa) and fire resistance (A2 class), CE certified. These panels are fixed with auto-countersunk Screws **NF 57** directly on the wood frame structure (type X-Lam or Platform Frame). Then, these panels can be finished either with a first layer of **BetonAR1** glue-skimming compound, an high density glass fiber net **BetonGlass 360** and a second layer of **BetonAR1** glue-skimming compound, or with a simple plasterboard paneling also fixed by screws.

Advantages

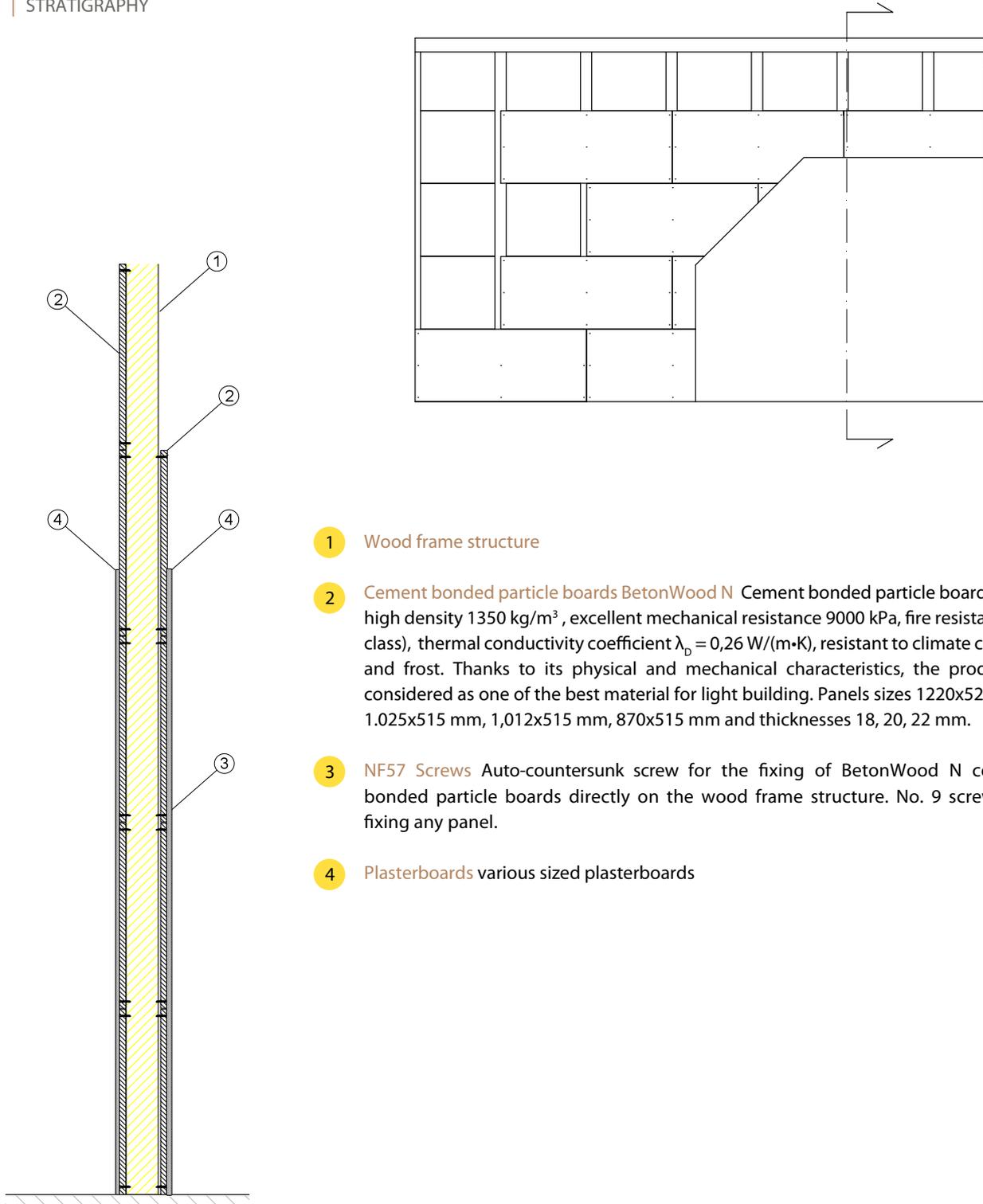
- Approved and secure fixing system.
- Complete system: panels, skimming layers, installation products and accessories
- Easy and quick to install
- Excellent thermal and acoustic insulation (with the addition of insulating panels)
- Fire resistance class A2
- Excellent mechanical resistance against burglary, antivandalism



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



STRATIGRAPHY



1 Wood frame structure

2 Cement bonded particle boards **BetonWood N** Cement bonded particle boards with high density 1350 kg/m^3 , excellent mechanical resistance 9000 kPa , fire resistant (A2 class), thermal conductivity coefficient $\lambda_D = 0,26 \text{ W/(m}\cdot\text{K)}$, resistant to climate change and frost. Thanks to its physical and mechanical characteristics, the product is considered as one of the best material for light building. Panels sizes $1220 \times 520 \text{ mm}$, $1,025 \times 515 \text{ mm}$, $1,012 \times 515 \text{ mm}$, $870 \times 515 \text{ mm}$ and thicknesses 18, 20, 22 mm.

3 **NF57 Screws** Auto-countersunk screw for the fixing of **BetonWood N** cement bonded particle boards directly on the wood frame structure. No. 9 screws for fixing any panel.

4 **Plasterboards** various sized plasterboards



| SYSTEM'S PRODUCTS



Plasterboards Plasterboards



Screws NF 57 The screw has a special anti-corrosion coating that guarantees a 1,000-hour salt spray resistance. Under-head with very sharp self-sinking fins for a perfect housing of the head flush with the slab. Spoon tip (spoon) with very high perforation capacity.



BetonWood N The BetonWood N cement bonded particle boards, with high density (1350 Kg/m³), made of Portland-type cement conglomerate and debarked Pine wood fiber. These panels have the following termo-dynamics characteristics: thermal conductivity coefficient $\lambda=0,26$ W/mK, specific heat $c=1,88$ 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.

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| CERTIFICATIONS

The insulation system for internal walls Partition wall Betonwood on wood is made with CE certified materials in accordance with current regulations.

The certificates of the individual products are available on request.

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