

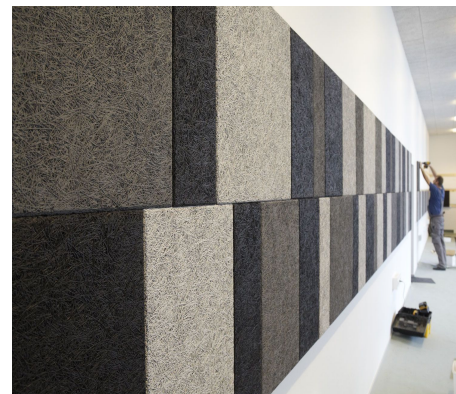
Product Information

The durable and nature-friendly SoundWood Budget / Acoustic panels for indoor use are made from high-quality wood wool and cement. The fireproof material has great acoustic and thermal insulation capacities, and is perfectly suitable for the widest range of interior solutions.

Benefits

The panels are suitable for use in premises with a wide range of temperature and air humidity and offer an aesthetic value – original surface texture and unlimited choice of colours. Due to the natural ingredients, the panels ensure the pleasant micro-climate, typical for the wood-made premises.

- Ecology – the material is produced in a nature-friendly way
- Health – provides a human-friendly, favourable environment
- Lifetime – withstands deformation, are not damaged by rodents and insects
- Handiness – easy to transport and assemble
- Insulation – excellent insulation properties
- Acoustics – excellent sound insulating and absorbing properties

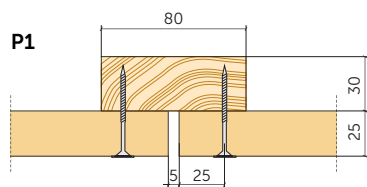


Technical data

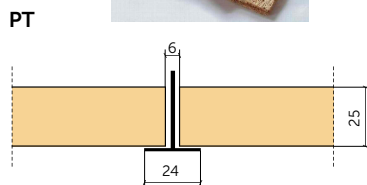
Wood wool width	1,0 and 1,5 mm
Panel thickness	20 mm, soon available – 15, 25, 35, 50 mm
Size	2400x1200 mm, 1200x600 mm . Other sizes – upon request
Weight	10,5–11,5 kg/m ²
Thermal conductivity	$\lambda = 0,066 \text{ W/m}\cdot\text{K}$
Fire resistance	Panels are Fire Group 1 to BCA clause C1.10. This is based on AS 3837. For compliance with AS 5637.1, please refer to Planet Acoustics & Architecture technical staff.
Colours	Natural white



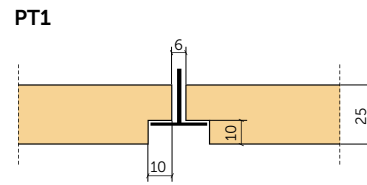
Profiles



Panel with square edges



Standart T ceiling profile



Immersed T ceiling profile



Screw System

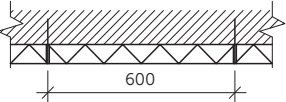
The panels can be fixed to wooden laths (80x30 mm) and metal (CD) profiles or other construction providing strength and load-bearing capacity.

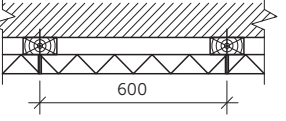
The assembling is carried out using appropriate screws, size 4,5x45 mm (self-cutting screws for CD profiles, wood screws for wooden constructions).

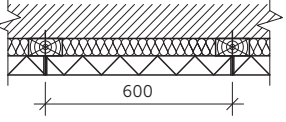
The construction steps are 600 mm, according to the panel width. The mounting should be carried out starting from the middle of room, gradually moving to the sides.

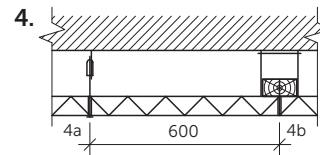
The screw mounting steps are >600 mm. In the corners the mounting should be 25 mm from the side of the panel.

Variants of assembly

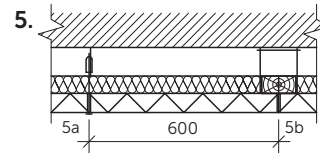
1.  The panels are assembled to the ceiling or walls. Assembling to concrete or stone walls is done with plug nails (6 pcs/m²), to wood – wood screws with widened head or washer.

2.  A wooden lathing (appr. 80x30 mm) or metal (CD) profile is constructed on the ceiling or wall, to which the SoundWood panels are assembled.

3.  3rd variant is the same as 2nd, but a layer of mineral wool is inserted between the laths above the panels.



A suspended ceiling system (4a; 5a) or laths construction (4b, 5b) is attached to the ceiling with the „quick“ suspension, then the SoundWood panels are assembled.



5th variant is the same as 4th, but a layer of mineral wool is inserted over the SoundWood panels.

T Framework System

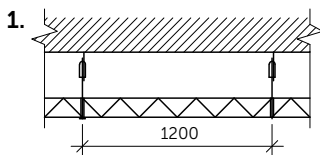
The assembly includes setting up the supporting T framework and mounting the panels on to it.

Hitching of the panels should be carried out according to the specifications of the producer of the ceiling system, and in compliance with the ceiling assembly standart EN 13964:2014.

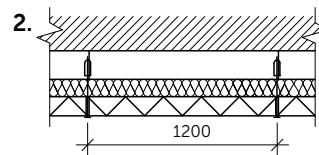
The number and positions of the mounts depend on the panel's weight and the bearing capacity of the construction. For example, the density of SoundWood 25 mm panels with a 1,0 mm wide wool is 11,5 kg/m².

A special attention should be payed to choosing the right size of panels, according to the construction's dimensions. For a 1200x2400 mm construction the panel size is 1195x2395 mm, but for a 1200x600 mm construction the size of panel is 1195x595 mm.

Types of mounting



A suspended ceiling T system is attached to the ceiling, then the panels are mounted to it.



2nd type is similar to the 1st, but a layer of mineral wool is inserted over the panels.

