

EWONA

FOR PERFECT ACOUSTICS

EwonaWool

PERFECT INDOOR CLIMATES FOR WORK AND REST



Ewonawool is an effective, safe and user-friendly woollen insulation panel. Its special features include cleanliness and dustlessness. This insulation panel has been developed to meet the heat and sound insulation needs of small homes and apartment buildings.

The panels are made of heat-bound polyester fibres. They contain at least 50% recycled fibre. These products have been granted the right to use the allergy certification logo of The Finnish Allergy, Skin and Asthma Federation. The products have also been granted an M1 emission rating.

Ewonawool does not bind moisture to itself (VTT RTE875/00), and does not contain any impurities. By choosing Ewonawool insulation panels, you can influence the indoor air quality as early as the construction stage, as no harmful particles will be released from the insulation later on. As the insulation plate is not susceptible to mold, it also does not provide favorable growth conditions for microbes.

EWONAWOOL



Use

The Ewonawool wool insulation is suitable to use from floor to ceiling. The Ewonawool insulation panels have been developed to meet the heat and sound insulation needs of small homes and apartment buildings. It's suitable for houses with wood and brick cladding, newly constructed buildings, and renovations. Insulation panels are used as thermal and acoustic insulation in external and partition walls, as well as in the ground and attic floors.

Choose Ewonawool insulation for the best indoor air quality and a safe living environment. For external walls, it is important to choose "emission-free" insulation for the internal insulation of the vapour barrier between the wall framing, for the partition wall insulation, and for the intermediate floor insulation. If you build the exterior wall as a breathable structure, you can choose Ewonawool insulation for the whole house.

- Hospitals and nursing homes
- Schools and kindergartens
- Swimming halls
- Sports facilities
- Cinemas and concert halls
- Offices
- Industrial halls and production facilities
- Residential construction
- Many other facilities



Technical specifications

Density (kg/m ³)	20, 30
Panel size (mm)	565 x 1170 or customer's measurements
Thermal conductivity $\lambda_{D(23,50)}$	0,041 W/mK
Fire classification	B-s1, d0
Thicknesses (mm)	20, 30, 40, 50, 100 or 20-100 mm on special request
Panel color	White



Impact resistance

Impact resistant, class 1A, EN 13964



Cleaning

Clean Ewona Acustica products by vacuuming or brushing. You can remove stuck-on dirt by wiping with a damp cloth. Do not use strong solvents, only water and a diluted detergent solution.



Mounting methods on the wall

Metal frame wall

Structure:

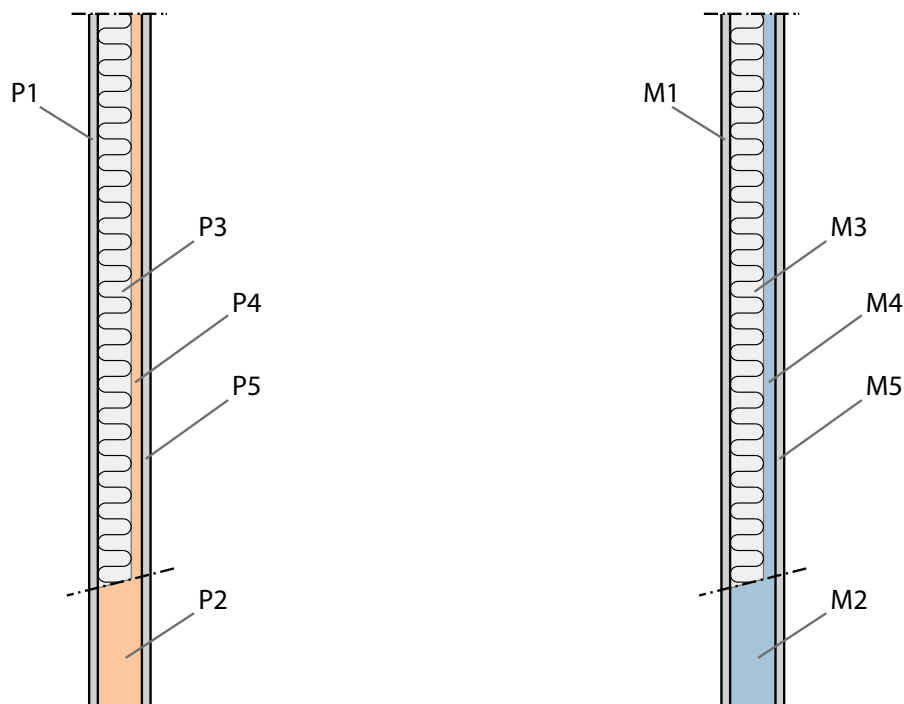
- **M1. Interior cladding gypsum panel 13 mm**
- **M2. Metal structural frame 68 mm**
- **M3. Ewona sound insulation 50 mm**
- **M4. Air gap 18 mm**
- **M5. Interior cladding gypsum panel 13 mm**
- **Rw = 41 dB**

Wall with wooden frame

Structure:

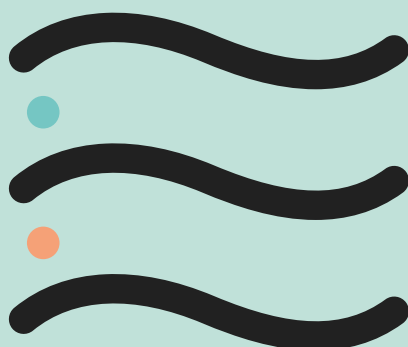
- **P1. Interior cladding gypsum panel 13 mm**
- **P2. Glulam structural frame 66 mm**
- **P3. Ewona sound insulation 50 mm**
- **P4. Air gap 16 mm**
- **P5. Interior cladding gypsum panel 13 mm**
- **Rw = 36 dB**

Rw is the airborne sound insulation value determined in the laboratory according to ISO 140-3. In a building, the sound insulation properties of a partition wall are affected by how leak-tight the structure and its adjacent structures are. The best sound insulation is achieved by blocking off the sound transmission paths by passing the connections through the surrounding surface structures and making the structures as leak-tight as possible.



Disposal of material

Certified eco-friendliness. The Ewonawool insulation panel is an environmentally friendly product throughout its life cycle. It's made of recycled fibre by using ecological methods. The use of wool insulation is safe for people and the environment. Disposing of the insulation is also easy after its life cycle, as the insulation can simply be processed and reused. After its life cycle, the Ewonawool insulation can be brought to textile recycling.



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