

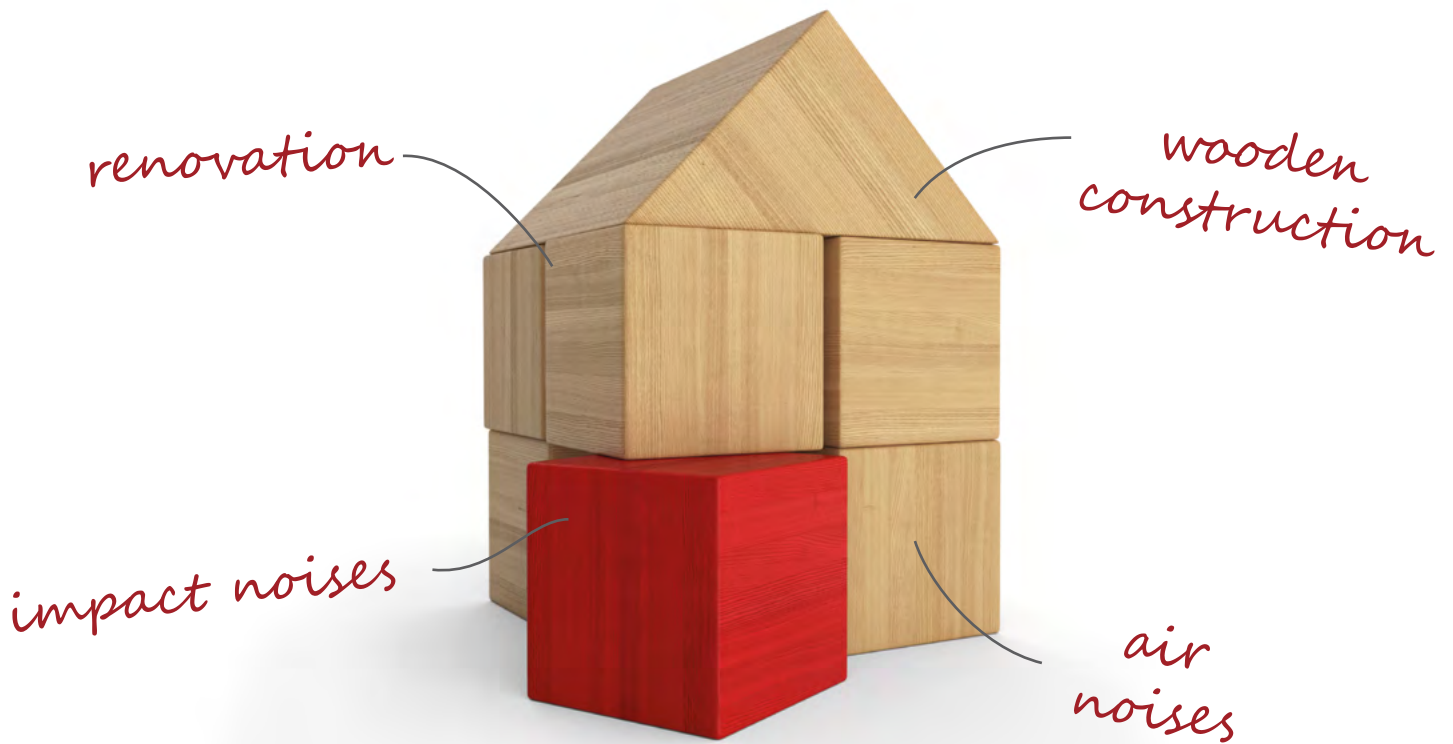
new



insulWood

The underlay for wooden floor

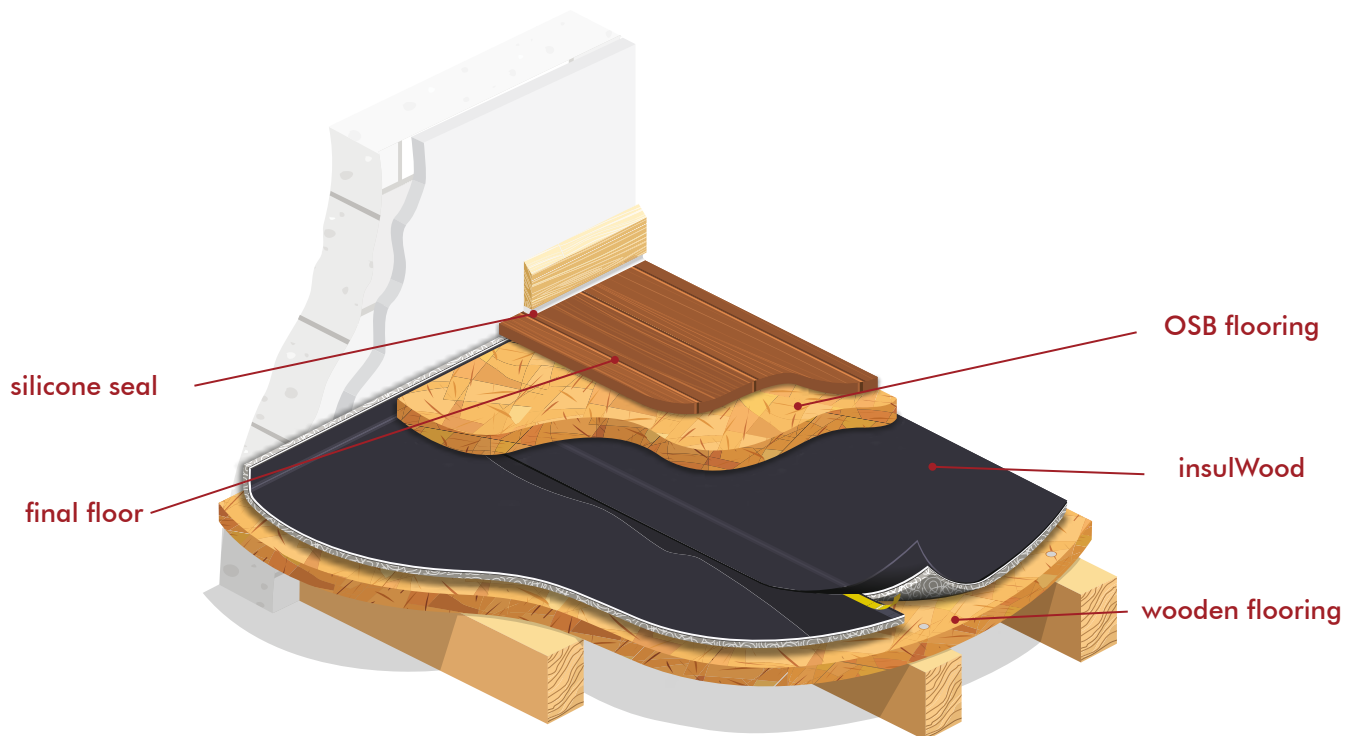
Acoustic floor insulation



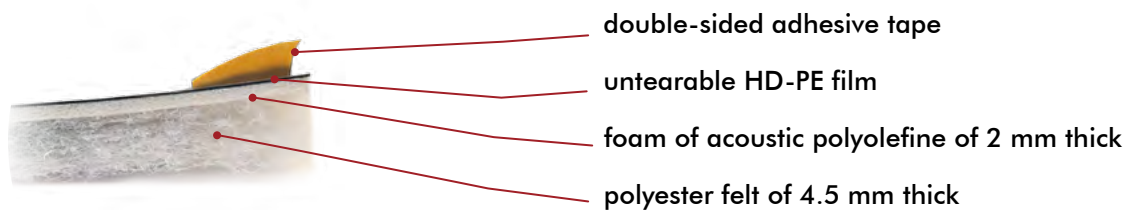
insulWood

InsulWood is the new thin acoustic insulator for new constructions or renovations made of wood. This underlay fights against impact and air noises between different floors.

The physical properties of the foam and felt make of insulWood a revolutionary and unique material. A membrane so thin had never offered such performances for a wooden structure before.



Structure

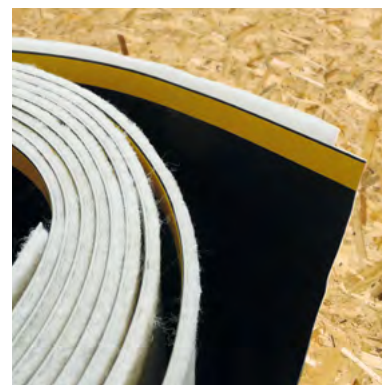


InsulWood is made up of a laminated high density polyethylene film on a polyolefine acoustic foam with closed cell structure and physically reticulated, and assembled on a resilient acoustic felt. The overlapping joint allows airtightness, which reduces air noises.

HD foam + felt: a revolutionary performance

Benefits

- High performance against impact noises (2013 Empa tests).
- Improvement of the acoustic isolation thanks to the mass spring mass principle.
- High density film with waterproof self-adhesive lateral joint to reduce air noises.
- Thin, only ± 6.5 mm.
- In rolls for a quick and easy installation.
- Possibility to raise along the baseboard to avoid lateral contacts.
- Very resistant and smooth structure, the wooden panels slide easily on it.
- Very thin flap incorporated (± 5 cm), no loss of m^2 .



Characteristics



Thickness	± 6.5 mm (under 500 Pa)
Color	Black (HD-PE film) – grey (foam) – white or black (felt)
Materials	HD-PE film, physically reticulated polyolefine, acoustic polyester felt
Weight	± 650 g/ m^2
Dynamic rigidity	$5 S_1'$ MN/ m^3 (CSCT de635xA78)
Roll	25 x 1 m + flat recovery with double-sided tape (± 5 cm)
Mechanic resistance	425 / 630 Kpa
Elongation	140 %

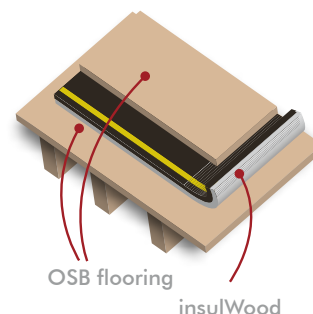
InsulWood is designed and developed specifically for light wood structures. Thanks to its low dynamic stiffness and technical components, the acoustic underlay insulWood offers outstanding performances and a long time resistance.

Implementation

1. Unroll insulWood by starting against a wall of the room, the side without adhesive tape against the wall. The white felt placed down and the black side up.
2. Raise the acoustic underlay insulWood laterally against the wall.
3. Cut the membrane with a good cutter. Put the following band edge to edge (felt and foam) and adjust the flat recovery on the double-sided tape of the adjacent band.
4. Release the protective yellow band to fix the lateral joint to it.
5. Follow the same procedure until the complete covering of the surface.
6. a) Put panels down either interlocking of minimum 18 cm OSB / Fermacell type in floating installation or two panels from 9 to 12 mm in crossed installation and mechanically fixed to each other.
b) Or pour a concrete screed of minimum 6 cm thick; in this case, you need to ensure to avoid lateral contacts.
7. Lay the final coating.
8. Cut the lateral surplus of insulWood, place the baseboard slightly higher than the floor and realize a waterproof flexible joint.

Remarks and precautions :

- Do not nail or screw through the insulWood membrane because the acoustic bridges reduce the acoustic comfort.
- Stick the membrane edge to edge to avoid extra thickness.
- It is also possible to put the insulWood membrane between a wooden flooring and a floating screed.



Description for the specifications

The phonic insulation of floorings will be obtained thanks to the interposition of an « insulWood ... » insulating mat made up of a laminated high-density polyethylene film on a closed cells physically reticulated polyolefin acoustic foam and assembled on an acoustic resilient felt. The mat will be of ± 6.5 mm thick • double structure • weight of ± 650 g/m² • dynamic rigidity of 5 S_i'MN/m³.