



lenofon[®]

Noise absorbing panel
in solid wood, for a
welcoming environment.

How do
you feel?



lenofon

What is it?

lenofon is an acoustic covering for ceilings and walls, for use in both new and restored buildings, made up of a soft fibre solid spruce panel with insulating layers of hemp and wood fibre.

Biological, ecological, and of excellent quality.

A new and exclusive covering for:

- » Congress rooms, offices and laboratories
- » Kindergartens, schools and public offices
- » Hotels, restaurants and wellness centres
- » Sitting and bed rooms.

Why use noise absorbing coverings?

- » Creates a pleasant and welcoming environment
- » Improves communication and efficiency, and so productivity
- » Reduces stress by limiting sound reverberation times.

Effectiveness confirmed by recognised studies.

- » The human voice contains high, medium and low frequencies
- » High frequencies are normally absorbed by carpets and furniture
- » Optimum acoustics are reached only by absorbing low and medium frequencies
- » Using the noise absorbing Lenofon covering we have a product that offers optimum absorption of these lower frequencies too
- » **lenofon** is the first product that lets us obtain very compact structures with thickness less than 10 cm
- » Measurements in the acoustic laboratory at the University of Rosenheim in Bavaria confirmed a minimum acoustic absorption coefficient $\alpha_w=0.5$ (LM), according to the height of the structure.



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Product sheet

(a) Solid soft-fibre spruce from Alpine forests

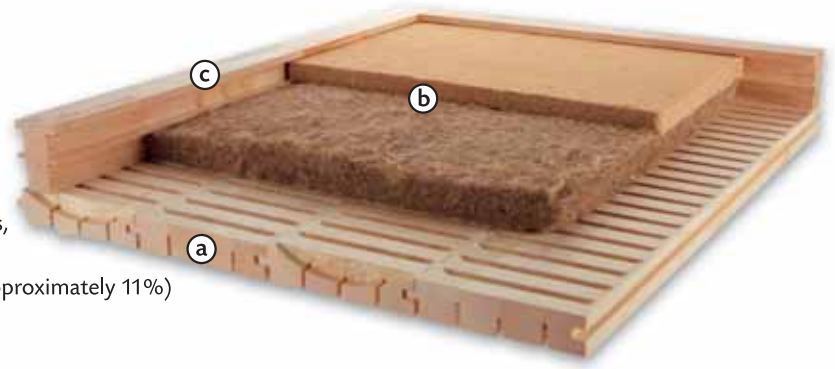
- » Finger jointed, free of knots and other faults, excellent visual quality
- » Slow and delicate drying (wood humidity approximately 11%)
- » Simple brushed surface
- » Colouring with biological dies on request
- » Standard size 33x177.5x2600 mm

(b) Noise absorbing and insulating panels:

- » Consists of two insulating panels combined, one flexible in hemp fibre, the other rigid in wood fibre
- » As well as noise absorption, the fibre panels offer heat insulation. Advantageous therefore in new building and in restoration, providing energy savings.

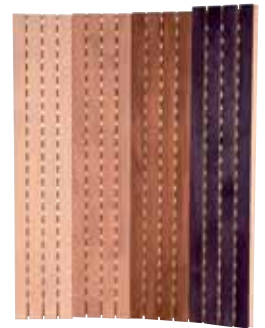
(c) Structure

- » Profiles in solid finger-jointed timber, with slots for quick installation
- » **lenofon**, the noise absorbing covering for ceilings and walls, can be installed on any new or existing structure (for example on supports for a false ceiling)



Installation

- » Fastening the panels to non-plastered walls or ceiling (saving plastering and painting)
- » Simple connection of insulating panels using the guide slots
- » Quick **lenofon** panel fastening using male-female system
- » Many installation possibilities (e.g. random length strips) and sizes as to needs and characteristics of the structure
- » Lighting can usually be installed with no problem.





www.holteg.com

Tel. +39 0471 610 062

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Producer Information

The new product **lenofon** was developed and patented in 2009 by the Company Holteg Srl in Nova Ponente (BZ, Italy).

The noise absorption properties were tested and acknowledged by the University of Rosenheim in Bavaria, Germany.

Thanks to excellent acoustic characteristics, elegant design and above all to the use of renewable and biological materials, Lenofon qualifies as an innovative and exclusive product.

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Certificates

+ Pavatex®, Pavapor:



+ Hock GmbH, Thermo-Hanf®:

