

NANO PERF

MICROPERFORATED
ACOUSTIC WOOD
INFOSHEET



About

Acoustic Nano Perf

Nano Perf are microperforated wood timber acoustic absorbers that are reclaimable and environmentally friendly. Excellent for public spaces, auditoriums and offices with perforations that are close to invisible. This allows for sound to be attenuated due to viscous friction in the submillimeter size of micro hole (with diameter of 0.5mm) and has a strong sound-absorbing effect for low frequency band. Available in a wide range of finishes in wood, lacquer or melamine. These wooden panels are the new go to for a sleek looking space whilst offering a high degree of acoustic absorption

Technical Data

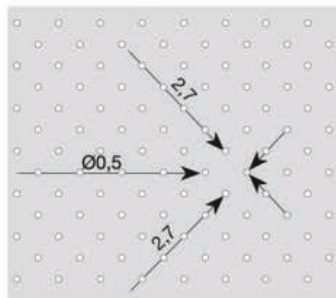
Nano Perf Acoustic Specifications

ACOUSTIC FEATURES

CHARACTERISTICS

Hole diameter	0,5 mm
Hole depth	0,7 mm
Spacing	2,7 x 2,7 mm staggered
Perforated area	2,7 %
Thickness	15 mm
Class	B

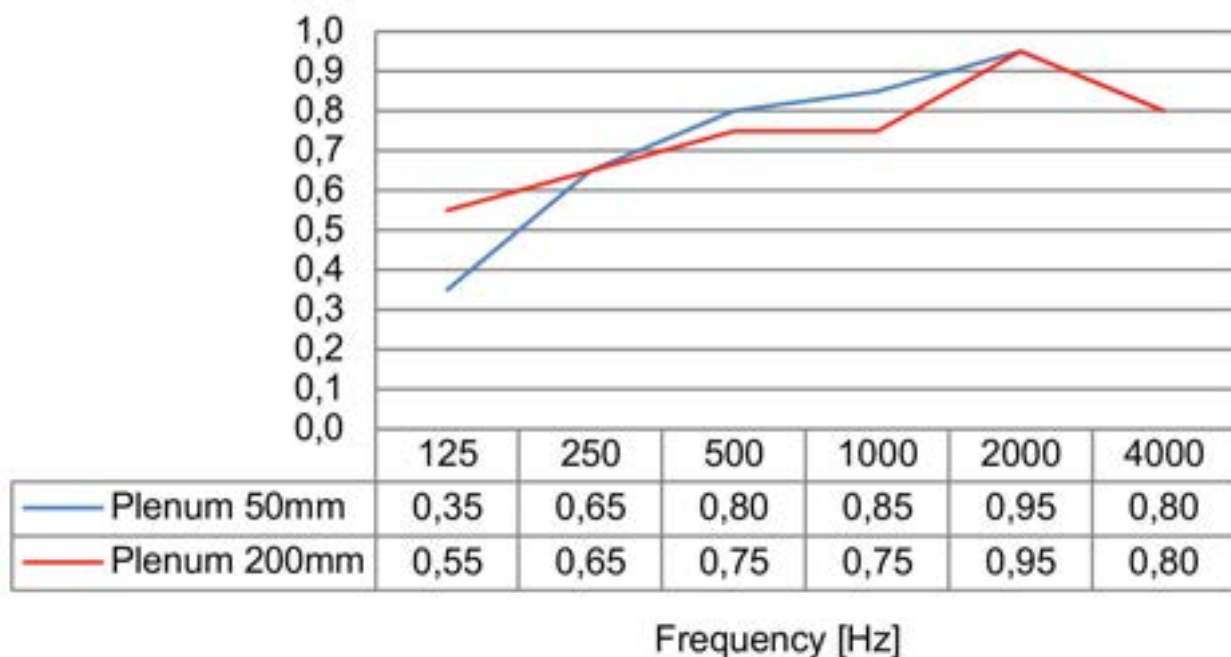
DIMENSIONS



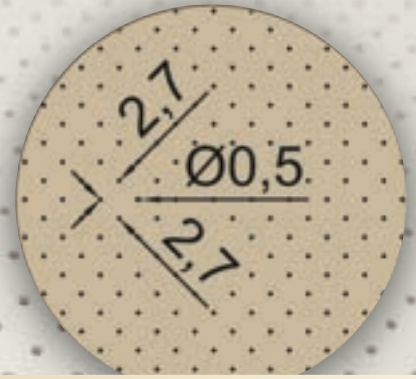
Sound absorption curves are calculated with 50mm and 200mm plenum with a mineral fibre layer 50mm and density 30kg/m³



ACOUSTICS



Frequency [Hz]



General Features

Nano Perf Technical Specifications

MATERIAL AND FINISHES

Manufactured on MDF, our panels can be finished with a wide range of wood veneer species, RAL or NCS lacquers, laminates or melamine designs.

DIMENSIONS (mm)

2400 x 600 / 1200 x 600 standard with a thickness of 15 mm.

PERFORATIONS

Practically invisible perforations. Microperforations of 0.5 mm spaced every 2.7 mm and 137.000 perforations per square metre.

APPLICATIONS

WALL (MDF 15mm)

Straight visible



Loose tongue



CEILINGS (MDF 12mm)

Straight visible



Semi concealed



Concealed movable





General Features

Nano Perf Technical Specifications

SOUND ABSORPTION

Our nano perf panels have sound absorption coefficients determined by tests carried out in accordance with the EN ISO 354 standard in certified laboratories.

FIRE REACTION

We carry out fire reaction tests in most of our manufactured products, based on the European EN 13501-1, American ASTM E84 and Canadian CAN / ULC S102 standards.

INSTALLATION SYSTEMS

Various mounting options for walls and ceilings. The panels can be nailed or glued directly on to wood battens, or using specific mounting profiles. For ceilings, we manufacture our panels adapted to all hanging systems existing on the market. In order to obtain an optimum absorption coefficient, it is necessary to leave a space of at least 30 mm between the back of the panels and the wall, filled with mineral fibre with a density between 30 and 40 kg/m³.

Material Finishes

Woodgrain Swatch Range



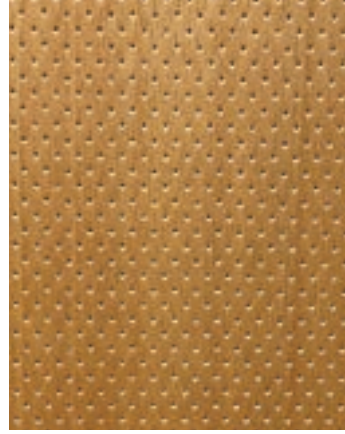
A5-7814

Arctic Oak



A5-2204

Golden Oak



B1-7868

Plush Anegre



B2-7554

Lourdes Oak



B1-7622

Dark Sapele



B1-7621

Rusty Sapele



A5-7822

Orange Cherry



A5-7815

Dark Oak

NOTE:

Due to the special characteristics of natural wood veneer, color tone and texture may vary. Images are only approximate. Never expose panels to direct sunlight or moonlight. Do not store outdoors or in extreme humidity or temperature conditions. Over time, due to its natural ageing process, the wood will change its original color. | [Other woodgrain swatches are available upon enquiry with your account provider.](#)

Acoustic Nano Perf Series

A wide range of applications are available. Our manufacturing system allows us to create acoustic panels for walls and ceilings variety of materials and finishes to best suit the requirements of each project.

We have collated the best designs you can choose from that best suit your preferences in creating a private space that gives you an acoustic application that performs exceptionally well and looks great for your space too.

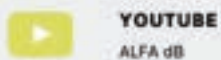




Application

Nano Perf on Wall and Ceiling

Get in touch with us



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