



SOUNDPROOFING

# ACOUSTIBOARD

## SOUNDPROOFING

ACOUSTIC FLOOR PANELS FOR ALL TYPES OF STRUCTURES



The ACOUSTIBOARD panel eliminates the need for the 38 mm (1½ in) concrete covering that is usually poured over wood structures, while also providing excellent acoustic performance. At only 3/8 in (8 mm) thick, ACOUSTIBOARD is easy to install on other types of structures and generally needs only to be laid in place. Eliminating the need for concrete over wood structures, it reduces the weight of the structure by more than 20 lbs/sf (97 kg/m<sup>2</sup>) and the height of the sub-floor by over 1½ in (38 mm).

### BENEFITS

- Suitable for new construction projects or renovations
- No special tools needed
- Can be used with all types of structures

### PRODUCT CHARACTERISTICS

THICKNESS	3/8 in (8 mm)
DIMENSIONS	36 in x 48 in (0.91 m x 1.22 m)
WEIGHT	1.7 lb (8 kg)
THERMAL PERFORMANCE (R-VALUE)	0.50



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

## SURFACE PREPARATION

### WOOD

Ensure the surface is free from any debris, such as nails, screws or any other materials that may damage the product once the floor finish is applied on the product.

Generally, a good cleaning is enough to prepare the surface. Make sure that there are no gaps between the two floor support panels. If necessary, fill those gaps with acoustic sealant.

### CONCRETE

The same preparation as for the wood deck should be performed, but since this product is a vapor barrier, you must also make sure that the concrete deck does not have a high moisture rate because the product may trap moisture in the concrete.

A maximum moisture content of 1.46 kg/100 m<sup>2</sup>/24 h (3 lb/328 ft<sup>2</sup>/24 h) is recommended. This reading can also be taken with a calcium chloride test.

## INSTALLATION INSTRUCTIONS

ACOUSTIBOARD should always be installed with the rubber granules facing down. Mechanically fix the four corners and the center using staples or large-head nails to ensure that the panel is flat; otherwise, simply lay out the ACOUSTIBOARD. The panels must be installed so that the joints are offset. Leave a space of about 1/8 inch at the perimeter between the ACOUSTIBOARD and walls, and fill it with acoustic sealant.

### LAMINATED COMPOSITE AND ENGINEERED WOOD

The finished wood flooring is placed on top of the panels. A minimum thickness of 0.4 in (10 mm) is recommended for laminated composite. Engineered wood could also be glued to the ACOUSTIBOARD panels using high-performance adhesives. In this case, the ACOUSTIBOARD must also be glued to the deck.

### NAILED HARDWOOD FLOORING

One panel of high-density OSB 5/8 inch thick, not tongue and groove, is placed over the ACOUSTIBOARD panel. The hardwood flooring is then nailed to the panel without the nails reaching the structure. It is recommended that a space of approximately 1/8 inch is left between the OSB panels to prevent the floor from squeaking.

### CERAMIC TILES

Two plywood panels 1/2 inch thick are glued and screwed together above the ACOUSTIBOARD panels. This assembly must be adequately fixed to the deck through the ACOUSTIBOARD to ensure mechanical stability under the ceramic tiles. Because ceramic surfaces are generally not very big, this will not significantly impact the soundproofing of the floor as a whole. Another option is to use a 1/2 inch thick cement panel in place of the two layers of plywood. In this case, the cement board panel joints must be coated with cement-glue and set before installing the ceramic tiles. To avoid altering the acoustic performance, the ACOUSTIBOARD can also be glued to the deck before gluing the two layers of plywood or the layer of cement board to the ACOUSTIBOARD.

**Important note:** Always store ACOUSTIBOARD panels in a dry place prior to installation.



If you have any questions about this product or its installation, please contact your SOPREMA representative.

