



# ACUSTILÁSTIC-N

Insulation of vibration and impact noise.

### DESCRIPTION

A recycled pressed rubber panel for the insulation of solid or structural vibrations, ideal for the construction of floating floors.

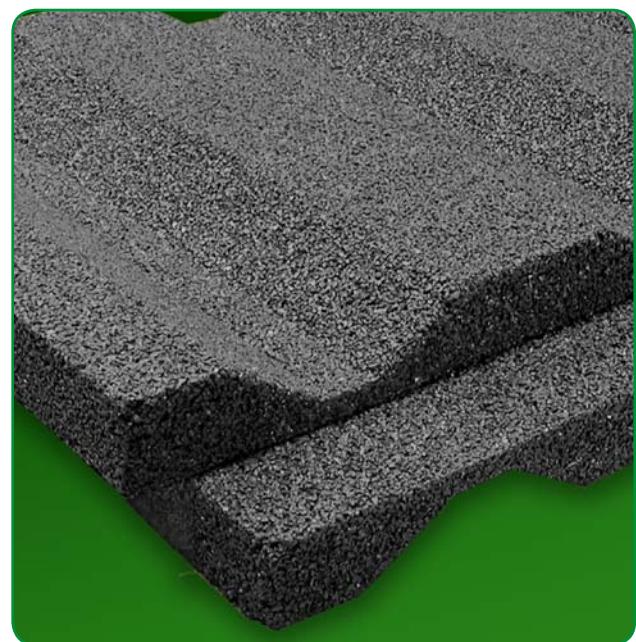
**Acustilástic-N** is the best solution for floating floors in a rapid, precise and effective manner, with no fear of cracks or unexpected acoustic bridges.

### ADVANTAGES

Waterproof to all types of fluid. Resistant to atmospheric agents. High durability. Recycled. Easy to apply. Surprising reduction of impact noise and vibrations - the most significant on the market.

### APPLICATIONS

Anti-vibratory elastic underpinnings in general.  
Floating floors.  
Inertia bases.



### TECHNICAL DATA

**Material:** Pressed recycled rubber.

**Workload:** 150-1500 kg/m<sup>2</sup>.

**Dimensions:** 500 x 1000mm panels.

**Thickness:** 50 mm.

**Weight:** 20 kg/m<sup>2</sup>.

**Fire resistance:** E<sub>fl</sub> in accordance with AITEX registry Nr. 09AN3186.

**Apparent dynamic rigidity per unit of sample surface, S`t:** 15 MN/m<sup>2</sup> in accordance with APPLUS N° 09/71-215 M1.

**Work frequency:** > 12 Hz.

**Reduction at 125 Hz of impact noise:** 39dB.

**Acoustic insulation:** In accordance with DECIBEL test Nr. LEM TL-081028.01 conducted using a 10cm concrete slab.

— Impact noise reduction.  
— Vibration reduction.



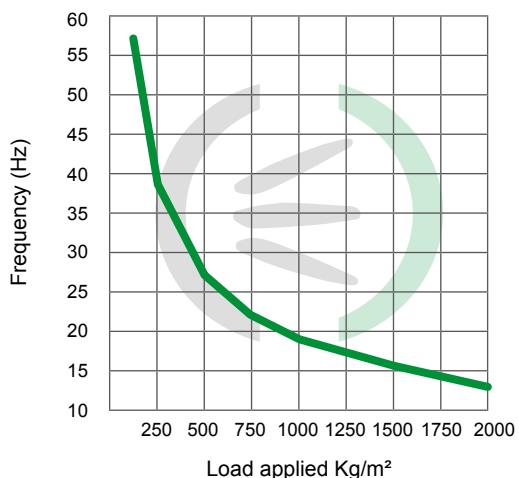
f (Hz)	$\Delta Lw$ (dB)
125	32
250	30
500	25
1K	27
2K	30
4K	18

Reduction of overall vibration:	22 dB
Reduction of the overall impact noise pressure level $\Delta Lw$ :	21 dB

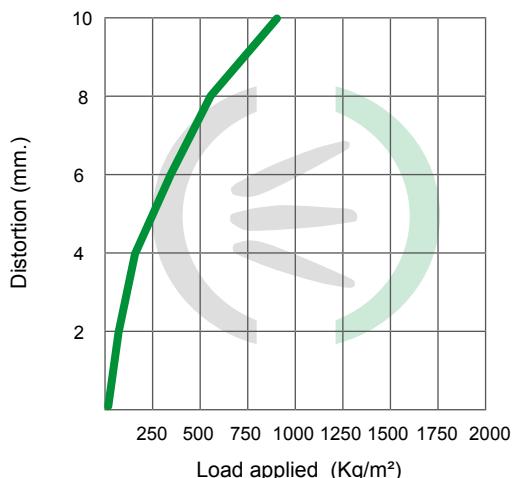
### LOAD TESTING

In accordance with APPLUS N° 09/71-215 M1.

Load – Resonance frequency



Load – Distortion



### ASSEMBLY INSTRUCTIONS

Surfaces to be treated should be as smooth as possible (a uniform layer of mortar may be applied if necessary) and the **Acustilástic-N** panels are laid with the smooth side facing up. The perimeter of the concrete slab should not come into contact with the vertical walls and before the slab is laid one strip of two layers of **PKB-2** is applied as insulation.



If the **Acustilástic-N** is laid in chequered form a wooden or metal sheet is installed as formwork. A plastic sheet is then placed on top to waterproof the system and to avoid acoustic bridges. A concrete slab with mesh is then laid over this bowl or bath.

We recommend a minimum 10cm thick concrete slab (minimum workload of 100 kg/m<sup>2</sup>) with a mesh (6mm to 8mm diameter rods with a 15cm x 15cm grid depending on the weight supported by the concrete slab).



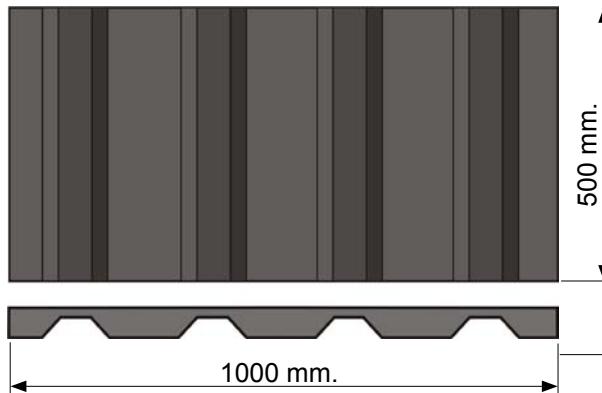
Continuous Acustilástic



Chequered Acustilástic

### SKETCHES AND PLANS

#### Dimensions



#### Installation sketches

