

Presentation

Sopravib are **soundproofing anchors** used to prevent the transmission of vibrations for suspended ceilings. The wide variety of these anchors help obtain better acoustic performance and ensures a perfect fixation to the different problems in a building.

Sopravib anchors have a vital role for an effective acoustic treatment in the living spaces.

Principle

Impact sounds propagates through solids and results a shock, then it transfers the vibrations towards other solid structure, creating a discomfort for the occupants.

Sopravib anchors replace conventional mechanical anchors and prevents the transmission of these vibrations through sound impacts to the structure above.

Applications

- **Sound absorption for ceilings, suspended ceilings, structures of concrete, full-surface wooden structure, gypsum-ceiling**
- **Decoupling technical facilities : air-conditioning systems, boilers...**
- **Damping vibrations of ventilation ducts or conveying particles (wood chips, pellets, metal parts) ...**

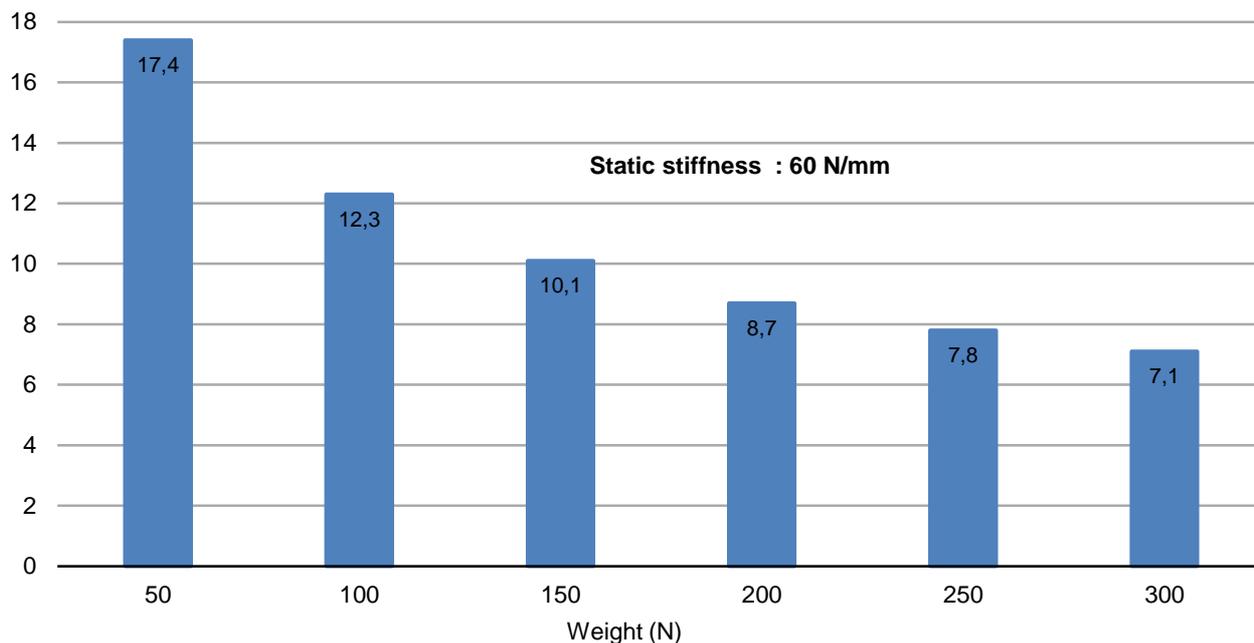
Proprieties

- **Strength** : composed of galvanized steel, optimal acoustical load of 30 kg (66 lb)
- **Résistance** at a constant temperature of (80°C / 176°F) and good et good aging in time
- **Conform** the acoustic standards DIN 4109/ European ETA-04/0026/ North-American ULC R19921
- **Easy** to install and to fix

Depending on developing knowledge and techniques, SILENT WAY reserves the right to modify the composition and conditions of use of its materials, and therefore their price, without notice. Consequently, each order will only be accepted in accordance with the conditions and technical specifications in force on the day of receipt.

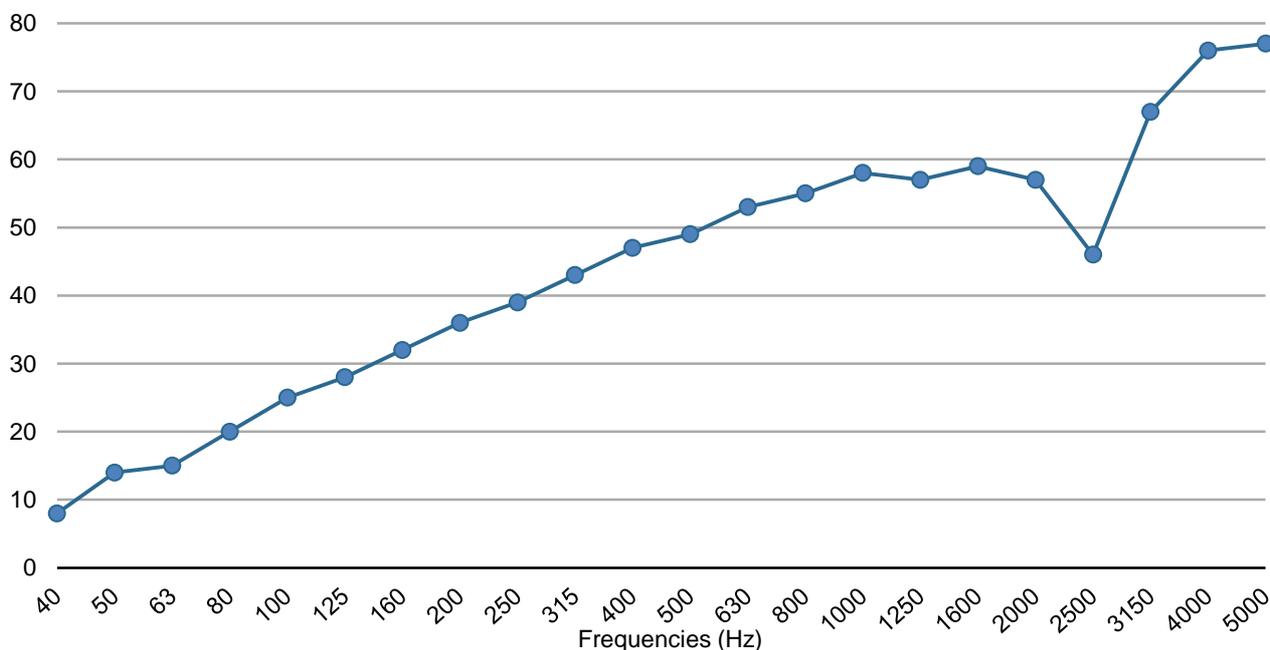
Mechanical performance

Resonance frequencies (Hz) as a function of the weight applied (Pv n° 20.655/1 Müller-bbm GmbH laboratory)

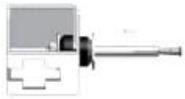


Sound performance

Difference ΔL (dB) of the level of solid-borne sound of a pin bearing a load of 13 kg /28,66 lb (Pv n°9273/14 Müller-bbm GmbH laboratory)



Composition and formats

Characteristics	<i>Sopravib SS1</i>	<i>Sopravib SS3-35</i>	<i>Sopravib SS acoustical attachment</i>	<i>Sopravib SS2/L-35</i>
Description				
Ares of use	Attaching eyelets/ hooks etc...		Attaching steel furring channels and suspended ceilings	Attaching rode M8 type
Composition	Galvanized steel anchor with pre-attached suspension and detached by a rubber element of 55 Shore A.			
Size	72 mm 2,83 in	45 mm 1,77 in	125 mm 4,92 in	42 mm 1,65 in
Packing (number of pieces per box)	100	100	100	100
Impact anchor	SDS1			SDS2
Installation method	SWM-SM 16			SWM-6-SM

Manner of application and specific indications

The suitability of the anchors can only be guaranteed if the conditions above are followed:

Installation by qualified personnel, under the supervision of the operator of the works.

Installation of the anchor as delivered by the manufacturer, without modifying the elements

Installation in accordance with the manufacturer's instructions and drawings, with the technical documentation as indicated in the European Technical Approval Documentation ETA04 / 0026 issued on 23 January 2008.

Before final anchor installation, necessity to check the strength class of the concrete is not less than that for which the characteristic loads are applicable.

Perfect compacting of the concrete, which should not, for example, have any vacuum.

Compliance with defined values, without negative tolerances for edge distances and center-to-center distances.

Arrangement of the holes without damaging the irons.

In the case where a hole is abandoned: drill another hole at a sufficient distance equivalent to at least twice the depth of the wrongly drilled hole or at a smaller distance if the hole is improperly drilled with heavy mortar; If the wrongly drilled hole is not located in the direction of the applied load, when a shear load or a biased load is applied.

Cleaning the hole, where the anchor will be applied.

Installation of the anchor in such a way that the effective implantation depth is respected. Compliance is ensured if the hole is drilled with the corresponding flanged wick provided for the anchor type.

Ankle expansion is achieved by means of the installation tools specified in the manufacturer's installation instructions.

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