

# Catalogue CONSTRUCTION

2024

**ACOUSTIC SUPPORT DESIGNED TO DESOLARIZE CONSTRUCTIVE SOLUTIONS OF PARTITIONS OR ACOUSTIC WALLS PERFORMANCE AND DESIGN ON THE EDGE OF THE IMPOSSIBLE!**



\*SENOR Antivibration Systems

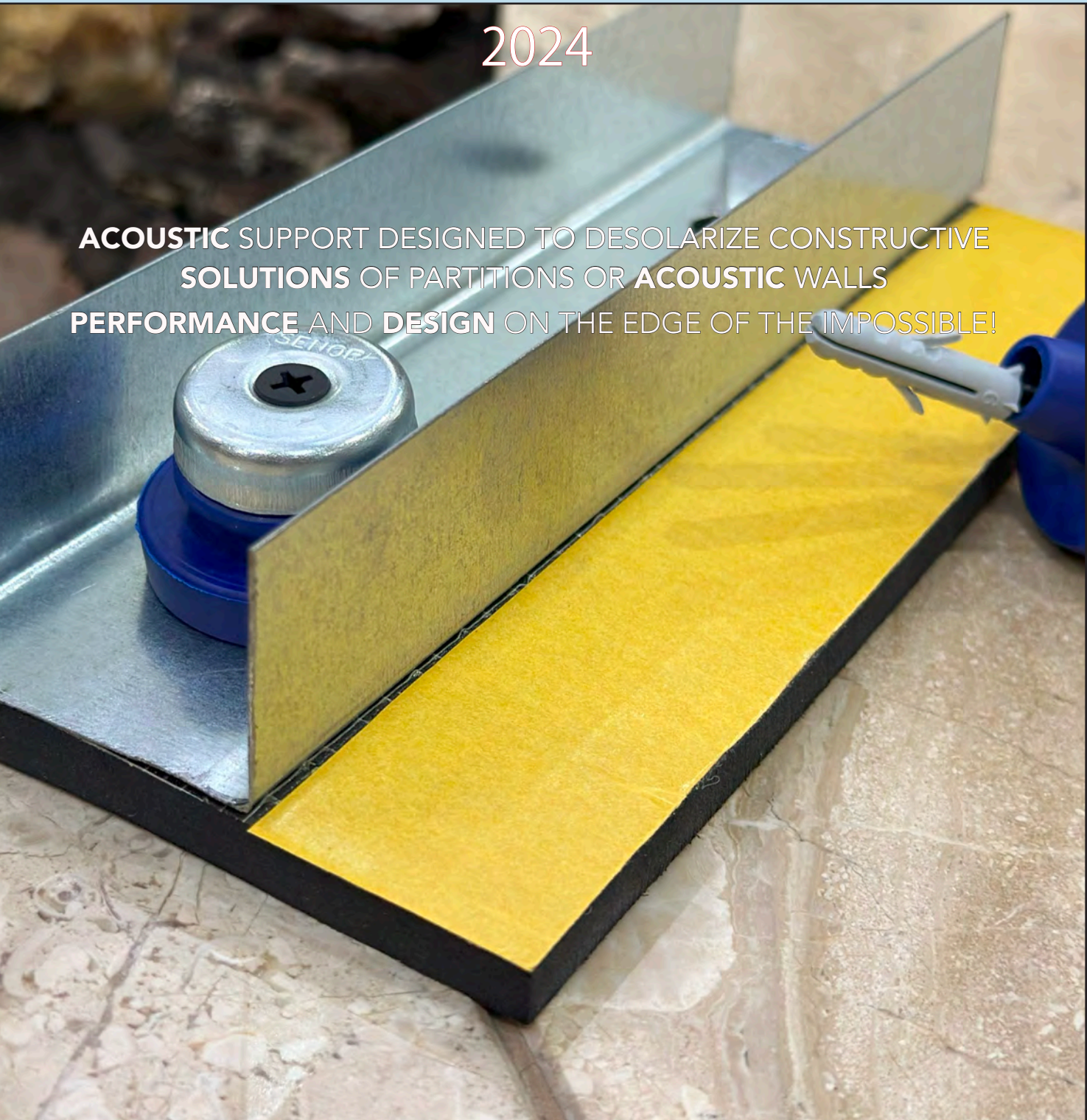


**SENOR**

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**PERFORMANCE** AND **DESIGN** ON THE EDGE OF THE IMPOSSIBLE!



**SENOR**

2024

Manufacturer of **ANTIVIBRATORY** systems.



## Ref. **TAV-500/11 A**

### Introduction

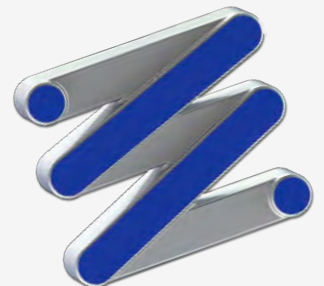
It is a special acoustic **support** to disconnect the gypsum board structure from the ceiling or vertical walls.

**Our engineers work every day by and for your safety.**

**TAV-500/11 A**; It is made of materials renewed and high-performance premiums that bring important improvements in the **vibro-mechanical** field.



\*SENOR Antivibration Systems





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## 2024

TAV-500/11 A

**PERFORMANCE AND DESIGN ON THE EDGE OF THE IMPOSSIBLE!**

Ref.  
**TAV-500/11 A**

**TAV-500/11 A:**

It is an essential product for the deactivation of all sound pollution by solid means.

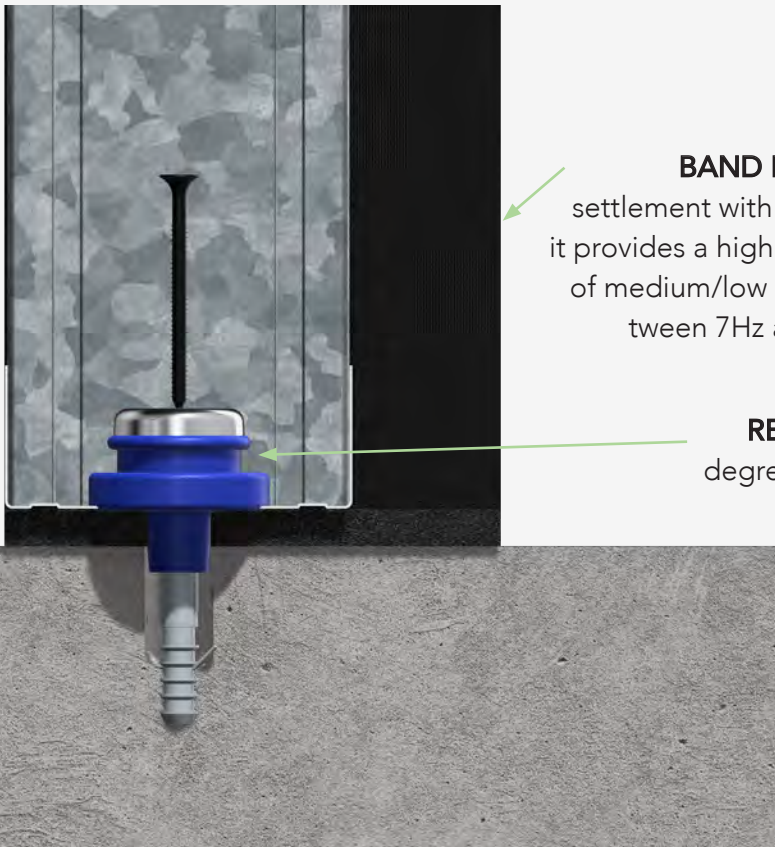
### Characteristics

**BAND EPDM CR-130/BEC:** This creates a perfect settlement with the original forging and at the same time, it provides a high degree of vibration isolation in the range of medium/low Hz frequencies. Resonance Frequency between 7Hz and 15Hz according to given deformation.

**RENEWED POLYMERS:** These have a higher degree of isolation to vibrations in the mid/high frequency range Hz.

**(KRAIBURG-TPE).**

System tested according to **UNE-EN ISO 10846-1:2009** standard.



**RECOMMENDED FOR ALL TYPES OF PROFILES:**

Profile 48 mm, 70 mm, 90 mm, 125 mm, etc...



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Manufacturer of **ANTIVIBRATORY** systems.



### **SAFETY** Device

#### **SUPPORT TAV-500/11 A:**

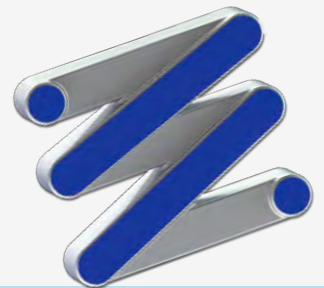
This makes it possible to create a separation between materials without losing the mechanical **safety** of the system. Its **ergonomic** design gives us the advantage of channeling and isolating any fixing element (**screw**) of the rest of materials getting to break the phonic bridges and eradicate vibromechanical transmissions to the pavement or wall.

#### **HIGHLIGHTED QUALITIES::**

Safety, efficiency, performance and remarkable ease of installation.

**EI TAV-500/11A** is a low-cost product that provides safety and drastically eliminates noise pollution. Undoubtedly, to achieve its full effectiveness it must be combined with **SENOR** acoustic tapes type **BEC**.

**ACOUSTIC  
SUPPORT**



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# Catalogue CONSTRUCTION

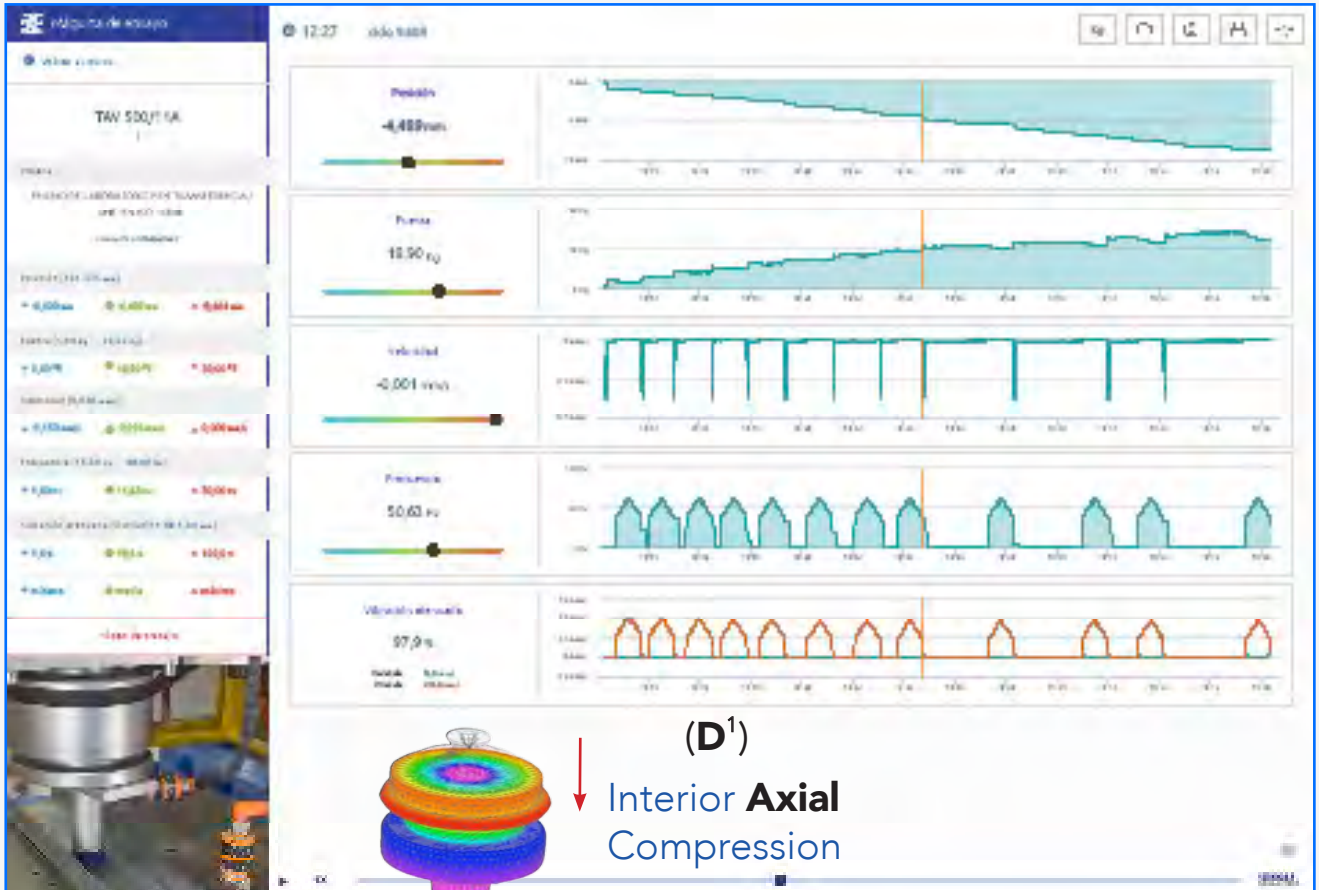
## 2024

TAV-500/11 A

**PERFORMANCE AND DESIGN ON THE EDGE OF THE IMPOSSIBLE!**

**LABORATORY Test.** UNE-EN ISO 10846-1:2009

Acoustics and vibrations. Laboratory measurement of the vibro-acoustic transfer properties of elastic elements.



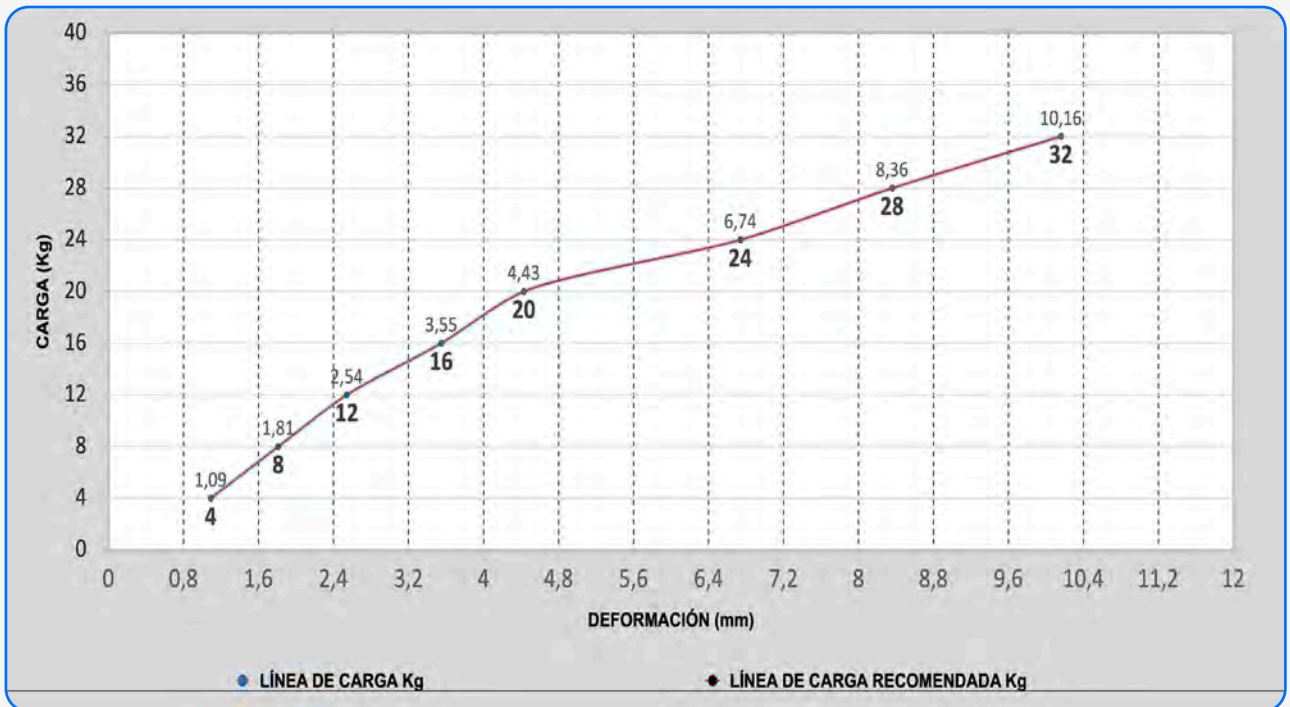
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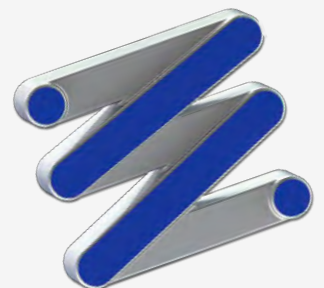


**System D<sup>2</sup>: "EPDM CR-130/BEC-8. "**

Resonance frequency **7 to 15 Hz**



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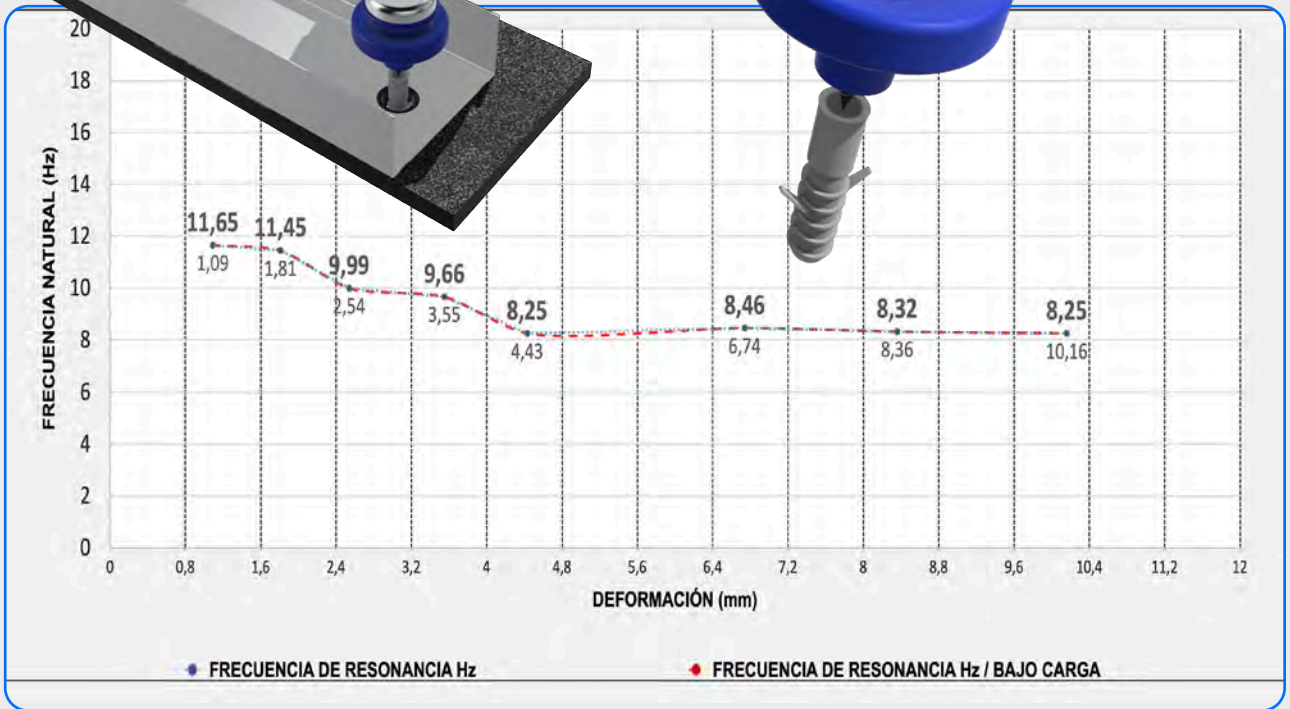
**SENOR**



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TAV-500/11 A  
PERFORMANCE AND DESIGN ON  
THE EDGE OF THE IMPOSSIBLE!





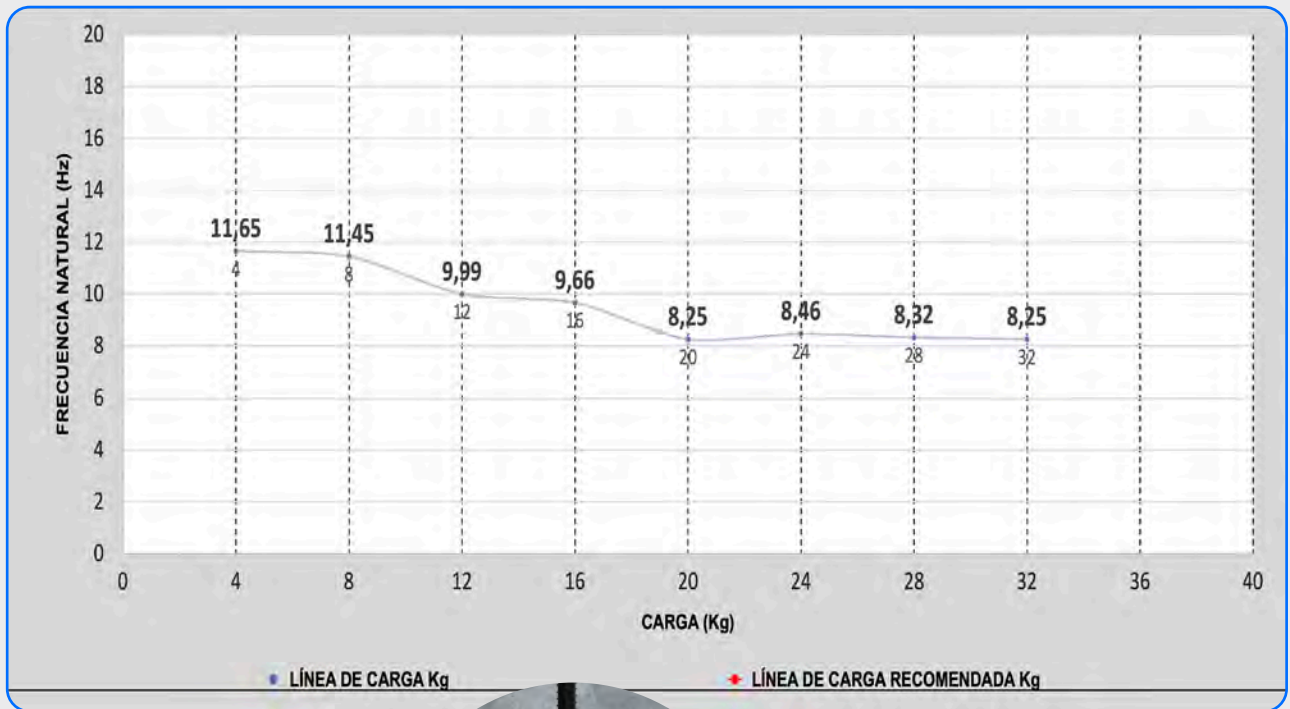
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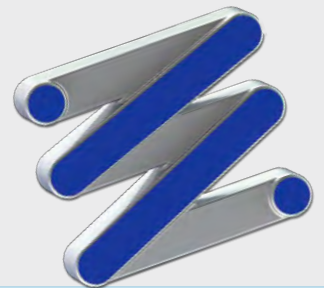
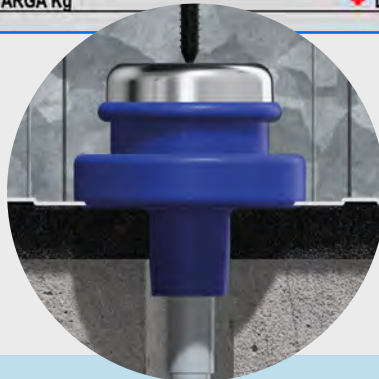
**ACOUSTIC SUPPORT** DESIGNED TO DESOLARIZE CONSTRUCTIVE **SOLUTIONS** OF PARTITIONS OR **ACOUSTIC WALLS**

**PERFORMANCE** AND **DESIGN** ON THE EDGE OF THE IMPOSSIBLE!

Manufacturer of **ANTIVIBRATORY** systems.



ACOUSTIC  
SUPPORT



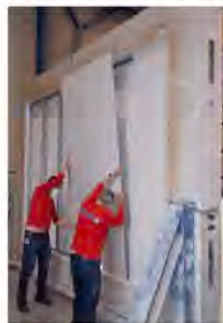
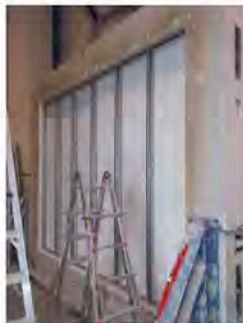
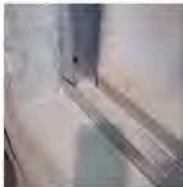
\*SENOR Antivibration Systems

### Results of LABORATORY WITHOUT TAV-500/11 A

AKUSTIKA ARLOA/AREA DE ACUSTICA  
Erakuntzaren Kalitate Kontrolerako Laborategia  
Laboratorio de Control de Calidad de la Edificación



tecnalia



Informe de Ensayo Nº B2020-LACUS-IN-122-1 A

Página 6 de 14

AKUSTIKA ARLOA/AREA DE ACUSTICA  
Erakuntzaren Kalitate Kontrolerako Laborategia  
Laboratorio de Control de Calidad de la Edificación



AKUSTIKA ARLOA kudeatzen duen  
AREA DE ACUSTICA gestionatzen duen  
tecnalia

#### Índice de Mejora de reducción acústica de un revestimiento sobre pared base pesada normalizada según UNE-EN ISO 10140-1:2016 Anexo G Medidas en Laboratorio según UNE-EN ISO 10140-2:2011

Solicitante: SUSPENSIONES ELÁSTICAS DEL NORTE, S.L. (SEÑOR)

Nº Resultado: B2020-122-M757 MRA

Fecha Ensayo: 21/10/2020

Muestra: TRASDOSADO AUTO-PORTANTE NO ACÚSTICO (SEÑOR + CHOVA): SE-MP/ESC 3803; SE-BEP-3X48; CHOVA VISCOLAM.

Pared pesada normalizada: Fábrica de bloque de hormigón macizado revestida (300 kg/m<sup>2</sup>), ensayada el 19/10/2020 (R<sub>w</sub>)

Masa superficial estimada: 25 kg/m<sup>2</sup>

Área muestra: 10,08 m<sup>2</sup>

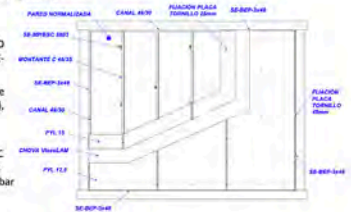
Volumen sala emisora: 65,6 m<sup>3</sup>

Volumen sala receptora: 55,2 m<sup>3</sup>

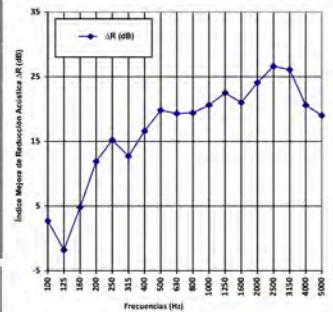
T<sub>ambiente</sub>: 20,4 °C

HR<sub>ambiente</sub>: 54 %

P<sub>ambiente</sub>: 949 mbar



f (Hz)	R <sub>w</sub> (dB)	R <sub>eq</sub> (dB)	ΔR (dB)
100	38,1	35,4	2,7
125	34,2	36,0	-1,8
160	39,6	34,8	4,8
200	46,3	34,4	11,9
250	49,4	34,2	15,2
315	50,7	38,0	12,7
400	57,9	41,3	16,6
500	63,0	43,2	19,8
630	65,6	46,3	19,3
800	68,3	48,9	19,4
1000	72,6	52,0	20,6
1250	76,7	54,2	22,5
1600	77,2	56,2	21,0
2000	80,8	56,7	24,1
2500	80,5	53,9	26,6
3150	78,9	52,8	26,1
4000	74,4	53,8	20,6
5000	73,3	54,3	19,0



R <sub>w</sub> (C, C <sub>50</sub> ) <sub>med</sub> : 59(-3;-8) dB	R <sub>w</sub> (C, C <sub>50</sub> ) <sub>med</sub> : 48(-2;-5) dB
R <sub>w,med</sub> : 57,3 dBA	R <sub>w,med</sub> : 47,1 dBA
R <sub>w,med</sub> : 50,7 dBA	R <sub>w,med</sub> : 42,9 dBA

Índices ponderados según UNE-EN ISO 10140-1:2016 Anexo G:

ΔR<sub>w,med</sub> = 11 dB / Δ(R<sub>w</sub>+C)<sub>med</sub> = 9 dBA / Δ(R<sub>w</sub>+C)<sub>med</sub> = 7 dBA

Δ(R<sub>w</sub>+C)<sub>med</sub> = 9 dBA / Δ(R<sub>w</sub>+C)<sub>med</sub> = 7 dBA

Evaluación basada en medidas de laboratorio mediante método de ingeniería



Informe de Ensayo Nº B2020-LACUS-IN-122-1 A

Página 13 de 14

## Conclusions LABORATORY.

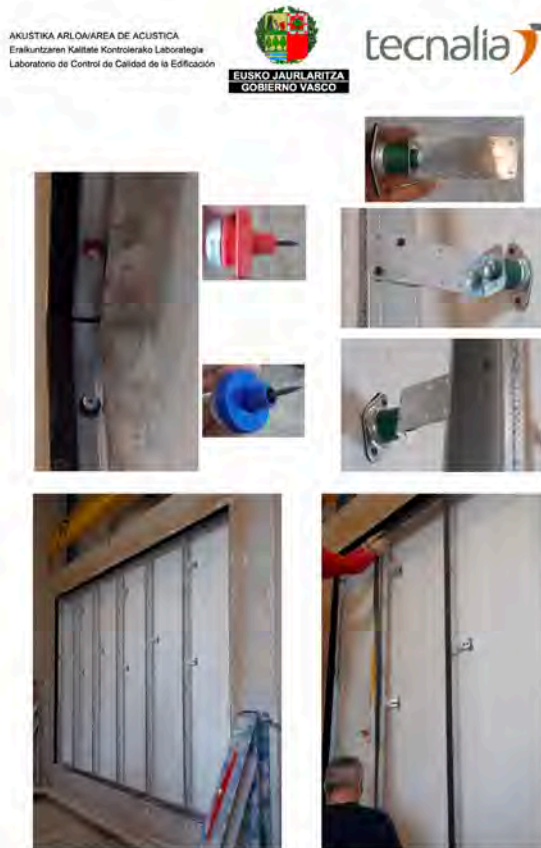
As we can see from the results, the wall contributes to the system at **9dBA**. This is due to applying mass + coincidence effects + distance.

# Catalogue CONSTRUCTION

## 2024

### Results of LABORATORY WITH TAV-500/11 A

Manufacturer of ANTIVIBRATORY systems.



Informe de Ensayo Nº B2020-LACUS-IN-122-2 A

Página 6 de 14

AKUSTIKA ARLOA/AREA DE ACUSTICA  
Erakuntzaren Kalitate Kontrolerako Laborategia  
Laboratorio de Control de Calidad de la Edificación

**EUSKO JAURLARITZA**  
GOBIERNO VASCO

**tecnalia**

AKUSTIKA ARLOA kudeatzailea  
AREA DE ACÚSTICA gestionada por:

**tecnalia**

**Índice de Mejora de reducción acústica de un revestimiento sobre pared base pesada normalizada según UNE-EN ISO 10140-1:2016 Anexo G**  
**Medidas en Laboratorio según UNE-EN ISO 10140-2:2011**

Solicitante: SUSPENSIÓN ELÁSTICA DEL NORTE, S.L. (SEÑOR)  
Nº Resultado: B2020-122-M758 MRA  
Fecha Ensayo: 23/10/2020

Muestra: TRASDOSADO AUTO-PORTANTE ACÚSTICO (SEÑOR + CHOVA): SE-BEC-6X100; SE-TAV-500/11A; SE-TAV-500/11R; SE-BEC-10X100; SE-MONT-BICAPA-40; SE-3902/03 TD1; CHOVANAPA; CHOVA VISCOLAM.  
Fijación pesada normalizada: Fabrica de bloque de hormigón macizado revestida (300 kg/m<sup>2</sup>), ensayada el 19/10/2020 (R<sub>0a</sub>)

Masa superficial estimada: 25 kg/m<sup>2</sup>  
Área muestra: 10,08 m<sup>2</sup>  
Volumen sala emisora: 65,3 m<sup>3</sup>  
Volumen sala receptora: 55,2 m<sup>3</sup>

T<sub>amb</sub>: 20,4 °C  
HR<sub>amb</sub>: 53 %  
P<sub>amb</sub>: 961 mbar

f (Hz)	R <sub>0a</sub> (dB)	R <sub>0a</sub> (dB)	ΔR (dB)
100	43,8	35,4	8,4
125	44,4	36,0	8,4
160	48,4	34,8	13,6
200	51,9	34,4	17,5
250	50,3	34,2	16,1
315	56,9	38,0	18,9
400	60,1	41,3	18,8
500	65,0	43,2	21,8
630	69,5	46,3	23,2
800	71,9	48,9	23,0
1000	74,4	52,0	22,4
1250	80,5	54,2	26,3
1600	84,2	56,2	28,0
2000	87,7	56,7	31,0
2500	91,8	53,9	37,9
3150	91,6	52,8	38,8
4000	84,2	53,8	30,4
5000	81,8	54,3	27,5

R <sub>0a</sub> (C <sub>0</sub> ) <sub>med</sub> : 65(2;-7) dB	R <sub>0a</sub> (C <sub>0</sub> ) <sub>med</sub> : 48(2;-5) dB
R <sub>0a</sub> med: 64,1 dBA	R <sub>0a</sub> med: 47,1 dBA
R <sub>0a</sub> med: 57,8 dBA	R <sub>0a</sub> med: 42,9 dBA

Índices ponderados según UNE-EN ISO 10140-1:2016 Anexo G:  
 ΔR<sub>med</sub> = 17 dB / Δ(R<sub>0a</sub>+C)<sub>med</sub> = 16 dBA / Δ(R<sub>0a</sub>+C)<sub>med</sub> = 15 dBA  
 Δ(R<sub>0a</sub>+C<sub>100-5000</sub>)<sub>med</sub> = 16 dBA / Δ(R<sub>0a</sub>+C<sub>100-5000</sub>)<sub>med</sub> = 15 dBA

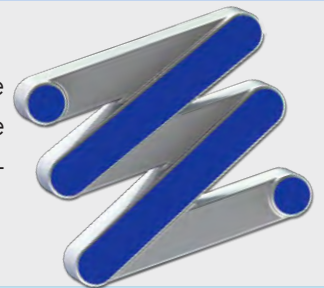
Evaluación basada en medidas de laboratorio mediante método de ingeniería  
 \*R y ΔR 2 valor indicado límite medido por arriba. n<sub>med</sub> de fondo y R<sub>amb</sub>: R<sub>amb</sub> 2500 Hz = 32,4 dB; 3150 Hz = 30,3 dB; 4 Hz y ΔR 2 valor indicado límite medido por arriba. R<sub>amb</sub>: R<sub>amb</sub> 4000 Hz = 36,9 dB; 5000 Hz = 34,1 dB.

Informe de Ensayo Nº B2020-LACUS-IN-122-2 A

Página 13 de 14

### Conclusions LABORATORY.

By adding one more factor to the system: mass + coincidence effects + distance + **elasticity**. We see that the increase of the system is now **16 dBA**. That is, it has improved by **7dBA** compared to the first that does not incorporate **TAV-500/11 A**.



# SEÑOR



\*SEÑOR Antivibration Systems



# Catalogue CONSTRUCTION 2024

TAV-500/11 A

**PERFORMANCE AND DESIGN ON THE EDGE OF THE IMPOSSIBLE!**

## Certificate of **CONFORMITY**

SENOR certifies that:



**Ref.TAV-500/11 A** of the construction range for acoustic connection of **ACOUSTIC** walls or **ACOUSTIC** partition walls inside buildings have a product life of **10 years**, provided that their installation is carried out under normal **environmental conditions** and they are not exposed to chemical components that may degrade the product. Model Mod. TAV-500/11 A complies with UNE 100-153-88: anti-vibration supports: selection criteria.

**SENOR; declares under its responsibility that the following anti-vibration components for acoustic walls in buildings strictly comply with the technical specifications for installation and application appearing in the technical documentation of the product.**



**Certificación**  
Concedida a  
**SUSPENSIONES ELÁSTICAS DEL NORTE, S.L.**  
POL. IND. EL GARROTAL - PARCELA 10, MÓDULO 5 - 14700 - PALMA DEL RÍO - CÓRDOBA - ESPAÑA

Bureau Veritas Certification certifica que el Sistema de Gestión ha sido auditado y encontrado conforme con los requisitos de la norma:

**NORMA**  
**ISO 9001:2015**  
El Sistema de Gestión se aplica a:

DISÑO, DESARROLLO Y FABRICACIÓN DE AISLADORES ACÚSTICOS PARA LA ERRADICACIÓN DE LAS VIBRACIONES Y LA CONTAMINACIÓN POR RUIDO PARA SU APLICACIÓN EN LOS SECTORES DE LA CONSTRUCCIÓN Y LA INDUSTRIA.

Número del Certificado:	ES139741 - 1
Aprobación original:	25-09-2002
Auditoría de certificación/renovación:	29-08-2023
Caducidad del ciclo anterior:	03-10-2023
Certificado en vigor:	04-10-2023
Caducidad del certificado:	03-10-2026

Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación

Bureau Veritas Iberia S.L.  
C/ Valportillo Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España




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# Catalogue CONSTRUCTION

## 2024

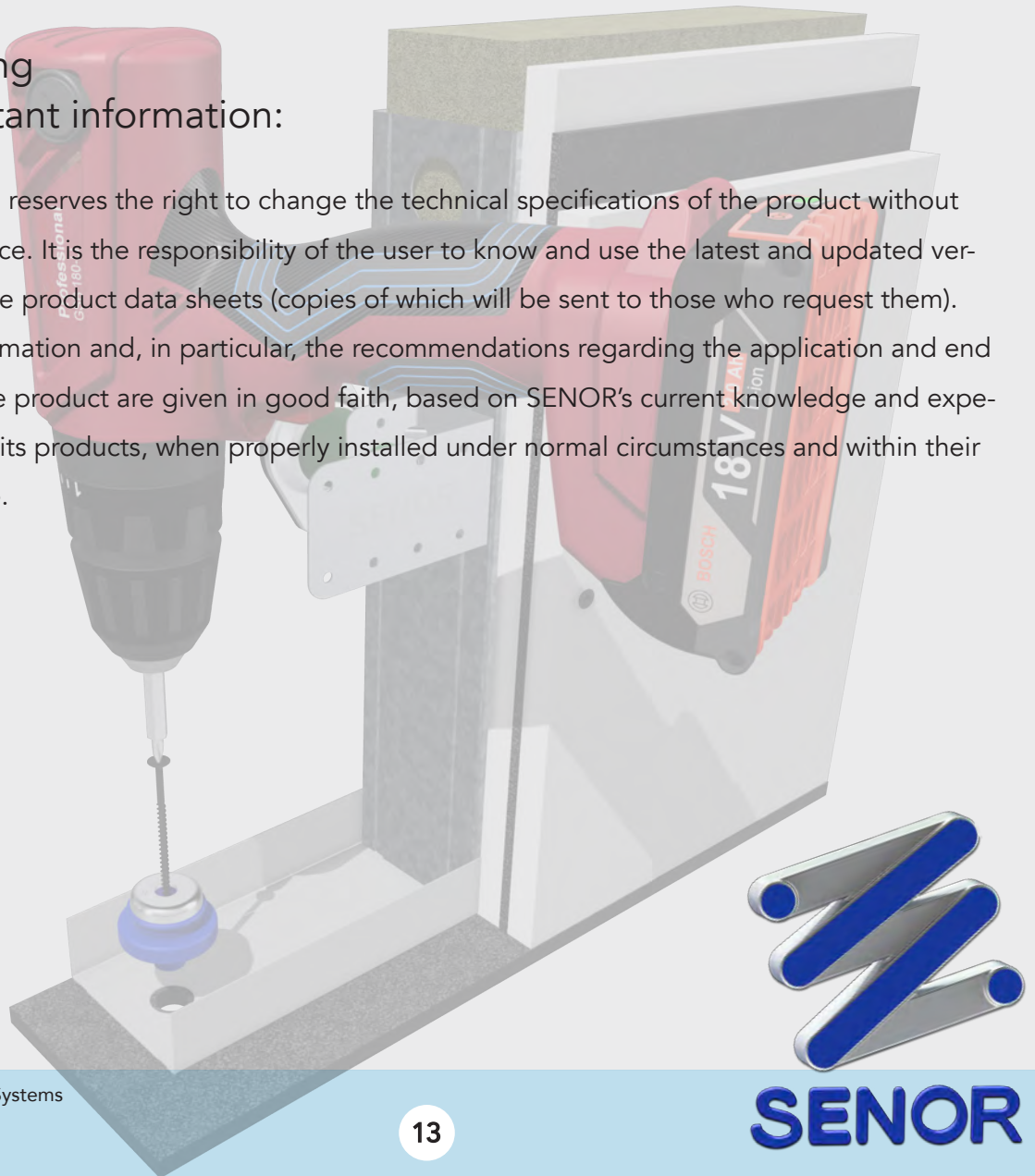
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**PERFORMANCE AND DESIGN ON THE EDGE OF THE IMPOSSIBLE!**

Manufacturer of ANTIVIBRATORY systems.

Warning  
Important information:

**SENOR**; reserves the right to change the technical specifications of the product without prior notice. It is the responsibility of the user to know and use the latest and updated version of the product data sheets (copies of which will be sent to those who request them). This information and, in particular, the recommendations regarding the application and end use of the product are given in good faith, based on SENOR's current knowledge and experience of its products, when properly installed under normal circumstances and within their useful life.



\*SENOR Antivibration Systems

