

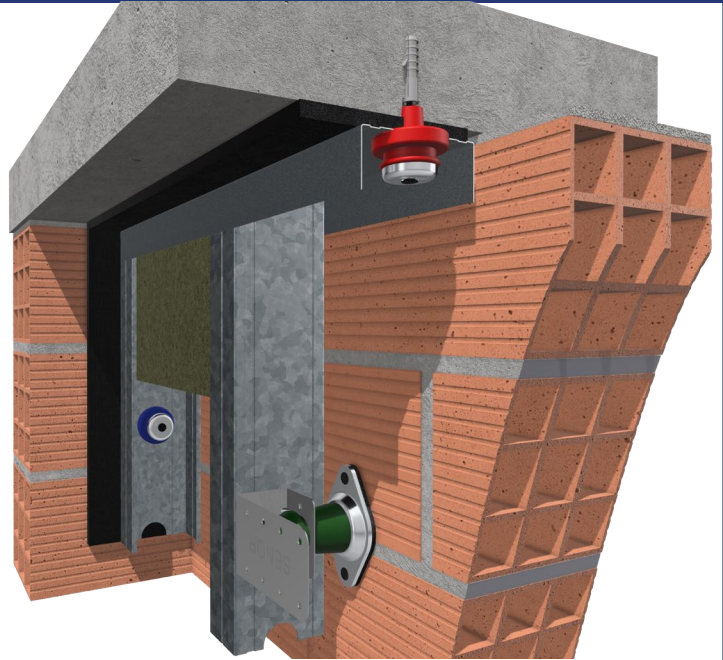
Ref.
SE-TAV-500/11 R

INTRODUCTION

It is a unique acoustic **plug** to decouple the plasterboard structure from the ceiling or vertical walls.

Our engineers work every day to create products and solutions that priorities your safety.

TAV-500/11 R; is manufactured with renewed, high-performance raw materials that provide significant improvements in the **vibro-mechanical** field by more than **16 dBA**.



FIRE



NOISE

SEÑOR has a proven track record in the market of drywall solutions, focusing on the manufacturing of acoustic dampers. In order to continue improving its products and services, it has developed a new approach that completely revolutionizes the way in which the construction of partition walls is designed.

This innovative system provides a tool that combines advanced technology with proven expertise, allowing engineers and architects to design high-performance acoustic partitions with greater precision and reliability. With guaranteed safety, success in results is assured.

Through this new methodology, **SEÑOR** aims to transform the construction environment for the benefit of the industry and society alike. This cutting-edge solution represents a breakthrough in the field of acoustic engineering and dry-wall partitioning.



Ref.
SE-TAV-500/11 R

PERFORMANCE AND DESIGN AT THE EDGE OF IMPOSSIBLE!

TAV-500/11 R is an essential product for eliminating all solid-borne acoustic contaminations.

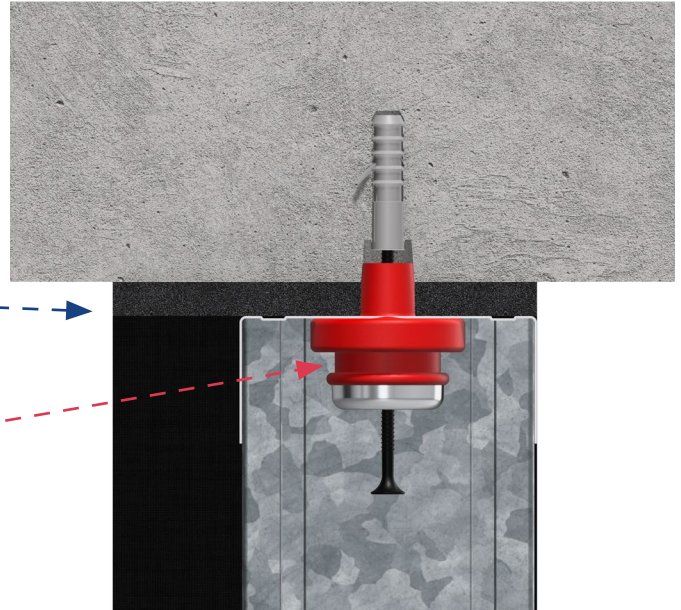
CHARACTERISTICS

EPDM CR-130/BEC acoustic strip: It is an **acoustic membrane** that 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** depending on the given deformation.

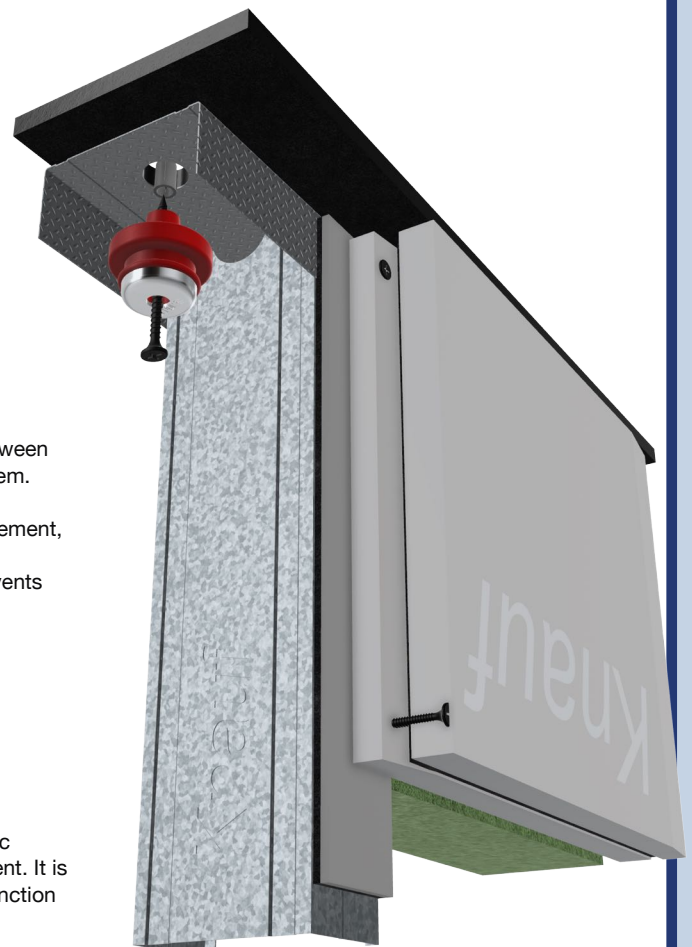
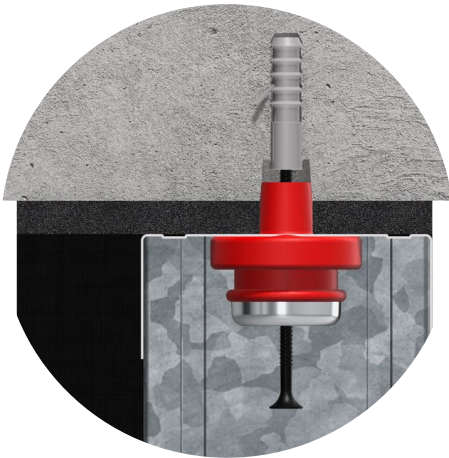
TAV-500/11 R acoustic plug manufactured from a renovated polymer (**KRAIBURG-TPE**). System tested according to the standard **UNE-EN ISO 10846-1:2009**; exhibits a higher damping factor and a high degree of vibration isolation in the range of medium/low Hz frequencies.

Resonance Frequency between **7Hz** and **15Hz** depending on the given deformation.



RECOMMENDED FOR ALL TYPES OF PROFILES:

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



SAFETY

TAV-500/11 R is an essential tool for creating an effective separation between different materials, without compromising the mechanical safety of the system.

Thanks to its **ergonomic** design, this plug is able to isolate any fastening element, such as a **screw**, from the rest of the materials, which helps to avoid the transmission of vibrations and reduces the sound bridge. In this way, it prevents the vibro-mechanical transmission to the concrete floor or wall. In short, TAV-500/11 R is an effective solution to guarantee good acoustics in any construction project.

OUTSTANDING FEATURES

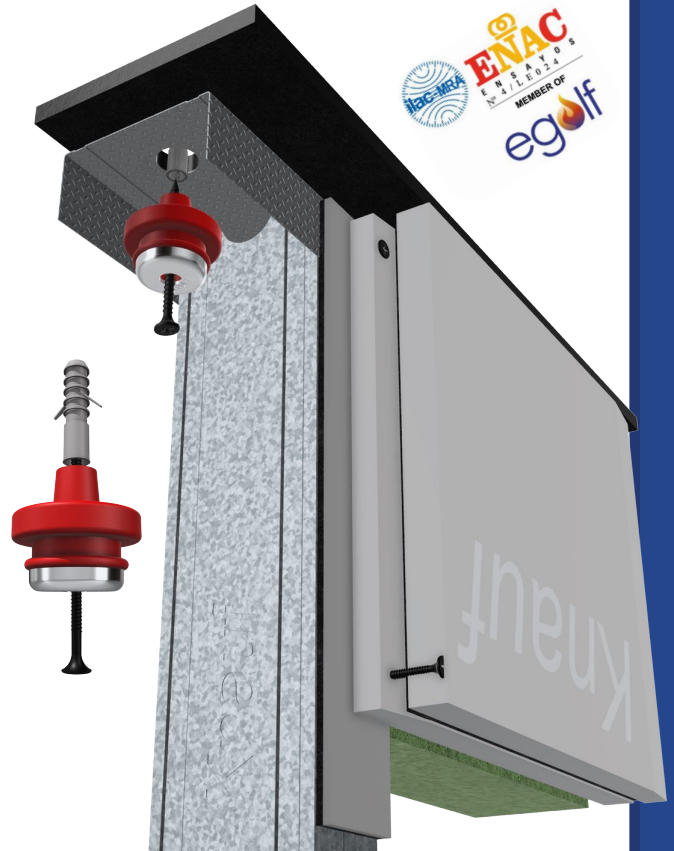
Safety, efficiency, performance and easy installation.

TAV-500/11 R is designed to reduce noise and provide additional acoustic protection in a specific area without the need for a large economic investment. It is important to mention that its effectiveness will be increased if used in conjunction with **SENROR's BEC** type acoustic strips.



LABORATORY TEST

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RECOMMENDED FOR ALL TYPES OF PROFILES:

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

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



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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-M758 MRA

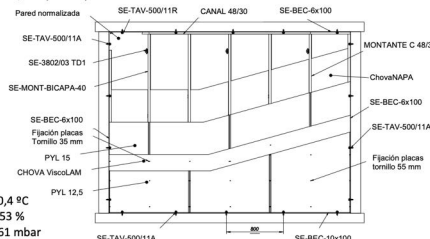
Fecha Ensayo: 23/10/2020

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-3802/03 TD1; CHOVANAPA; CHOVA VISCOLAM.

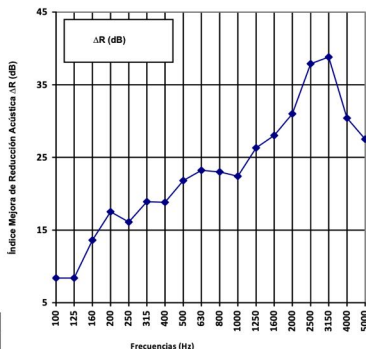
Pared pesada normalizada: Fábrica de bloque de hormigón macizado revestida (300 kg/m²), ensayada el 19/10/2020 (R_{base})

Masa superficial estimada: 25 kg/m²
Área muestra: 10,08 m²
Volumen sala emisora: 65,3 m³
Volumen sala receptora: 55,2 m³

T cámaras: 20,4 °C
HR cámaras: 53 %
P cámaras: 961 mbar



f (Hz)	R _{con} (dB)	R _{sin} (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 _w (C; C _{tr}) _{base} : 65(-2;-7) dB	R _w (C; C _{tr}) _{sin} : 48(-2;-5) dB
R _{A,con} : 64,1 dBA	R _{A,sin} : 47,1 dBA
R _{A,tr,con} : 57,8 dBA	R _{A,tr,sin} : 42,9 dBA

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

ΔR_{w,pedido} = 17 dB / Δ(R_w+C)_{pedido} = 16 dBA / Δ(R_w+C_{tr})_{pedido} = 15 dBA

Δ(R_w+C₁₀₀₋₅₀₀₀)_{pedido} = 16 dBA / Δ(R_w+C_{tr,100-5000})_{pedido} = 15 dBA

Evaluación basada en medidas de laboratorio mediante método de ingeniería

* R_w y ΔR ≥ valor indicado (límite medido por aprox. ruido de fondo y R_{w,base}); R_{w,base} 2500 Hz = 102,4 dB; 3150 Hz = 101,2 dB.

R_w y ΔR ≥ valor indicado (límite medido por aprox. R_{w,base}); R_{w,base} 4000 Hz = 96,9 dB; 5000 Hz = 94,1 dB.



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Aislamiento a Ruido Aéreo según UNE-EN ISO 10140-2:2011

Medidas en Laboratorio

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

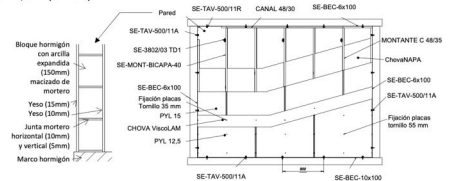
Nº Resultado: B2020-122-M758 RA

Fecha Ensayo: 23/10/2020

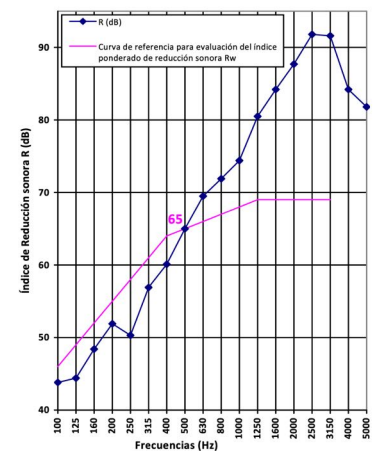
Muestra: TRASDOSADO AUTO-PORTANTE ACÚSTICO (SEÑOR + CHOVA): SE-BEC-6X100; SE-TAV-500/11A; SE-TAV-500/11R; SE-BEC-10X100; SE-MONT-BICAPA-40; SE-3802/03 TD1; CHOVANAPA; CHOVA VISCOLAM, SOBRE PARED DE BLOQUE REVESTIDA.

Masa superficial estimada: 325 kg/m²
Área muestra: 10,08 m²
Volumen sala emisora: 65,3 m³
Volumen sala receptora: 55,2 m³

T cámaras: 20,4 °C
HR cámaras: 53 %
P cámaras: 961 mbar



f (Hz)	R (dB)
100	43,8
125	44,4
160	48,4
200	51,9
250	50,3
315	56,9
400	60,1
500	65,0
630	69,5
800	71,9
1000	74,4
1250	80,5
1600	84,2
2000	87,7
2500	91,8
3150	91,6
4000	84,2
5000	81,8



Índices según UNE-EN ISO 717-1:2013: R_w(C;C_{tr}): 65 (-2;-7) dB

Índices según CTE DB-HR:

R_A: 64,1 dBA

R_{A,tr}: 57,8 dBA

Evaluación basada en resultados medidos en laboratorio obtenidos mediante un método de ingeniería

* R_w ≥ valor indicado (límite medido por aprox. ruido de fondo y R_{w,base}); R_{w,base} 2500 Hz = 102,4 dB; 3150 Hz = 101,2 dB.

R_w ≥ valor indicado (límite medido por aprox. R_{w,base}); R_{w,base} 4000 Hz = 96,9 dB; 5000 Hz = 94,1 dB.



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LABORATORY ISOLATION MEASUREMENTS

- (A) EN 1363-1:2020 "Fire resistance tests"
- (B) EN 1364-1:2015 "Fire resistance tests for non-load bearing elements"
- (C) EN 13501-2:2016 "Fire classification of construction products and building elements"

REPORT No: 086146-001-2



CLASSIFICATION AND FIELD OF APPLICATION

This classification has been made in accordance with (C) Chapter 7. According to (C), the tested and exposed sample on the side of the panels is classified as follows:

EI	15	20	30	45	60	90	120
E							120



Download link to view the full report:

REPORT N°: 086146-001-1:
<https://senor.es/wp-content/uploads/2023/06/Ensayo-resistencia-al-fuego-4800-TDM.pdf>

REPORT N°: 086146-001-2:
<https://senor.es/wp-content/uploads/2023/06/Ensayo-clasificacion-al-fuego-4800-TDM.pdf>

Ref.
SE-TAV-500/11 R

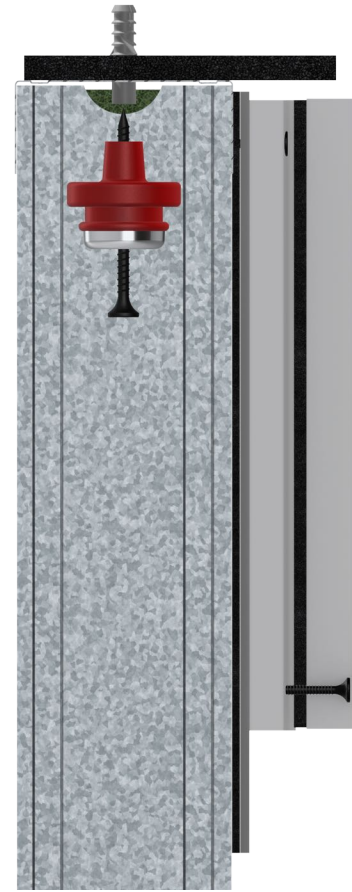
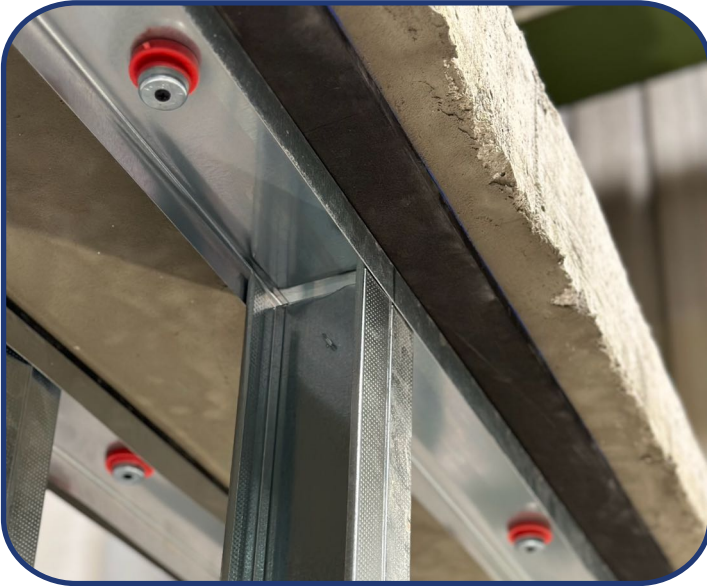


FIRE

CONCLUSIONS

TAV-500/11 R is an essential product for the reduction of all solid-borne noise pollution.

After analysing the results, we see that the acoustic improvement of the system has been: **Rw 16 dBA**. Reaching indexes in compliance with CTE DB-HR: **RA 64.1 dBA**.




SENOR CERTIFIES

TAV-500/11 R of the construction range for acoustic connection of **ACOUSTIC** walls or **ACOUSTIC** partition walls inside buildings have a product life of 30 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 R 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.

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.

Gerente/Managing Director/a:
 Carmen López Iglesias



Bureau Veritas Certification



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:

DISEÑO, 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
Auditoria 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

