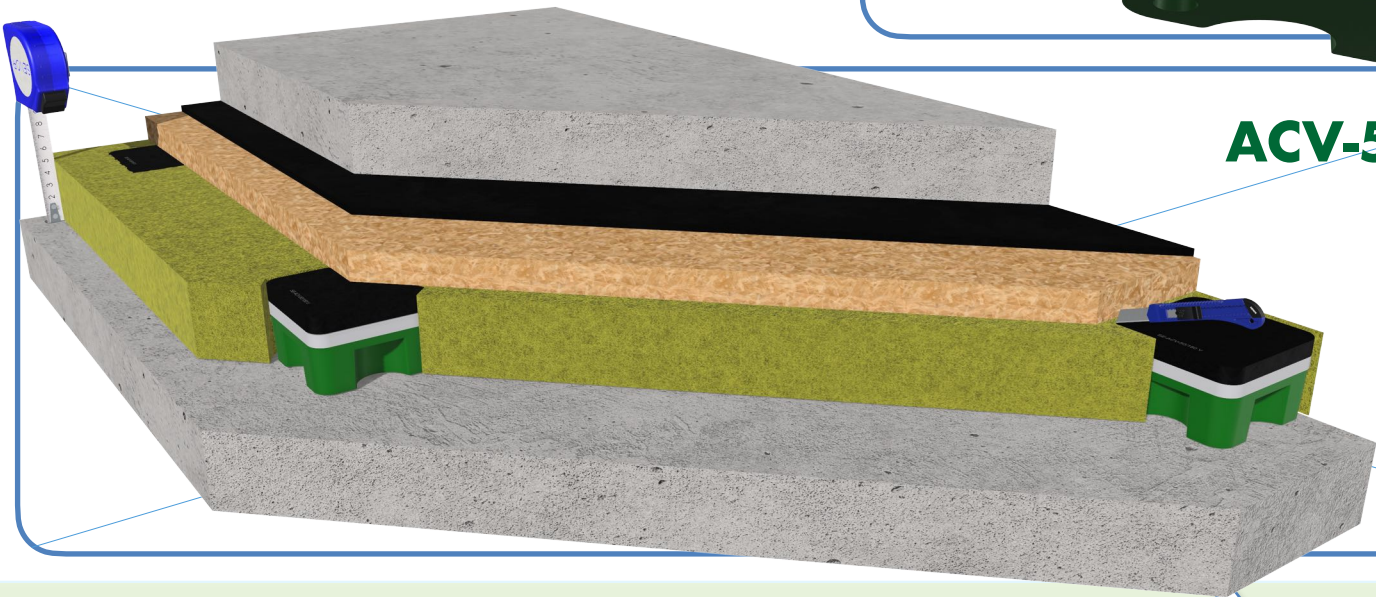
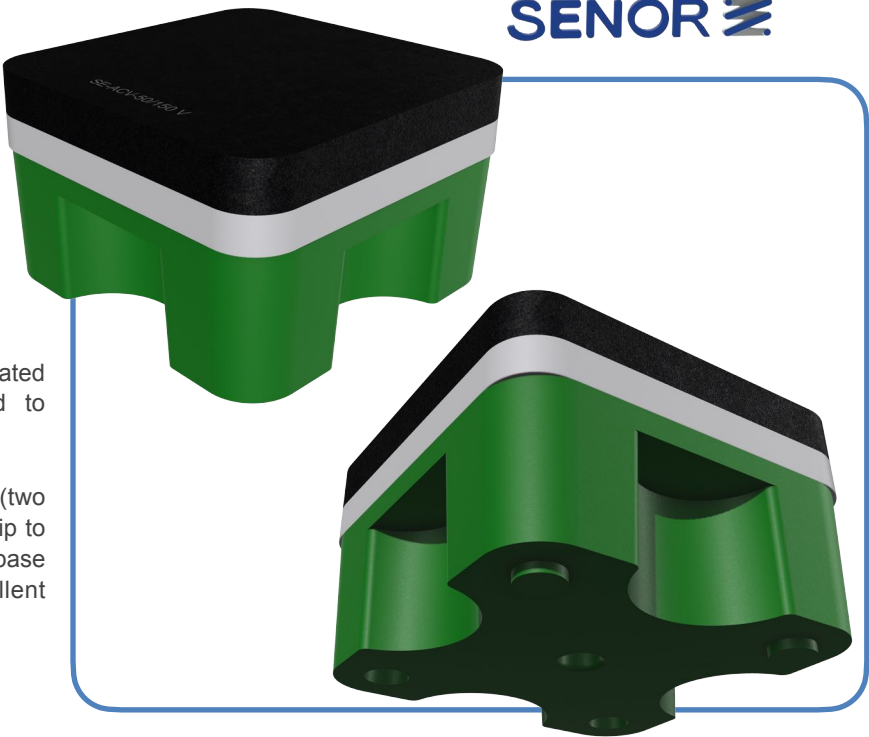


ACV-50/150 V

RUBBER MOUNT WITH RESTRAINT SYSTEM FOR ACOUSTIC FLOORS OR INERTIA BASES

It is a high-performance **RUBBER** damper, with a unique and updated design. Manufactured using advanced technology and designed to eliminate all structure-borne noise.

The **SE-ACV-50/150V** includes a **PATENTED** restraint system (two protrusions in its base) which limits the movement making sure the grip to the floor. It is designed in the shape of trapezium with X shaped base improving the elasticity of the system and proving an excellent performance in the soundproofing field.



ACV-50/150 V

Recommended USE: Fourth-generation rubber damper recommended for technical floors under concrete slabs. Its new composition offers a higher damping factor than standard polymers (polyurethane, polystyrene, EPDM, among others).

REF.	COLOUR	THICKNESS (mm)	USE	LOAD(Kg) MIN-MAX	PACKING (Uds)
SE-ACV-50/150 V		50	Acoustic Floors	35 - 200	30

I+D+i

*This product has been registered in the Spanish Patents and Trademarks Office

✓ Resonance frequency: 7-15 Hz.

✓ Recommended load range: 35Kg - 200Kg.

Ref. SE-ACV-50/150 V



Departamento de Planificación Territorial,
Vivienda y Transportes
Dirección de Vivienda, Suelo y Arquitectura
Laboratorio de Control de la calidad en la Edificación
Área acústica



Laboratory test UNE-EN ISO 10846-1:2009

Reducción del nivel de presión acústica de impactos de un revestimiento
sobre suelo de referencia pesado, según UNE-EN ISO 10140-1:2022-Anexo H.
Medidas en Laboratorio según UNE-EN ISO 10140-3:2022

CLIENTE: SUSPENSIONES ELÁSTICAS DEL NORTE, S.L. (SENOR)

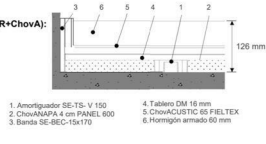
FECHA ENSAYO: 15/06/2022

RESULTADO Nº: B2022-176-M898 MRI

MUESTRA: SUELO ACÚSTICO DE HORMIGÓN (SENOR+ChovA):

- Amortiguador SE-TS-V 150 (SENOR)
- ChovANAPA 4 cm PANEL 600 (ChovA)
- Banda acústica SE-BEC-15x170 (SENOR)
- Tablero DM 16 mm
- ChovACUSTIC 65 FIELTEX (ChovA)
- Hormigón armado 60 mm

Masa superficial estimada muestra: 170 kg/m²
Área, S, muestra: 13,86 m² (3,3x4,2m)



1. Amortiguador SE-TS-V 150
2. ChovANAPA 4 cm PANEL 600
3. Banda SE-BEC-15x170
4. Tablero DM 16 mm
5. ChovACUSTIC 65 FIELTEX
6. Hormigón armado 60 mm

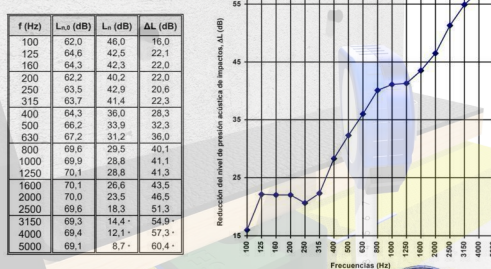
Suelo de referencia pesado: Losa de hormigón armado de 150
mm (375 kg/m²), ensayado el 4 mayo 2022 (L_{ref}).

V_{ref}: 54,6 m³; T_{ref}: 21,3 °C; H_{ref}: 70 %; P_{ref}: 960 mbar

V_{ref}: 64,7 m³; T_{ref}: 20,3 °C; H_{ref}: 74 %; P_{ref}: 960 mbar

Tiempo superior superior: 21,6 °C

V: volumen; em: sala emisora; rec: sala receptora



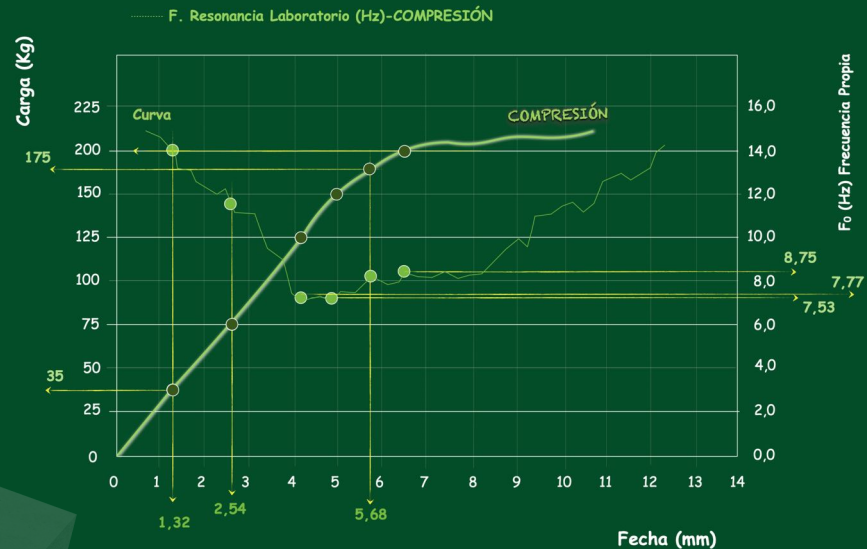
Evaluación según UNE-EN ISO 717-2:2021: ΔL_w (C₁): 37 (-11) dB
L_{ref}: 76 dB; L_w: 36 dB; L_{ref}: 41 dB; C₁: 0 dB

* L_w 5 valor indicado (límite medido por aprox. ruido de fondo); ΔL: 2 valor indicado.

Estos resultados se basan en ensayos realizados con una fuente artificial bajo condiciones de laboratorio (método de ingeniería)



GRAFICO CARGA FLECHA ESTÁTICO



Axial compression results

LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROFING LEVEL (%)	
35	1,32	14,00	25	50	54,31	91,49
75	2,54	11,85	25	50	71,02	94,05
125	4,13	7,77	25	50	89,31	97,53
150	4,93	7,53	25	50	90,02	97,68
175	5,68	8,25	25	50	87,78	97,20
200	6,47	8,75	25	50	86,04	96,84



Data sheet

TC4GPN (GP/FG Series)

THERMOLAST® K

Product properties

Name TC4GPN

Series GP/FG

Colour / RAL DESIGN Natural

Mechanical properties

Hardness 39 +- 5 ShoreA DIN ISO 7619-1

Density 1,100 g/cm³ DIN EN ISO 1183-1

Tensile strength¹ 6,5 MPa DIN 53504/ISO 37

Elongation at break¹ 800 % DIN 53504/ISO 37

Tear resistance 14,0 N/mm ISO 34-1 Methode B (b)(Graves)

CS 72 h/23 °C 12 % DIN ISO 815-1 Method A

CS 24 h/70 °C 23 % DIN ISO 815-1 Method A

CS 24 h/100 °C 59 % DIN ISO 815-1 Method A

¹ Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.

All values published in this data sheet are rounded average values.

Ref. **SE-ACV-50/150 V**

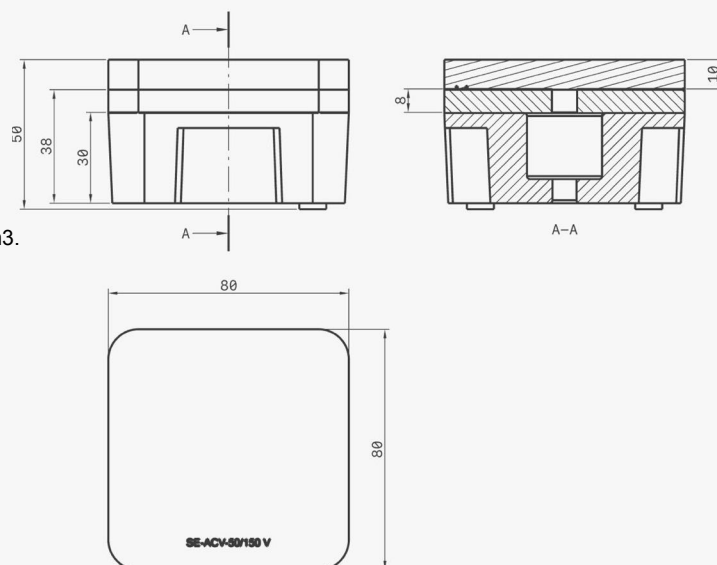
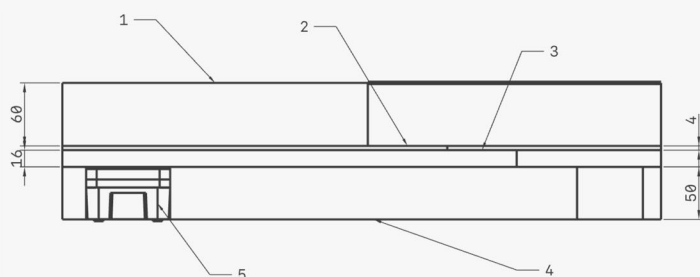
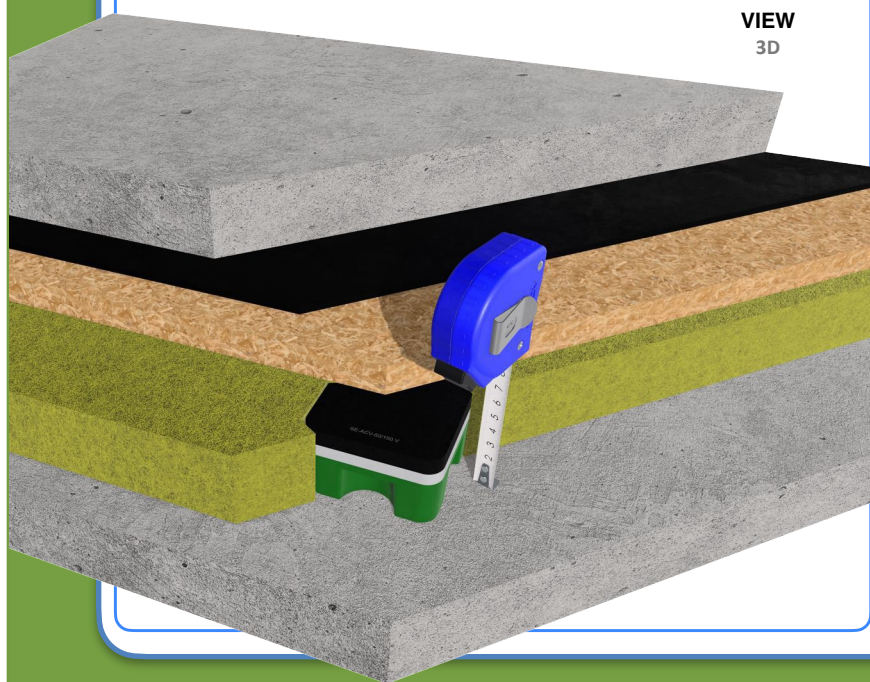
1º- Concrete slab HA-20 15x15x10 with a thickness of 6 cm.
Density: > 2450 kg/m³

2º- ViscoLAM-65 (acoustic membrane) with a thickness of 4 mm.
Density: <1650 kg/m³.

3º- MDF board with a thickness of 19mm. Density: > 650 kg/m³.

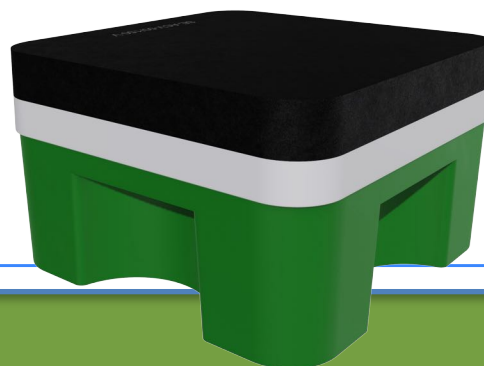
4º- Mineral wool (Arena APTA) with a thickness of 30 mm. Density: < 30 kg/m³.

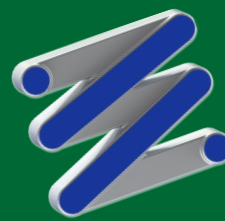
5º- ACV-50/150 V

VIEW
3D**MATERIALS**

It features a THREE-LAYER structure consisting of:

- Polymer: **KRAIBURG-TPE - TC4/GPN** (Testing method according to standard **UNE-EN ISO 10846-1:2009**).
- Intermediate alloy reinforcement: **ZAMAK-5**, a combination of zinc, aluminum, magnesium, and copper
- Strip: **EPDM CR-140**, a highly elastic and highly durable synthetic rubber

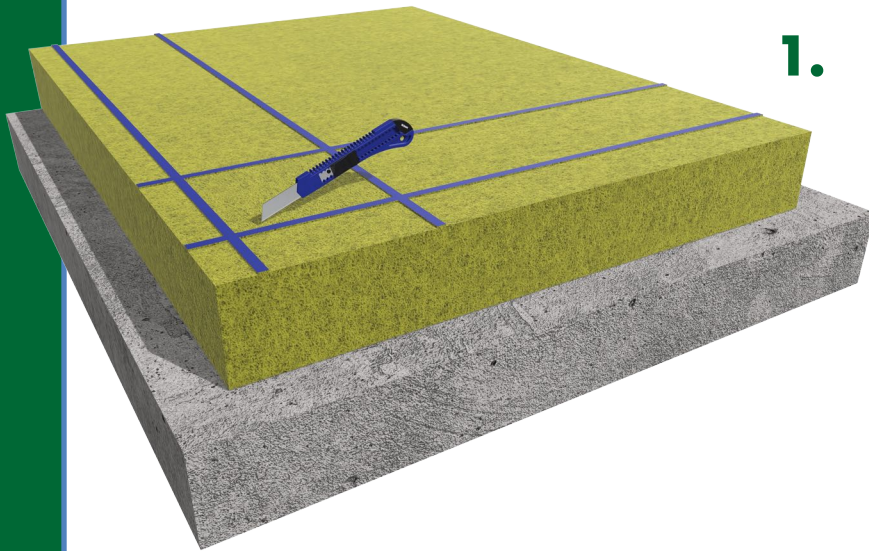




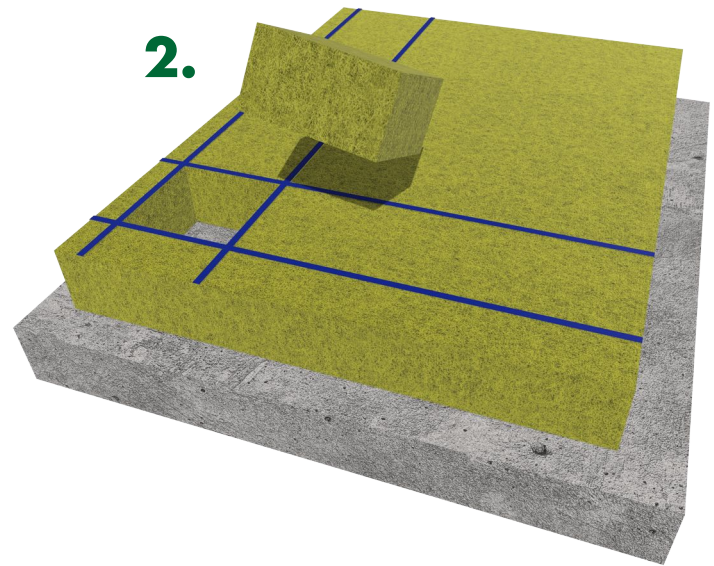
Ref. SE-ACV-50/150 V

Application mode

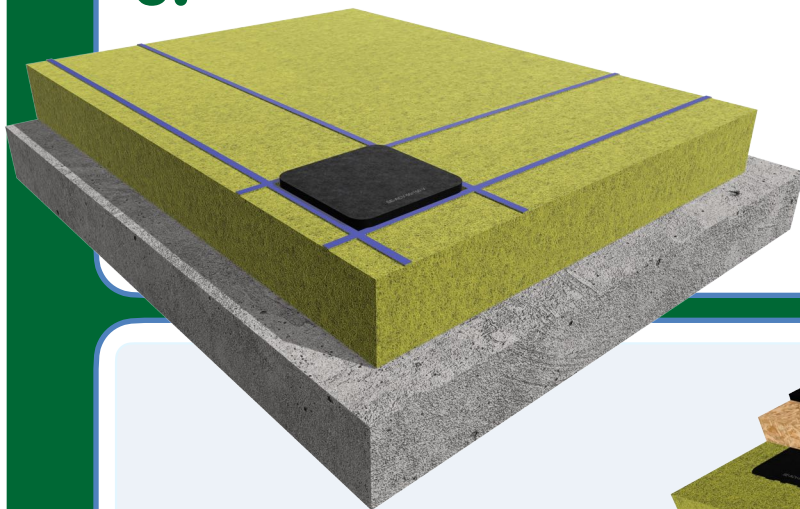
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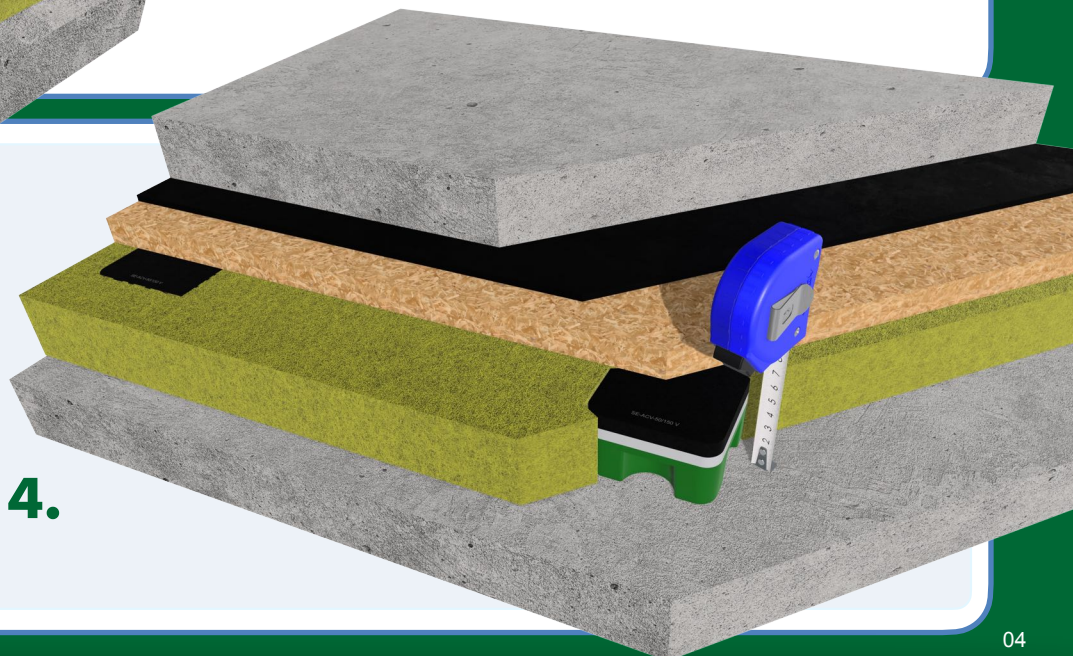
2.



3.



4.

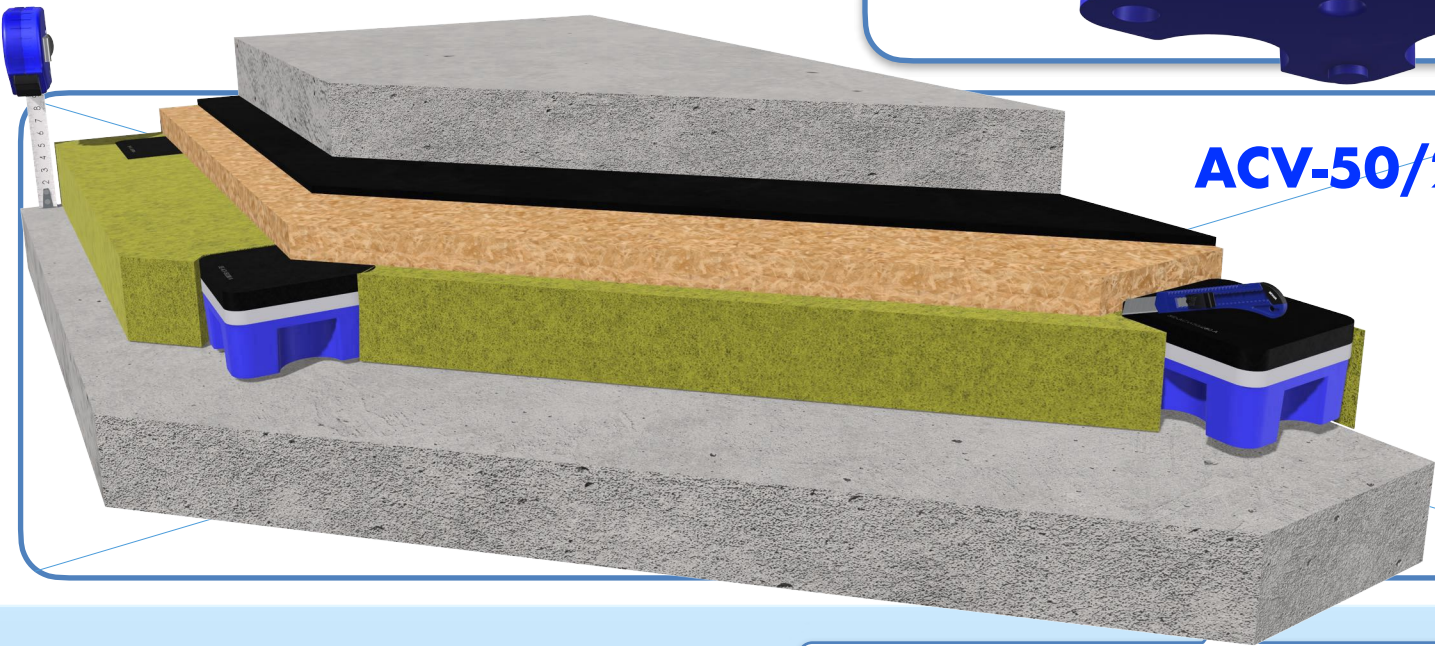
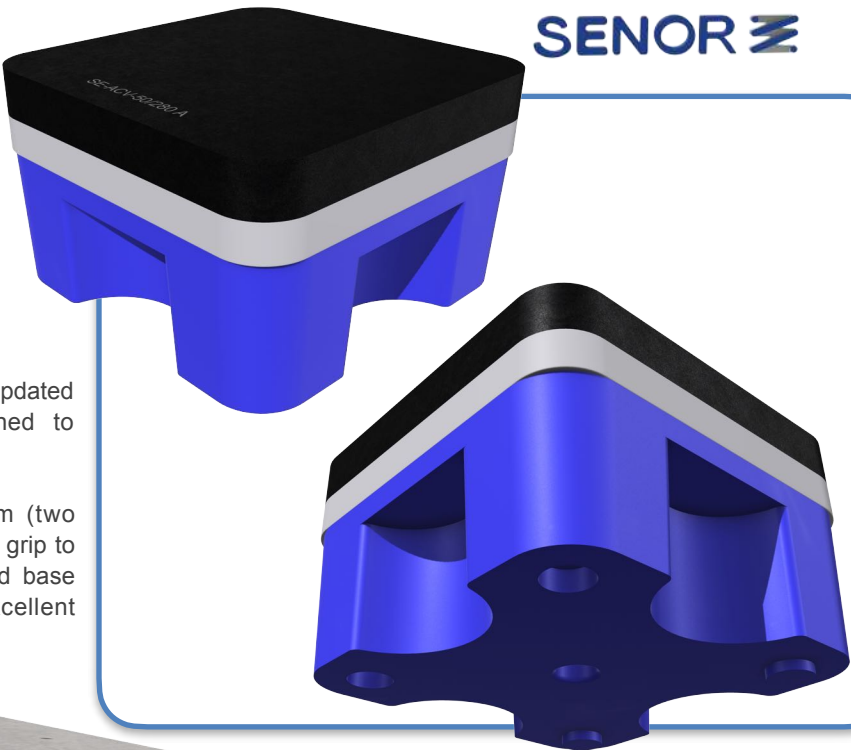


ACV-50/280 A

RUBBER MOUNT WITH RESTRAINT SYSTEM FOR ACOUSTIC FLOORS OR INERTIA BASES

It is a high-performance **RUBBER** damper, with a unique and updated design. Manufactured using advanced technology and designed to eliminate all structure-borne noise.

The **SE-ACV-50/280A** includes a **PATENTED** restraint system (two protrusions in its base) which limits the movement making sure the grip to the floor. It is designed in the shape of trapezium with X shaped base improving the elasticity of the system and proving an excellent performance in the soundproofing field.



ACV-50/280 A

Recommended USE: Fourth-generation rubber damper recommended for technical floors under concrete slabs. Its new composition offers a higher damping factor than standard polymers (polyurethane, polystyrene, EPDM, among others).

REF	COLOUR	THICKNESS (mm)	USE	LOAD (Kg) MIN-MAX	PACKING (Uds)
SE-ACV-50/280 A		50	Acoustic Floors	150 - 280	30



*This product has been registered in the Spanish Patents and Trademarks Office

✓ Resonance frequency: 7-15 Hz.

✓ Recommended load range: 150Kg - 280Kg.

Ref. SE-ACV-50/280 A

Predicción del aislamiento acústico (v9.0.23)

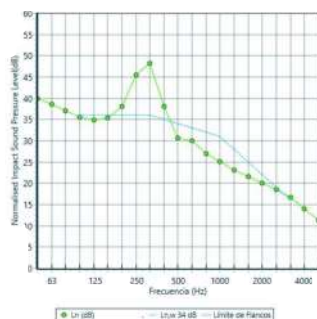
Program copyright Marshall Day Acoustics 2017
Margin of error is generally within ± 5 dB
Rev No: 0719
Job Name:
Job No:
Date: 27/07/2022
File Name: ensayo a ruido de IMPACTO.al

Initial:ingen



Notes:

frec. (Hz)	Ln(dB)	Ln(dB)
50	40	
63	39	43
80	37	
100	36	
125	35	40
160	35	
200	38	
250	46	50
315	48	
400	38	
500	31	39
630	30	
800	27	
1000	25	30
1250	23	
1600	22	
2000	20	25
2500	19	
3150	17	
4000	14	19
5000	11	



Ln,w 34 dB

Laboratory test UNE-EN ISO 10846-1:2009

GRÁFICO CARGA FLECHA ESTÁTICO



Axial compression results

LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROFING LEVEL (%)	
150	2,71	9,82	25	50	81,76	95,99
175	3,10	8,75	25	50	86,04	96,84
200	3,44	7,41	25	50	90,37	97,75
225	3,92	8,02	25	50	88,53	97,36
250	4,62	8,25	25	50	87,78	97,20
280	5,50	8,90	25	50	85,49	96,73

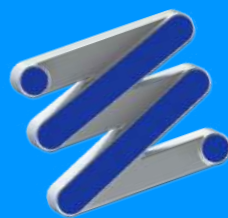


Hoja de datos

TC5EXN		THERMOLAST® K	
Propiedades del producto			
Nombre del compuesto	TC5EXN		
Color / RAL DESIGN	Natural		
Método de procesamiento	Extrusion, Injection Molding		
Propiedades mecánicas			
Dureza	45 ShoreA	DIN ISO 7619-1	
Densidad	1.178 g/cm3	DIN EN ISO 1183-1	
Resistencia a la tracción ¹	6.3 MPa	DIN 53504/ISO 37	
Elongación hasta la rotura ¹	825 %	DIN 53504/ISO 37	

¹ Desvirtuados de la norma ISO 37, la pieza de prueba S2 se prueba a una velocidad transversal de 200 mm/min.

Todos los valores publicados en esta hoja de datos son valores de promedio redondeados Limites



Ref. SE-ACV-50/280 A

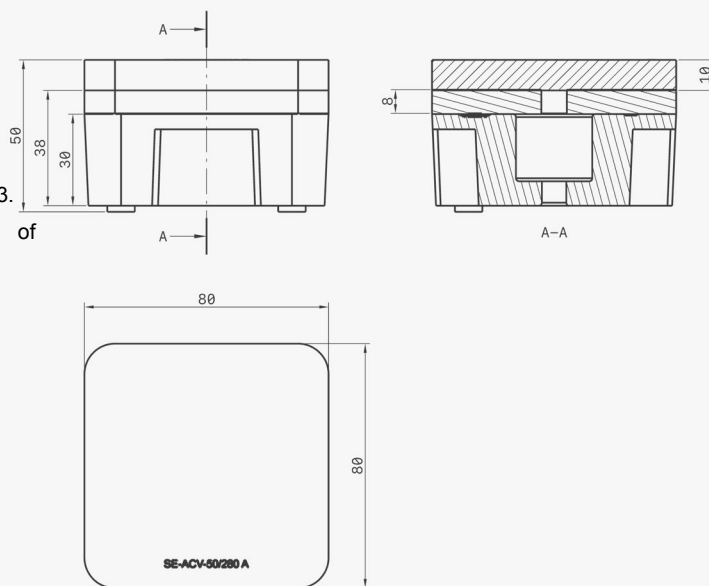
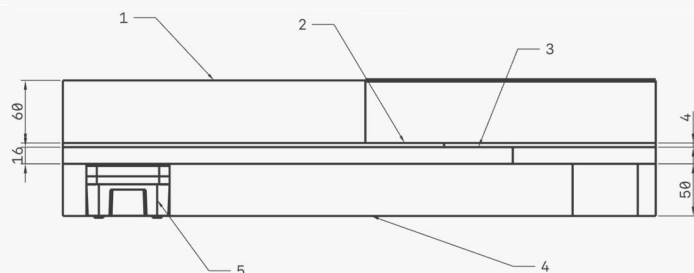
1°- Concrete slab HA-20 15x15x10 with a thickness of 6 cm.
Density: > 2450 kg/m³

2°- ViscoLAM-65 (acoustic membrane) with a thickness of 4 mm.
Density: <1650 kg/m³.

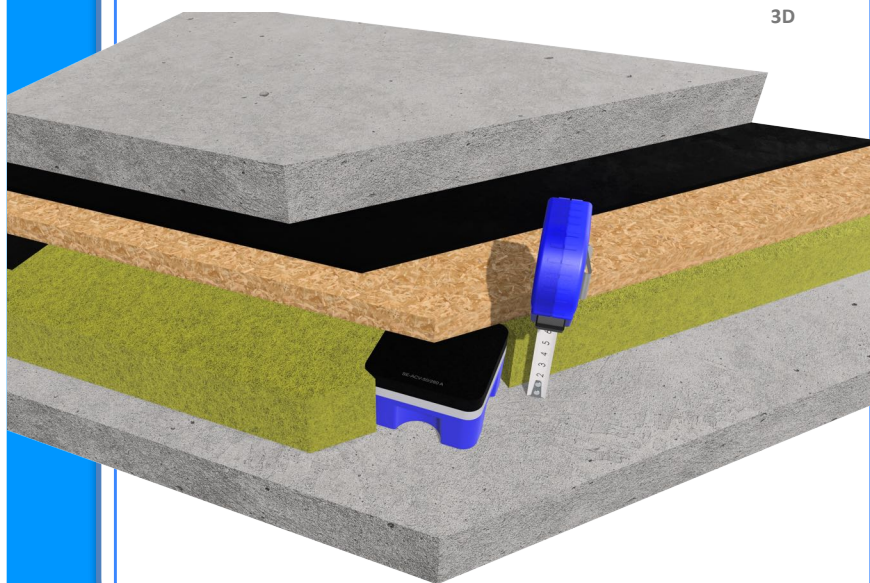
3°- MDF board with a thickness of 19mm. Density: > 650 kg/m³.

4°- Mineral wool (Arena APTA) with a thickness of 30 mm. Density: < 30 kg/m³.

5°- ACV-50/280 A



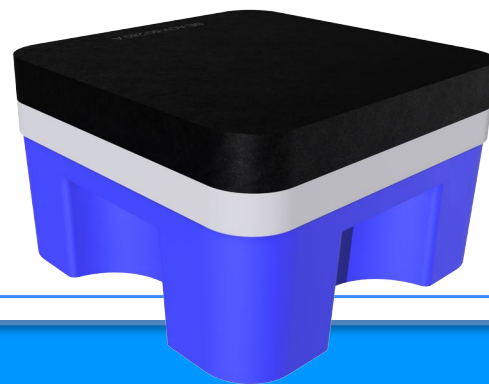
VIEW
3D

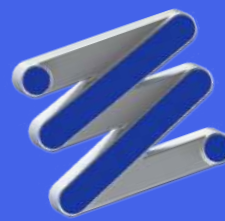


MATERIALS

It features a THREE-LAYER structure consisting of:

- Polymer: **KRAIBURG-TPE - TC4/GPN** (Testing method according to standard **UNE-EN ISO 10846-1:2009**).
- Intermediate alloy reinforcement: **ZAMAK-5**, a combination of zinc, aluminum, magnesium, and copper
- Strip: **EPDM CR-140**, a highly elastic and highly durable synthetic rubber

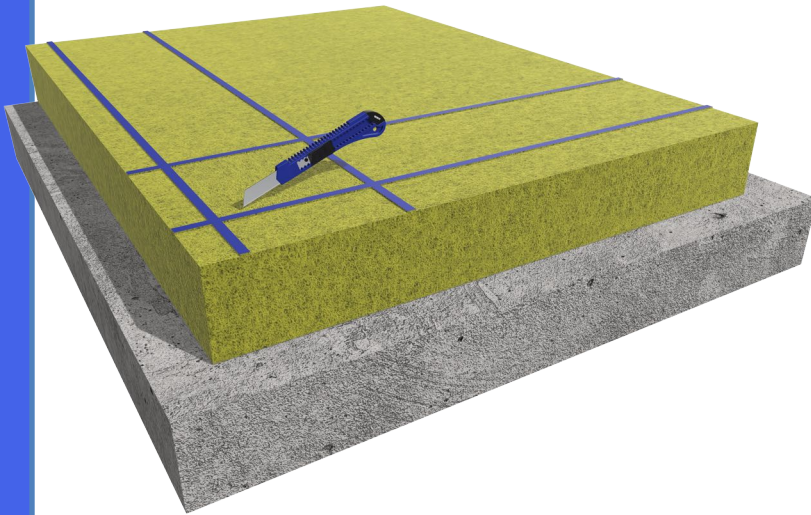




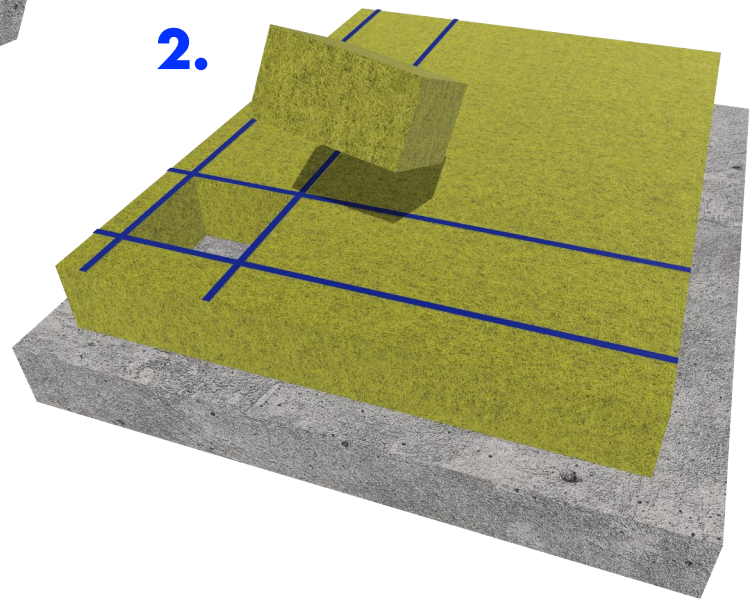
Ref. SE-ACV-50/280 A

Application mode

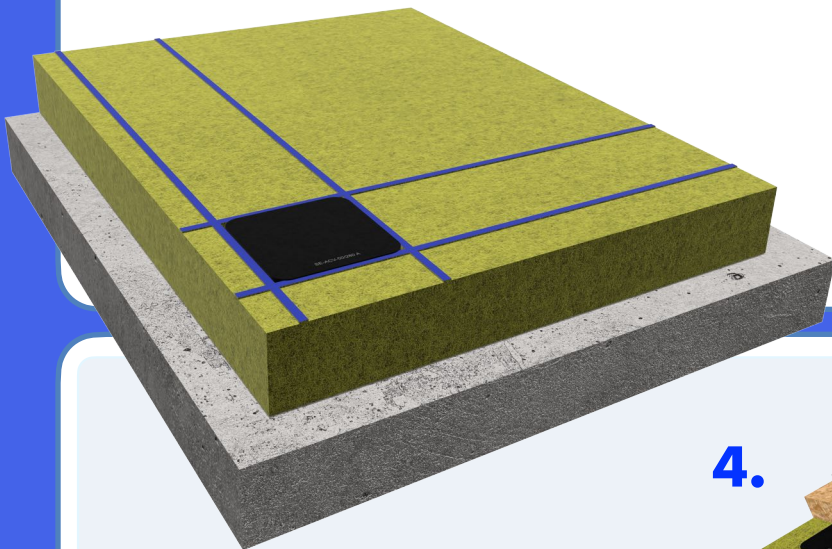
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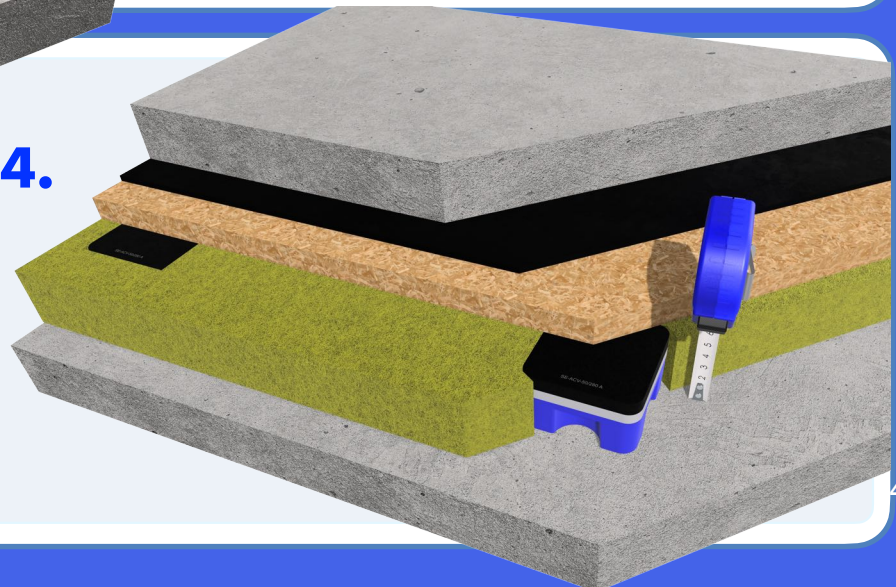
2.



3.



4.

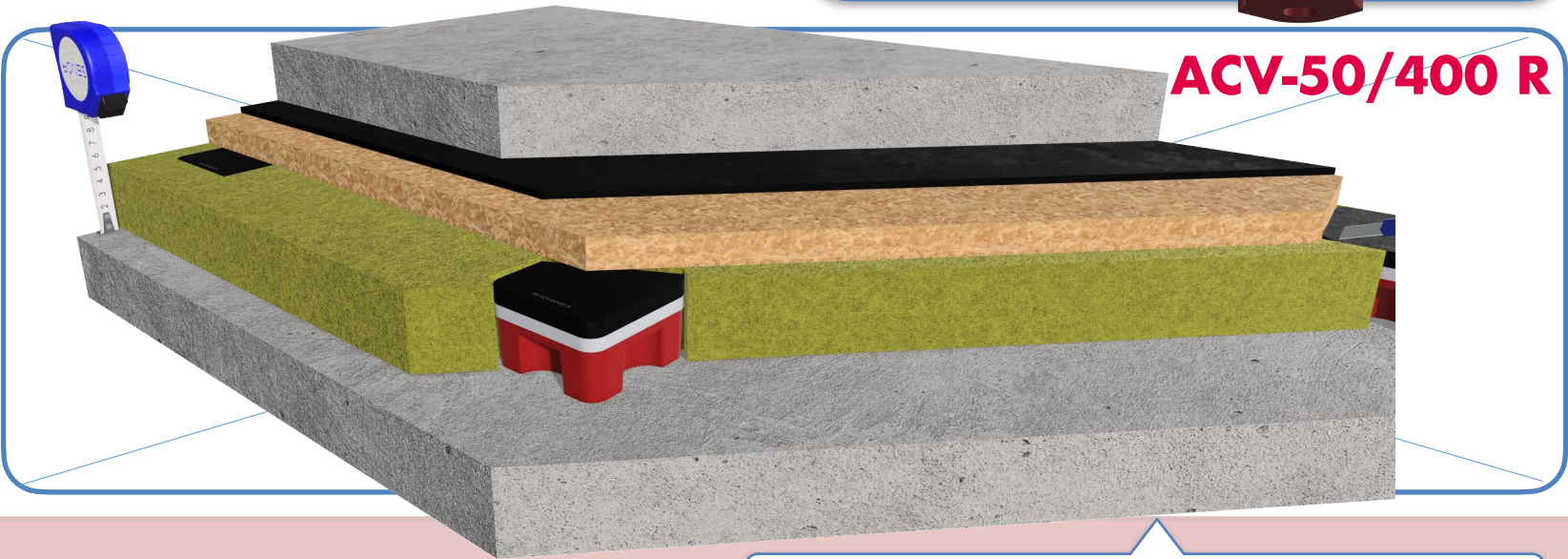
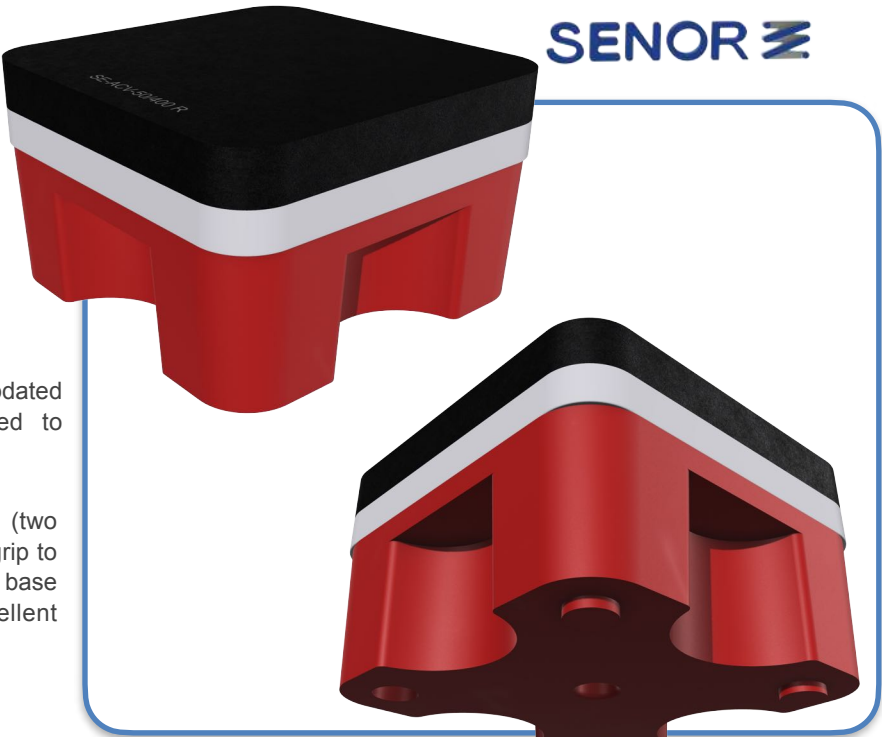


ACV-50/400 R

RUBBER MOUNT WITH RESTRAINT SYSTEM FOR ACOUSTIC FLOORS OR INERTIA BASES

It is a high-performance **RUBBER** damper, with a unique and updated design. Manufactured using advanced technology and designed to eliminate all structure-borne noise.

The **SE-ACV-50/400R** includes a **PATENTED** restraint system (two protrusions in its base) which limits the movement making sure the grip to the floor. It is designed in the shape of trapezium with X shaped base improving the elasticity of the system and proving an excellent performance in the soundproofing field.



Recommended USE: Fourth-generation rubber damper recommended for technical floors under concrete slabs. Its new composition offers a higher damping factor than standard polymers (polyurethane, polystyrene, EPDM, among others).

REF	COLOUR	THICKNESS (mm)	USE	LOAD (Kg) MIN-MAX	PACKING (Uds)
SE-ACV-50/400 R		50	Suelos Acústicos	270 - 400	30

I+D+i

*This product has been registered in the Spanish Patents and Trademarks Office

✓ Resonance frequency: **7-15 Hz.**

✓ Recommended load range: **270Kg - 400Kg.**

Ref. SE-ACV-50/400 R

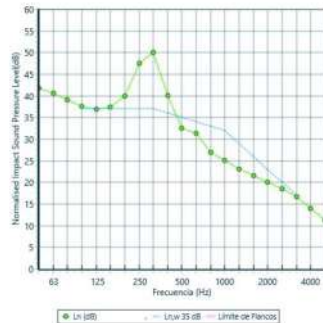
Predicción del aislamiento acústico (v9.0.23)

Program copyright Marshall Day Acoustics 2017
Margin of error is generally within ± 5 dB
Job No. 6719
Date: 27/07/2022
File Name: ensayo a ruido de IMPACTO.xls



Notas:

frec. (Hz)	Ln(dB)	Ln(dB)
50	42	
63	41	45
80	39	
100	38	
125	37	42
160	37	
200	40	
250	48	52
315	50	
400	40	
500	33	41
630	31	
800	27	
1000	25	30
1250	23	
1600	22	
2000	20	25
2500	19	
3150	17	
4000	14	19
5000	11	

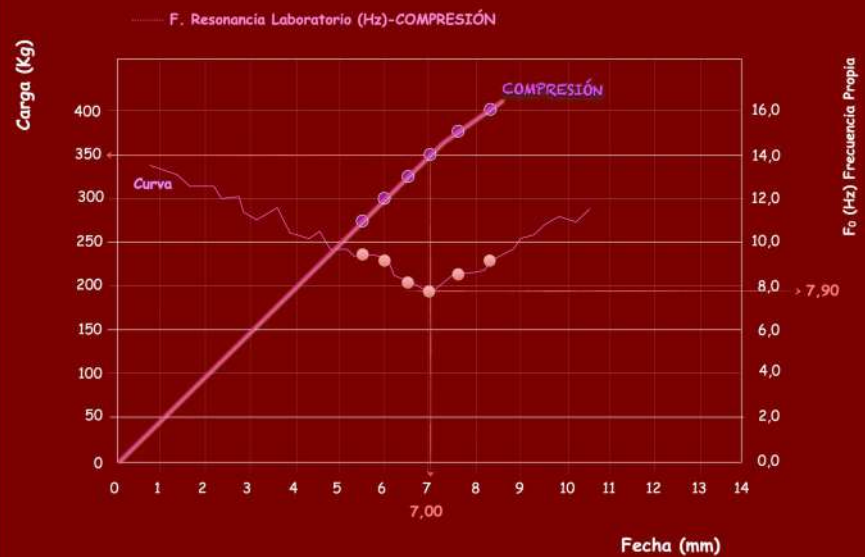


Ln,w 35 dB



Laboratory test UNE-EN ISO 10846-1:2009

GRAFICO CARGA FLECHA ESTÁTICO



Axial compression results

LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROFING LEVEL (%)	
275	5,51	9,50	25	50	83,12	96,25
300	6,02	9,25	25	50	84,14	96,46
325	6,56	8,05	25	50	88,43	97,34
350	7,05	7,90	25	50	88,91	97,44
375	7,56	8,30	25	50	87,61	97,17
400	8,22	9,25	25	50	84,14	96,46



Datasheet

TC6EXN

THERMOLAST® K

Product

Compound TC6EXN

Color / RAL Rojo

Processing Extrusion, Injection

Mechanical

Hardne 58° + 5° Shore A DIN ISO 7619-1

Density 1.190 g/cm³ DIN EN ISO 1183-1

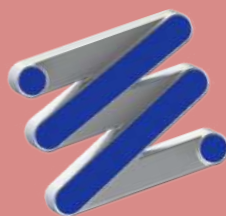
Tensile Strength¹ 7.0 MPa DIN 53504/ISO 37

Elongation at Break¹ 675 % DIN 53504/ISO 37

Tear Resistance 19.0 N/mm ISO 34-1 Methode B (b)

¹ Deviating from ISO 37 standard test piece S2 is tested with a traverse

All values published in this data sheet are rounded average values.



Ref. SE-ACV-50/400 R

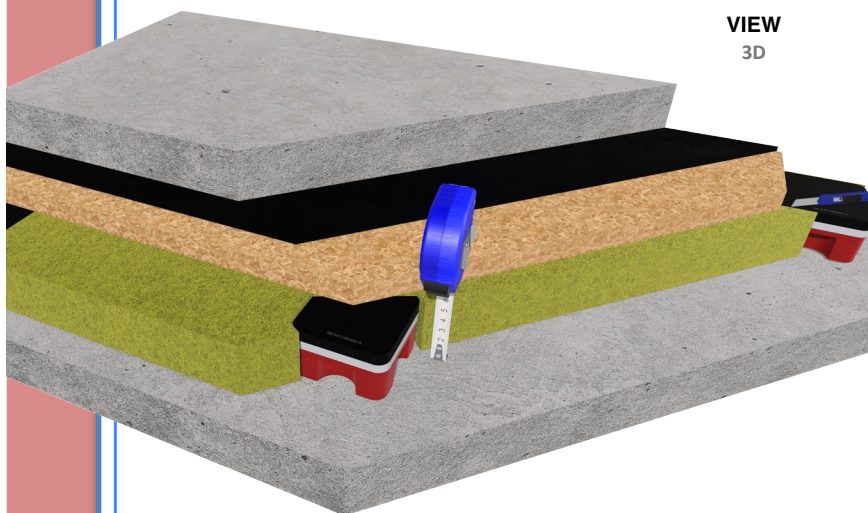
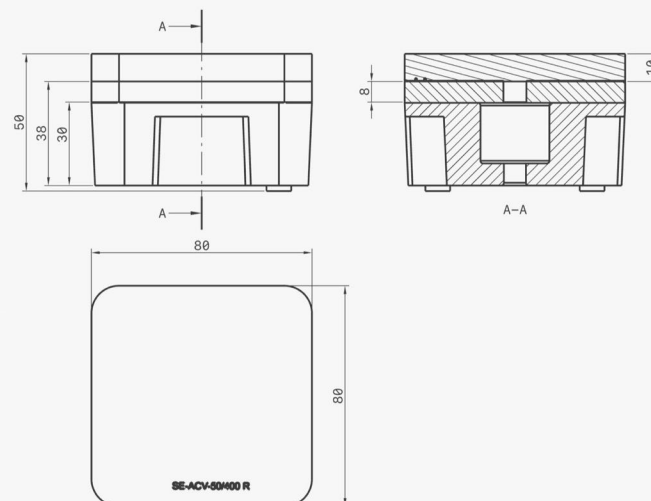
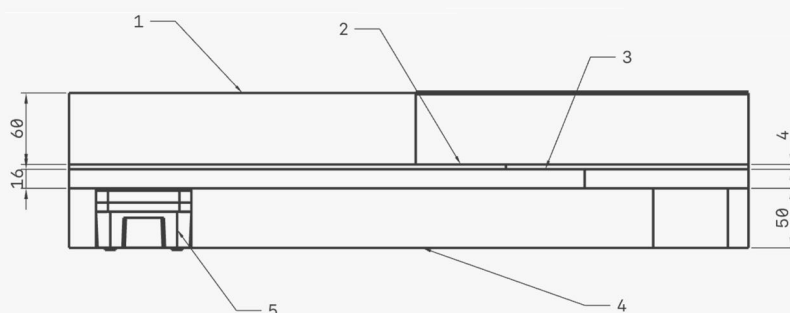
1°- Concrete slab HA-20 15x15x10 with a thickness of 6 cm.
Density: > 2450 kg/m³.

2°- ViscoLAM-65 (acoustic membrane) with a thickness of 4 mm.
Density: < 1650 kg/m³.

3°- MDF board with a thickness of 19mm. Density: > 650 kg/m³.

4°- Mineral wool (Arena APTA) with a thickness of 30 mm. Density: < 30 kg/m³.

5°- ACV-50/400 R

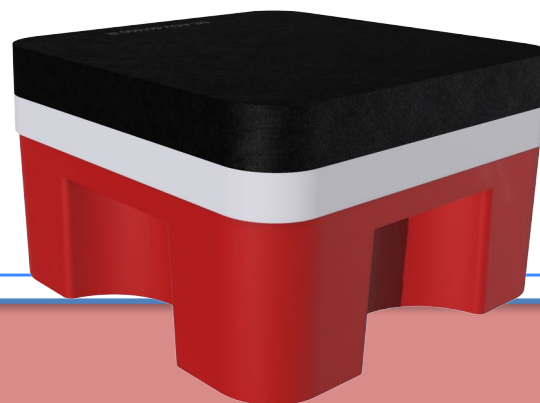


VIEW
3D

MATERIALS

It features a THREE-LAYER structure consisting of:

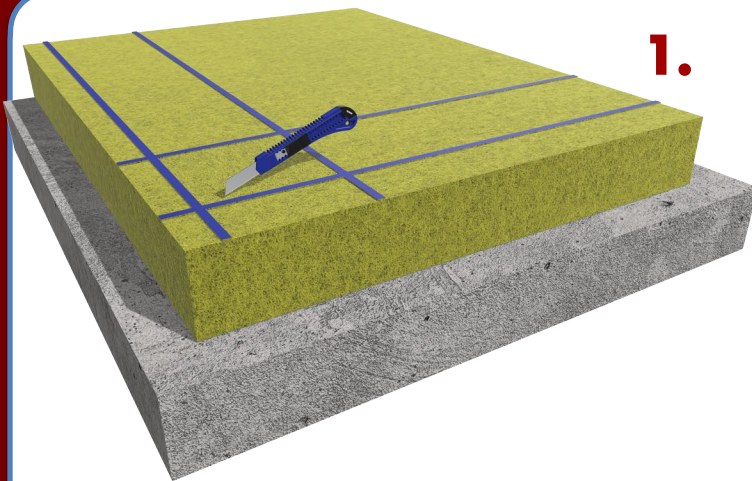
- Polymer: **KRAIBURG-TPE - TC4/GPN** (Testing method according to standard **UNE-EN ISO 10846-1:2009**).
- Intermediate alloy reinforcement: **ZAMAK-5**, a combination of zinc, aluminum, magnesium, and copper
- Strip: **EPDM CR-140**, a highly elastic and highly durable synthetic rubber



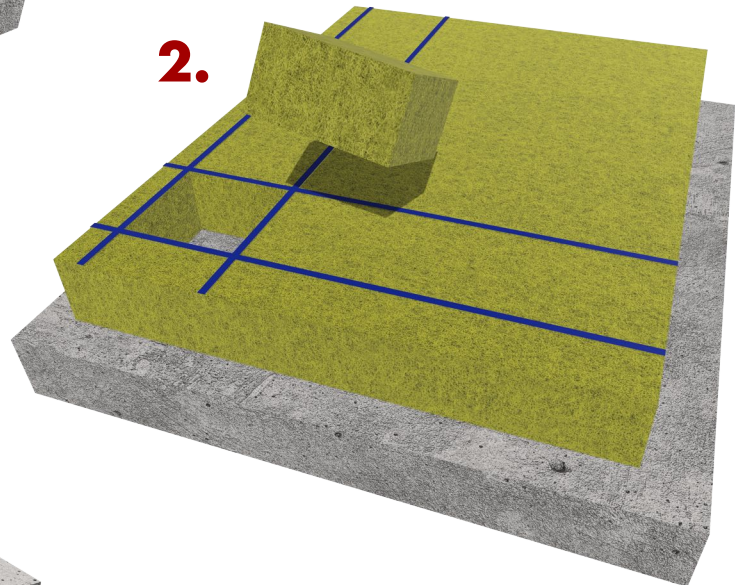
Ref. SE-ACV-50/400 R

Application mode

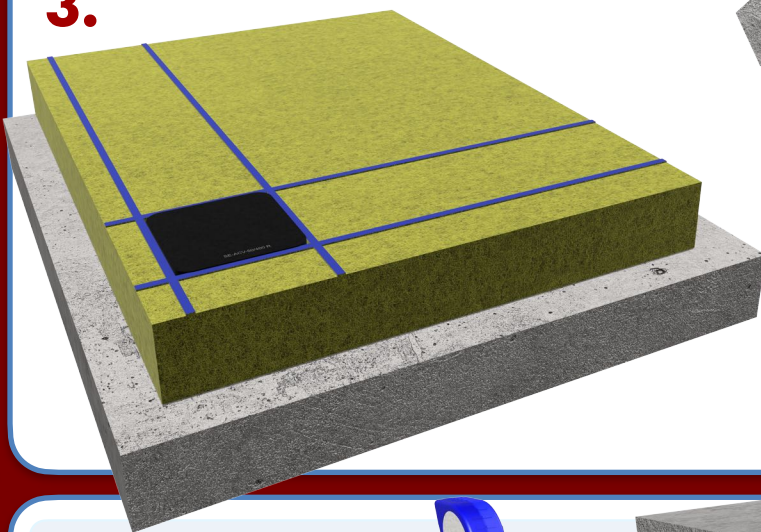
1.



2.



3.



4.

