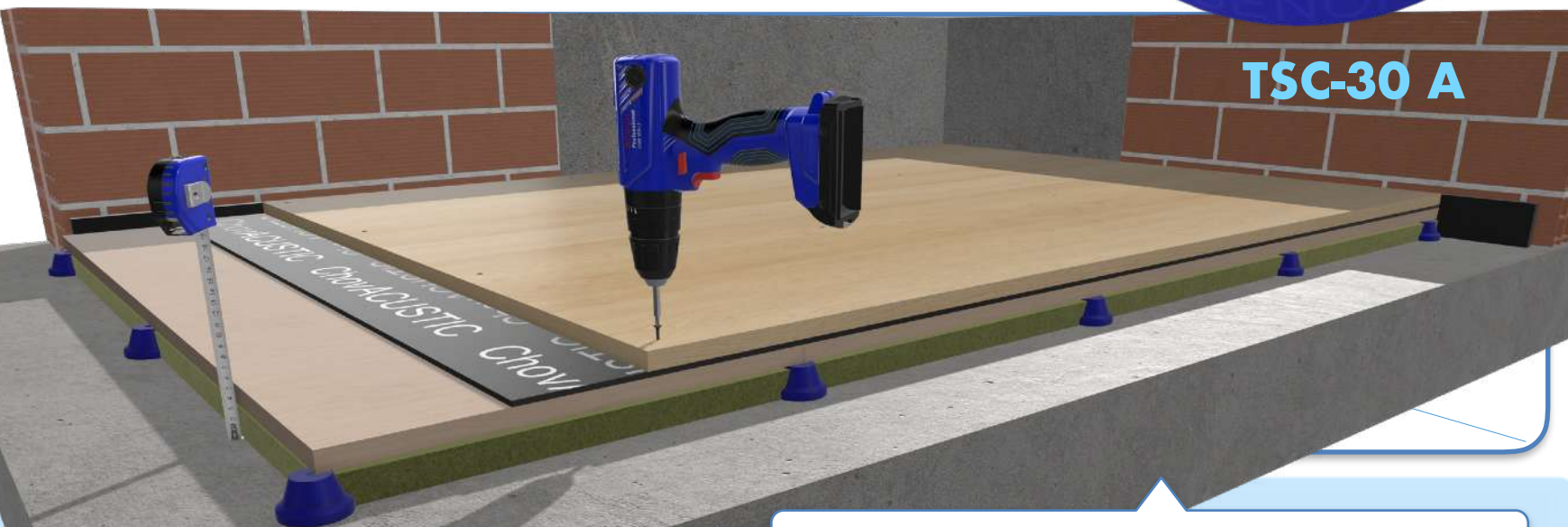


## TSC-30 A

### RUBBER MOUNT WITH RESTRAINT SYSTEM FOR LIGHT WEIGHT ACOUSTIC FLOORS

This model is a **RUBBER** wall mount for acoustic floors devised to provide quality to any given acoustic system and to eradicate sound frequencies and vibrations.

The **SE-TSC-30 A** includes a **PATENTED** restraint system (three rings in its base) acting as a suction pad which limits the movement and make sure the grip to the floor. It is designed in the shape of trapezium improving the elasticity of the system and proving an excellent performance in the soundproofing field.



**Suggested use:** rubber mount for light weight floors with MDF wood boards or similars.

This type of polymer has a better damping result than other rubbers such as polyurethane, polystyrene, EPDM, among others.

REF	COLOUR	THICKNESS (mm)	USES	LOAD (kg) MIN-MAX	PACKING (Units)
SE-TSC-30 A/60		30	Acoustic floors	15 - 40	60

**I+D+i**

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

SCAN ME



#### Quality of the polymer

● Polymer: **KRAIBURG-TPE - TC5/EXN** (tested according to the Standard **UNE-EN ISO 10846-1:2009**).

✓ Resonance frequency: **7-15 Hz**.

✓ Recommended load range: **15 kg - 40 kg**.

# Ref. SE-TSC-30 A



## Predicción de Impacto Sonoro (v8.0.1)

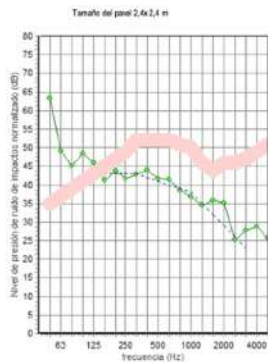
Derechos de autor del programa Marshall Day Acoustics 2014

- Key No. 6719

Margen de error de Predicción de Impacto Sonoro está generalmente entre  $L_{n,w} \pm 5$  dB

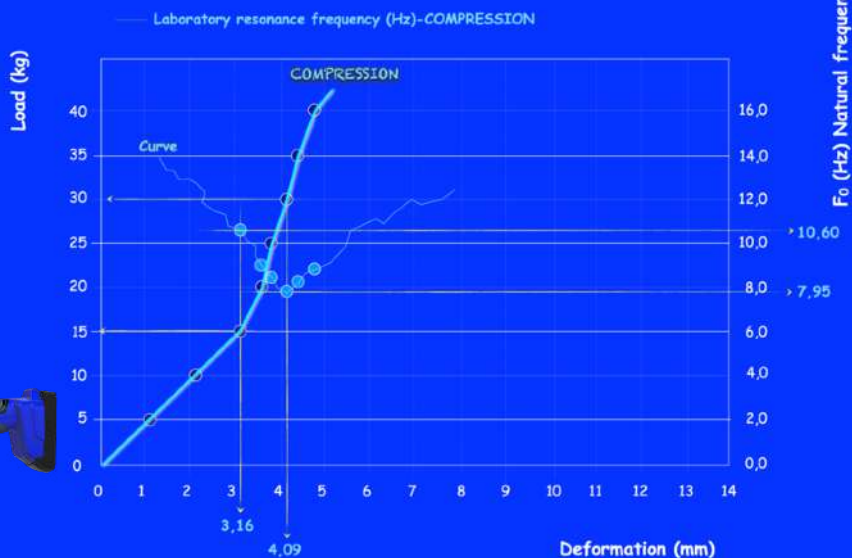


Frecuencia (Hz)	Ln(dB)	L <sub>n</sub> (dB)
50	63	
63	49	63
80	45	
100	48	
125	46	51
160	41	
200	44	
250	42	48
315	43	
400	44	
500	42	47
630	42	
800	39	
1000	37	42
1250	35	
1600	36	
2000	35	39
2500	25	
3150	28	
4000	29	
5000	26	32



## Laboratory test UNE-EN ISO 10846-1:2009

### STATIC LOAD DEFORMATION



$L_{n,w}$  41 dB  
 $C_1$  -2dB



### Axial compression results

LOAD (kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROOFING LEVEL (%)	
15	3,16	10,60	25	50	78,08	95,29
20	3,54	9,25	25	50	84,14	96,46
25	3,74	8,52	25	50	86,86	97,01
30	4,09	7,95	25	50	88,75	97,41
35	4,38	8,25	25	50	87,78	97,20
40	4,78	8,90	25	50	85,49	96,73



TC5EXN THERMOLAST® K

#### Products properties

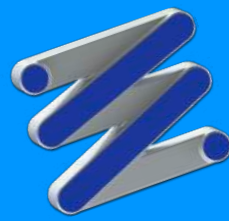
Name of the product	TC5EXN
Colour / RAL DESIGN	Blue
Processing method	Extrusion, Injection Molding

#### Mechanical properties

Hardness	46+ Shore A	DIN ISO 7619-1
Density	1.176 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Tensile Strength <sup>1</sup>	6.3 MPa	DIN 53504/ISO 37
Elongation at Break <sup>1</sup>	825 %	DIN 53504/ISO 37

<sup>1</sup>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.



**SEÑOR**



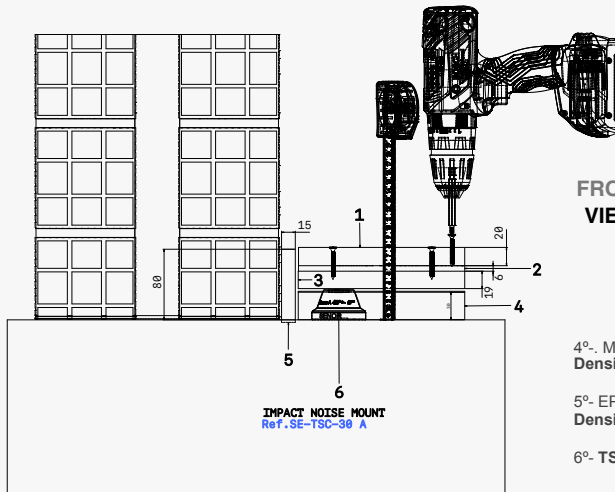
SEÑOR Aisladores Acústicos

**Ref. SE-TSC-30 A**

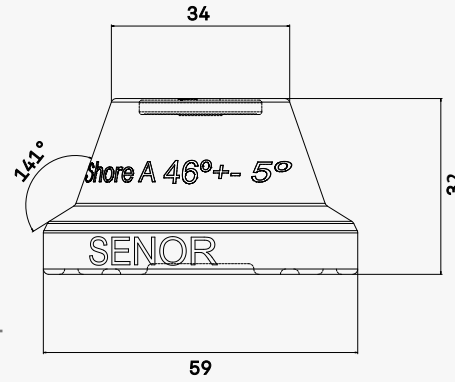
1º- MDF board with a thickness of 19 mm. Density: > 650 kg/m³.

2º- ViscoLAM-100 (acoustic membrane) with a thickness of 6 mm.  
Density: < 1650 kg/m³.

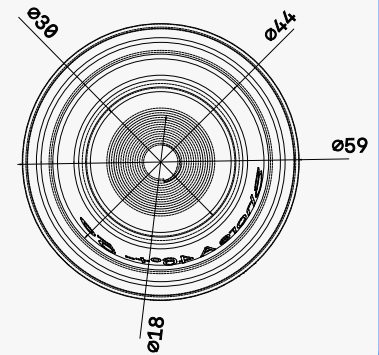
3º-. MDF board with a thickness of 19 mm. Density: > 650 kg/m³.



FRONT  
VIEW



PLAN  
VIEW



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

5º- EPDM CR-140 Acoustic band with a thickness of 15 mm.  
Density > 160 kg/m³.

6º- TSC-30 A: Impact noise mount.

3D  
VIEW



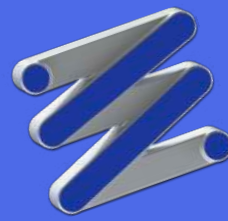
## MATERIALS

This acoustic mount is composed of:

- A: The polymer: **KRAIBURG-TPE / TC5EXN**. Hardness: 46 +- 5° SHORE A. Colour: **Blue**. Hardness according to the Standard ISO 48-4 o DIN ISO 7619-1.



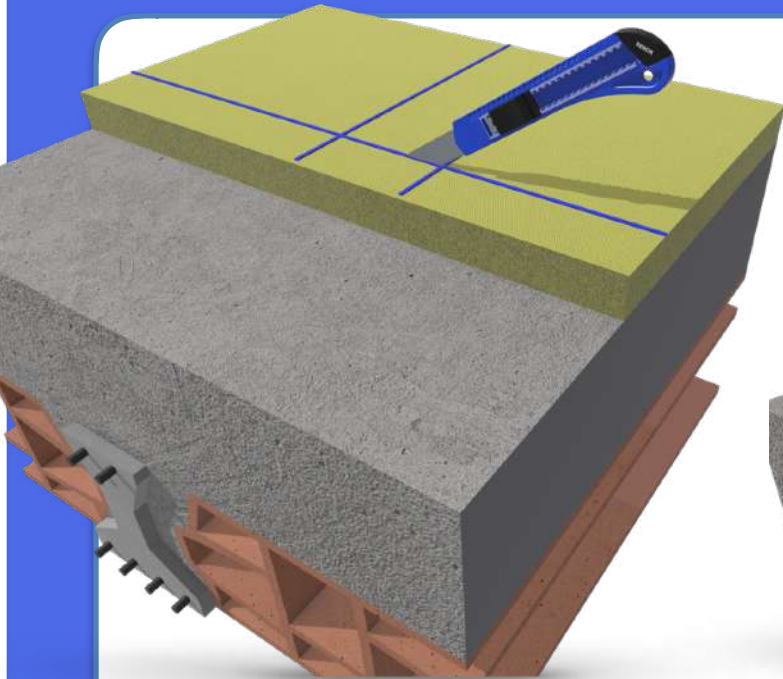




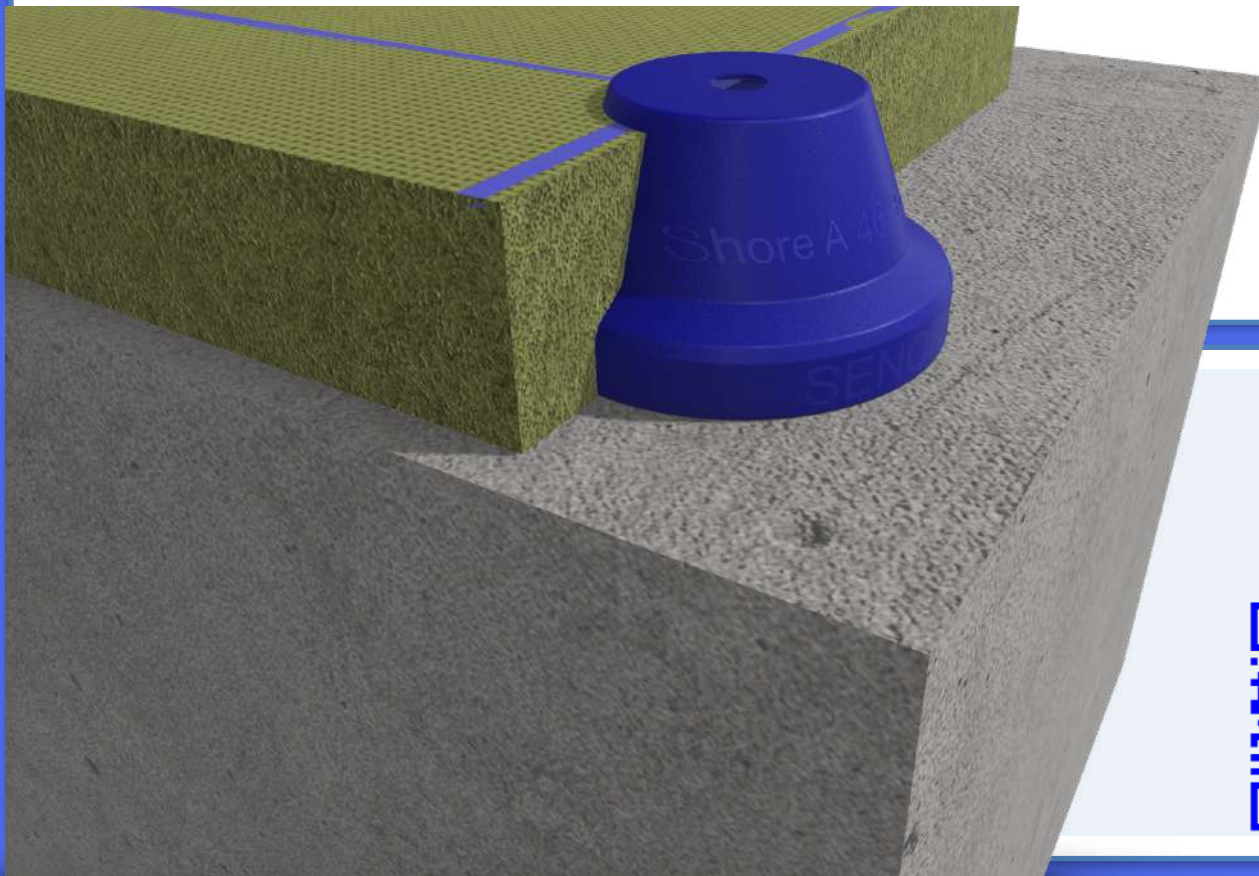
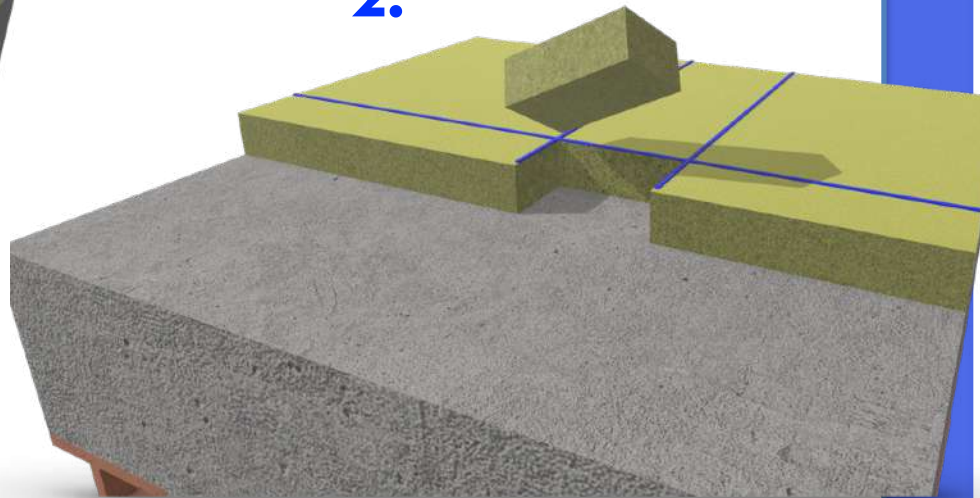
# Ref. SE-TSC-30 A

## Installation

1.



2.



3.

SCAN ME

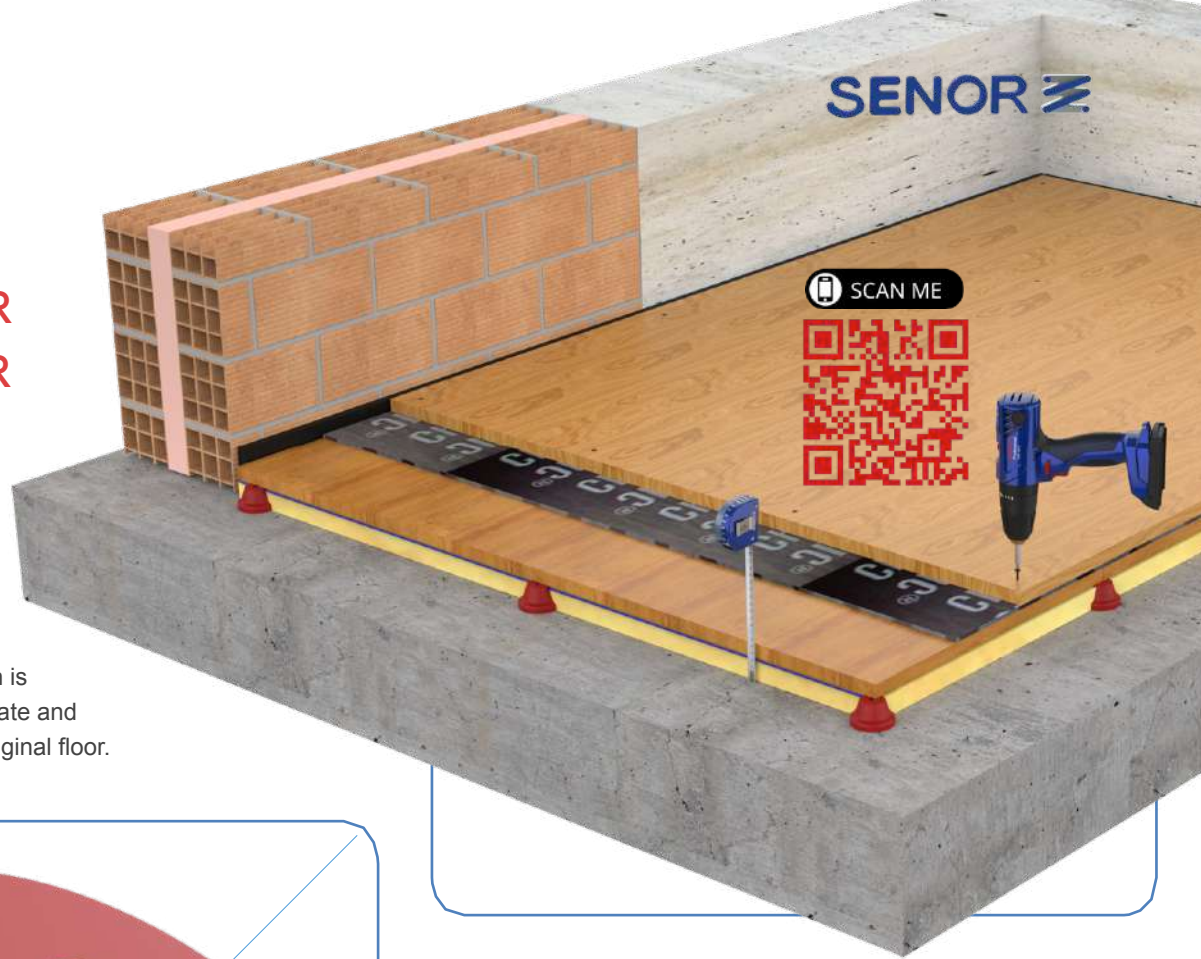


# TSC-50 R

## RUBBER MOUNT FOR LIGHT WEIGHT FLOOR

This product is a **RUBBER** mount made with high quality raw materials and with the last technology. It is designed to be used in light weight floors.

The **TSC-50 R** is an acoustic mount which is placed directly to the floor. It allows to isolate and decouple the light weight floor from the original floor.



### I+D+i

\*Product registered in the Spanish Patents and Trademarks Office.



### ADVANTAGES

The base of the **TSC-50 R** is designed to avoid the movement of the mount.


The rings in the base act as a suction pad limiting the movement and making sure the grip to the original floor.

### RAW MATERIAL

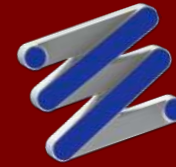
- The polymer: this mount is composed of a polymer named **KRAIBURG-TPE/TC6-EXN** which is tested according to the Spanish Standard **UNE-EN ISO 10846-1:2009**.

### LOAD CAPACITY

This mount is designed to work with loads between **35 kg** (minimum load) up to **65 kg** (maximum load).

REF.	COLOUR	METRIC MIN-MAX	USE	LOAD (kg) MIN-MAX	PACKING
SE-TSC-50 R		-	FLOOR	35 - 65	60





### Laboratory test UNE-EN ISO 10846-1:2009



Chart 1

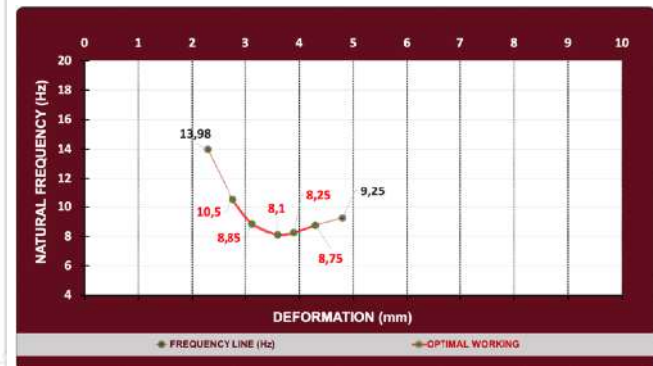


Chart 2

### Results

LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROOFING LEVEL (%)	
			25	50	63,33	92,81
35	2,20	12,95	25	50	63,33	92,81
40	2,50	10,45	25	50	78,83	95,43
45	2,85	8,95	25	50	85,30	96,69
50	3,29	8,05	25	50	88,43	97,34
55	3,44	8,25	25	50	87,78	97,20
60	4,12	8,75	25	50	86,04	96,84
65	4,57	9,25	25	50	84,14	96,46



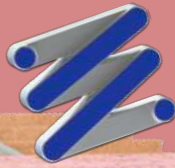
### Datasheet

TC6EXN		THERMOLAST® K
<b>Product</b>		
Compound	TC6EXN	
Color / RAL	Rojo	
Processing	Extrusion, Injection	
<b>Mechanical</b>		
Hardne	58° + 5° Shore A	DIN ISO 7619-1
Density	1.190 g/cm3	DIN EN ISO 1183-1
Tensile Strength <sup>1</sup>	7.0 MPa	DIN 53504/ISO 37
Elongation at Break <sup>1</sup>	675 %	DIN 53504/ISO 37
Tear Resistance	19.0 N/mm	ISO 34-1 Methode B (b)

<sup>1</sup>Deviating from ISO 37 standard test piece S2 is tested with a traverse

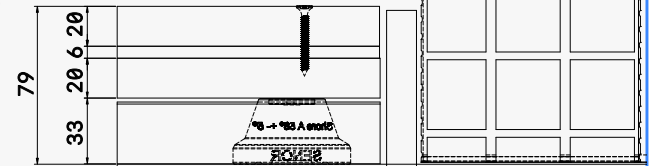
All values published in this data sheet are rounded average values.

## Light weight floors

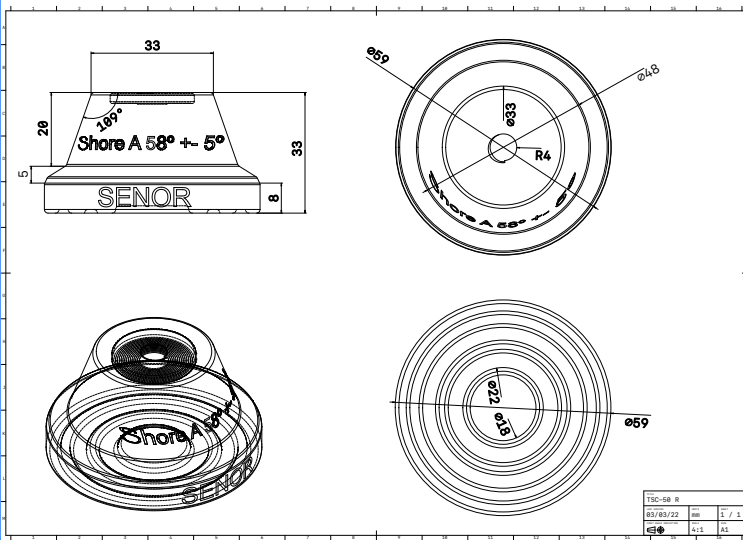


SENROR Aisladores Acústicos

## Ref. TSC-50 R

3D  
VIEWVERTICAL  
SECTION

## DIMENSIONS



## MATERIALS

This mount is composed of:

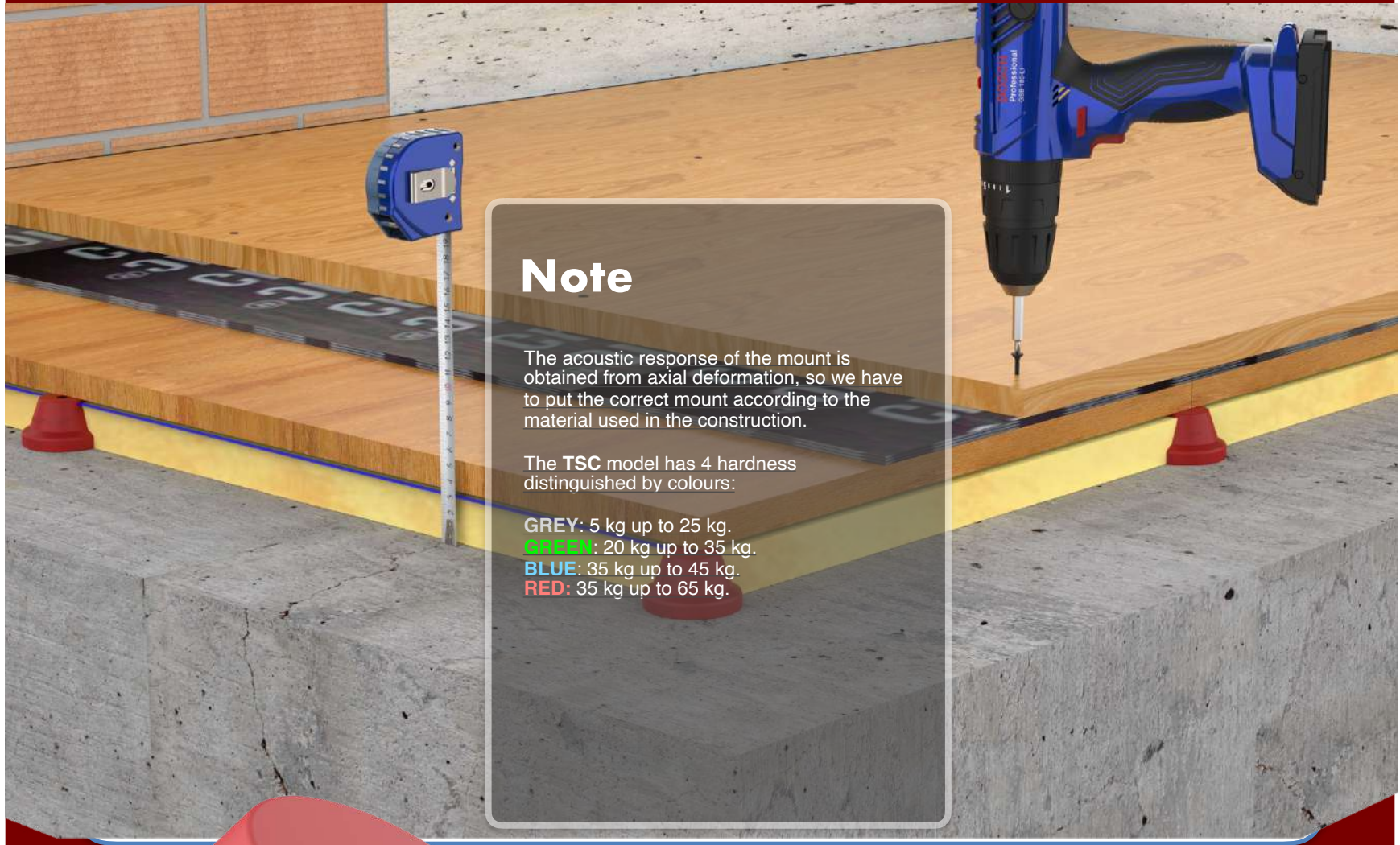
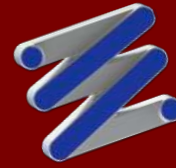
- A: 1x - The polymer **KRAIBURG-TPE/ TC6EXN**.  
Hardness: 58 +/- 5° SHORE A. Colour: **Red**.  
Hardness according to ISO 48-4 or DIN ISO 7619-1.

✓ Resonance frequency: 7-15 Hz.





# Ref. TSC-50 R



### Note

The acoustic response of the mount is obtained from axial deformation, so we have to put the correct mount according to the material used in the construction.

The TSC model has 4 hardness distinguished by colours:

- GREY: 5 kg up to 25 kg.
- GREEN: 20 kg up to 35 kg.
- BLUE: 35 kg up to 45 kg.
- RED: 35 kg up to 65 kg.



SENOR certifies

## Ref. TSC-50 R

SENOR reserves the right to make changes in specifications at any time without prior notice. It is a responsibility of the user to use the latest and updated version of the product data sheet. A copy of which will be available on request.

SCAN ME

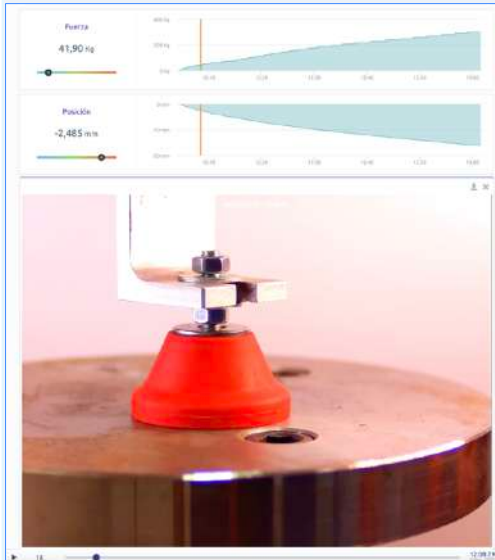


**The Standard:** UNE-100-153-04  
**Uses:** Vibration isolators. Design criteria.

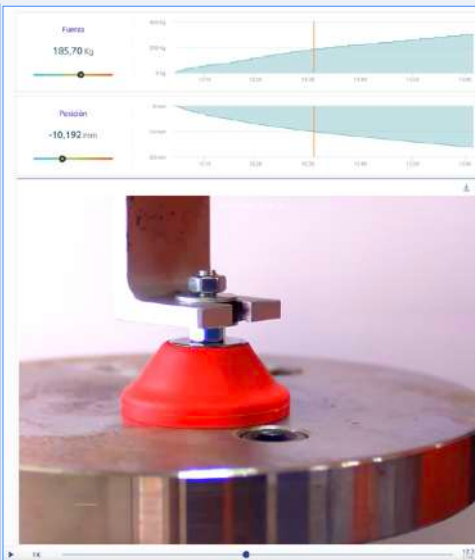




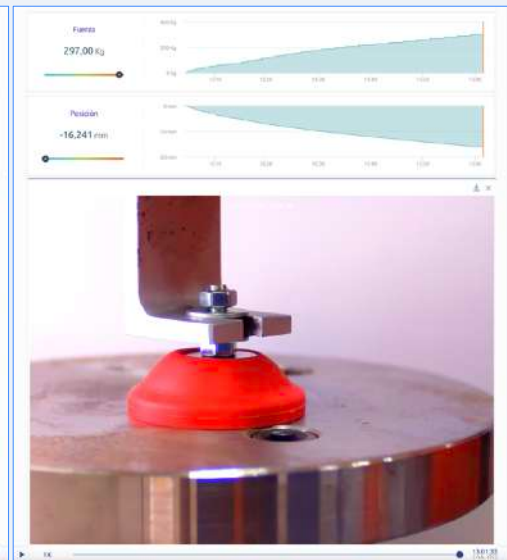
**DEFORMATION AND BREAK TEST**



Applied load: 41,90 kg



Applied load: 185,70 kg



Applies load: 297,00 kg

**Date**

SENOR 03 February 2022

**Failure mode**

This mounts exceeds the elastic limit by reaching **85,90 kg**. A higher load is applied and when 297,00 kg are reached the rubber is deformed and the test is concluded.

**Conclusion**

This mount is designed to bear loads between **35 kg** up to **65 kg** (maximum load). It strictly complies with the standard **UNE-100-153-04**: Vibration isolators: design criteria.



**Check out  
 the test!**

SCAN ME

