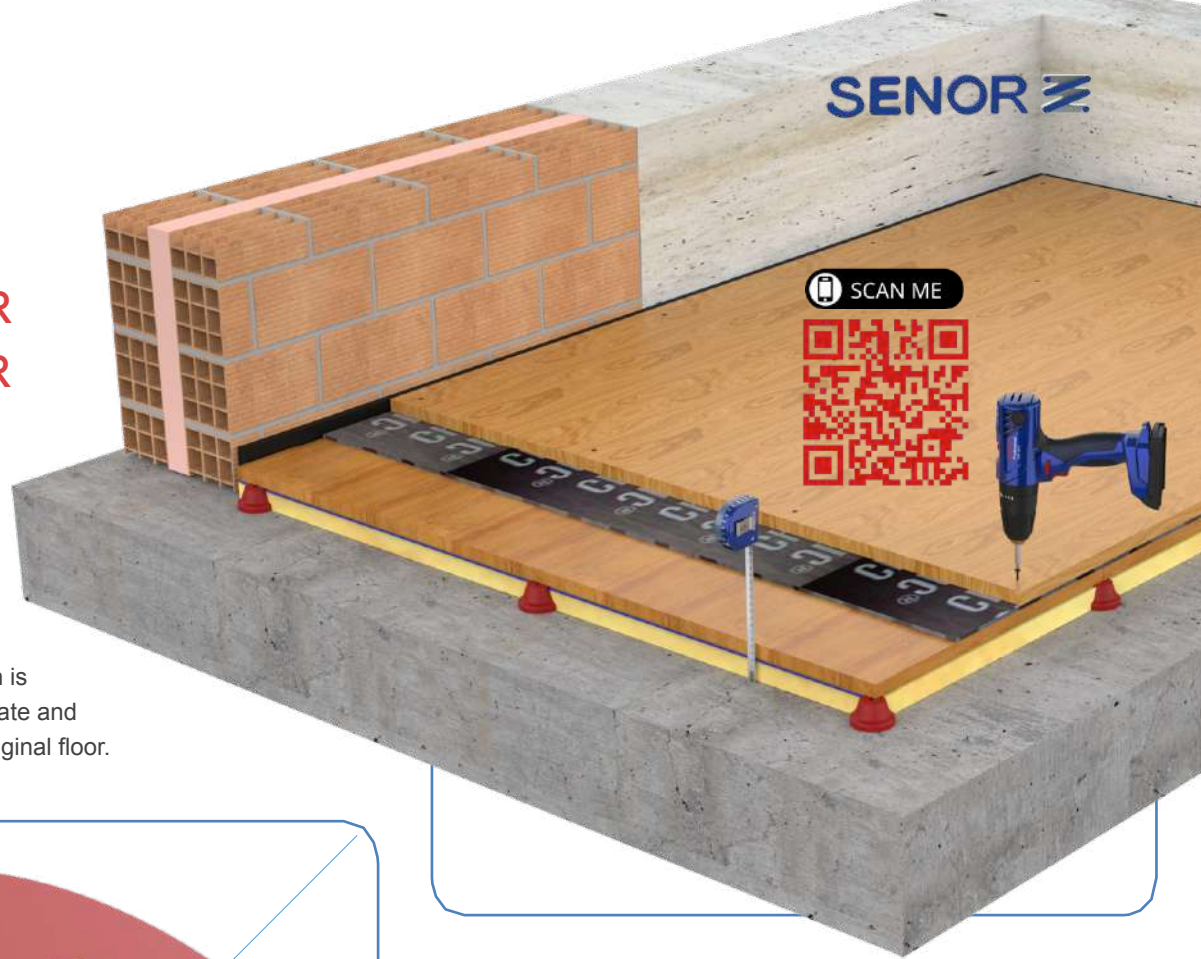


# TSC-50 R

## 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.

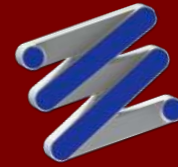
### RAW MATERIAL

- 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

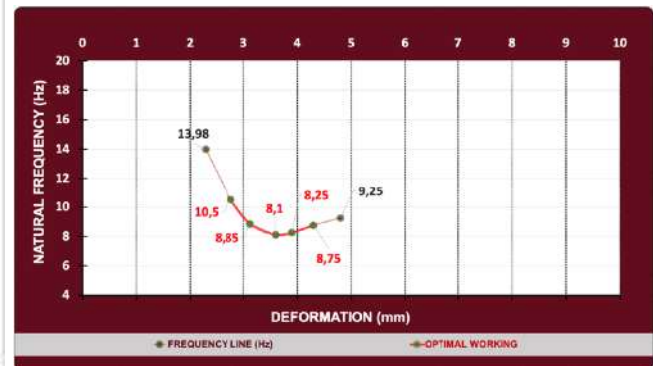


Chart 2

### 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

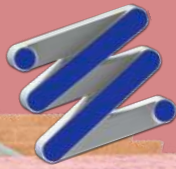


### Datasheet

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)

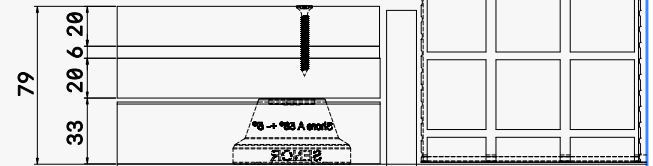
<sup>1</sup>Deviating from ISO 37 standard test piece S2 is tested with a traverse  
All values published in this data sheet are rounded average values.

## Light weight floors

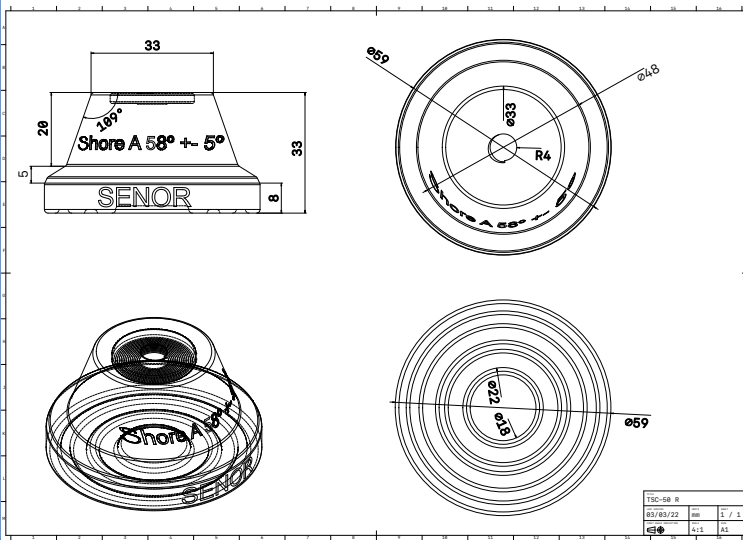


SENOR Aisladores Acústicos

## Ref. TSC-50 R

3D  
VIEWVERTICAL  
SECTION

## DIMENSIONS



## MATERIALS

This mount is composed of:

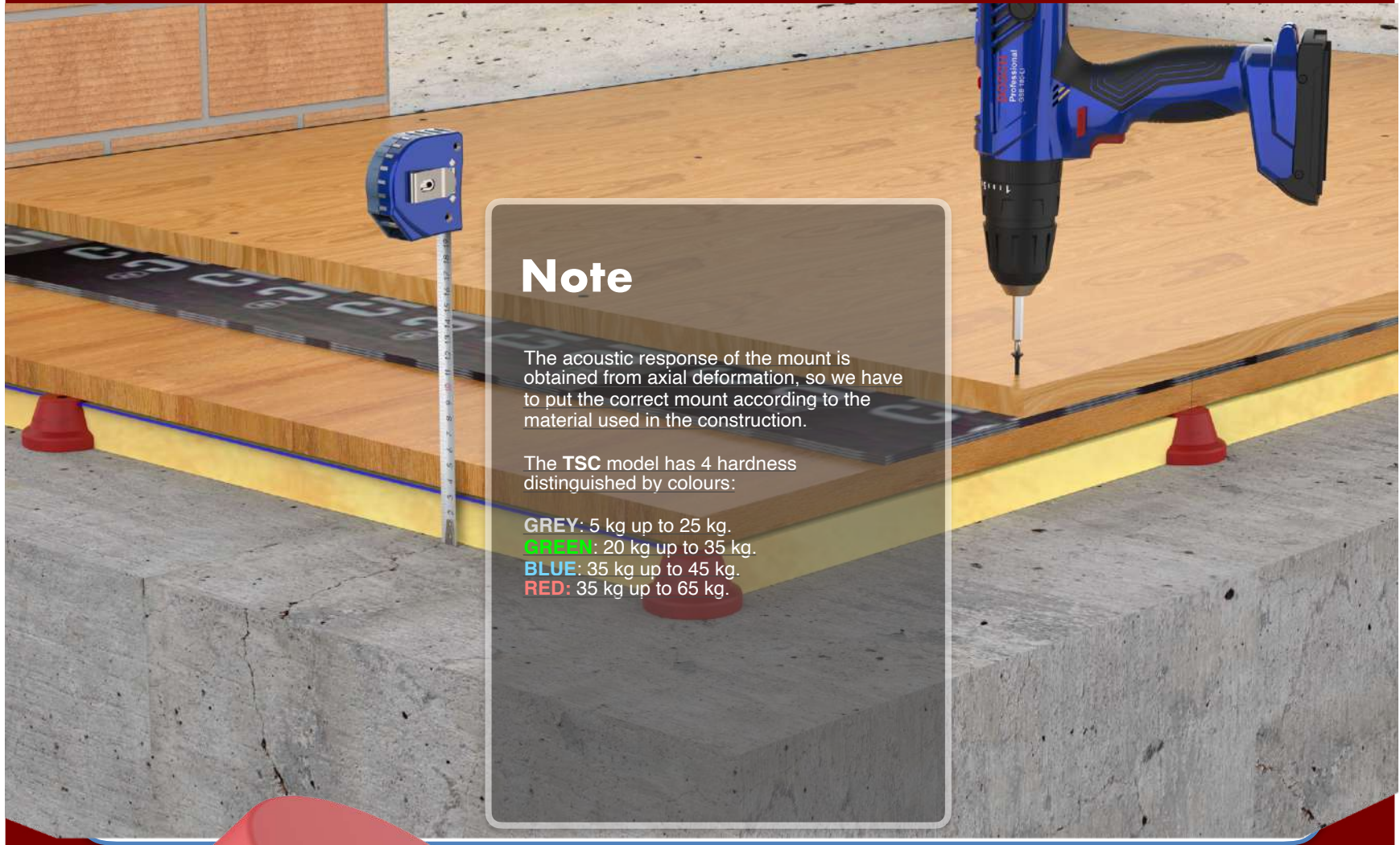
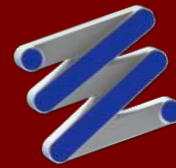
- A: 1x - The polymer **KRAIBURG-TPE/ TC6EXN**.  
Hardness: 58 +/- 5° SHORE A. Colour: **Red**.  
Hardness according to ISO 48-4 or DIN ISO 7619-1.

✓ 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.

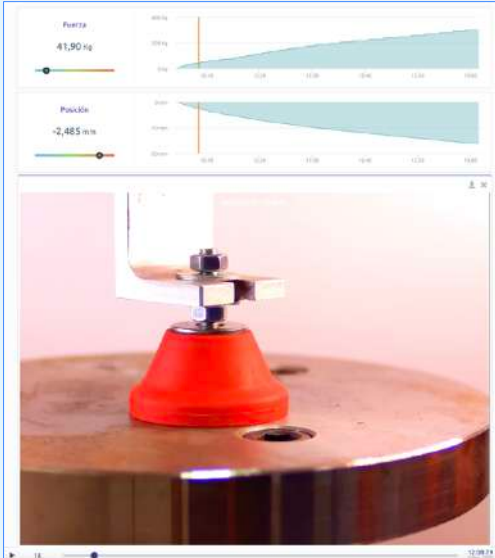
SCAN ME



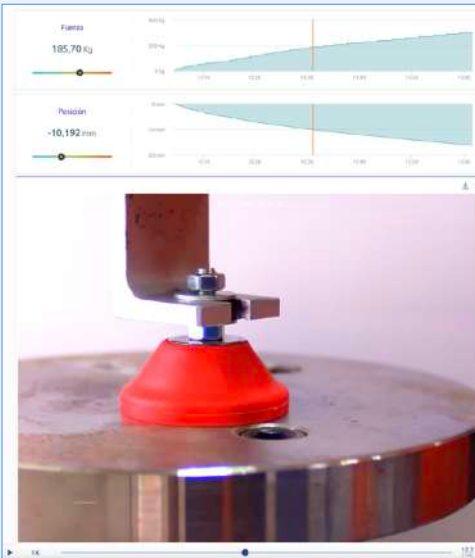
**The Standard:** UNE-100-153-04  
**Uses:** Vibration isolators. Design criteria.



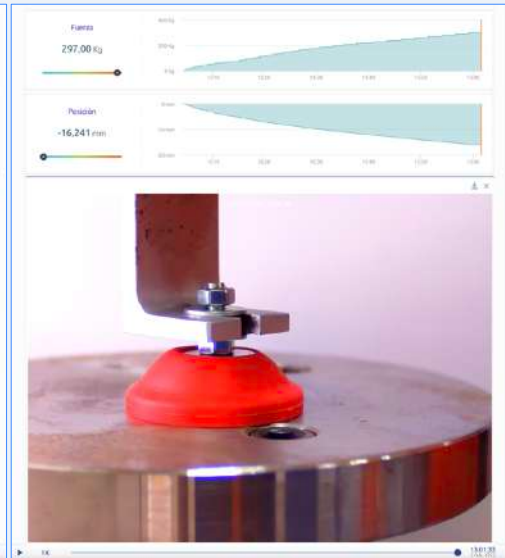
**DEFORMATION AND BREAK TEST**



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

