

## Tecsound T50 T50S (SY50) – High Performance Non-Flammable Soundproofing Mat Range



### Key Benefits

- Made from 68% recycled material fillers
- Ideal to be used as a de-coupler between plasterboard
- Blocks airborne sound as well as a sheet of lead
- Significantly increases the mass of any panel or board
- Nom. 2.6mm thick
- Easy to cut and install

### Description

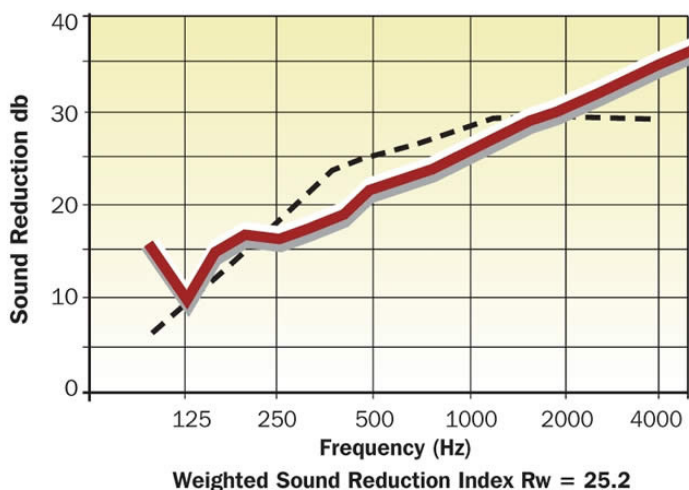
#### Recyclable and made from 68% Recycled Material Fillers

These are revolutionary non-flammable soundproofing mats designed to substantially upgrade the acoustic properties of lightweight structures such as stud walls and timber suspended flooring. T50 and T50S works particularly well when sandwiched between other high density layers such as Acoustic Plasterboard.

The self-adhesive version T50S can also be applied directly onto metal panels to reduce vibration and improve the sound insulation. This is a big advantage when installed on top of tin and other metal roofs to reduce the drumming noise of rainfall.

Tecsound T50 and T50S are a polymer-based, asphalt-free, high density synthetic soundproofing material that offers good soundproofing performance in different building elements. It has extremely high visco-elasticity as well as being extremely flexible regardless of temperature. And unlike our other soundproofing mats, does not contain any PVC's.

Tecsound 50 has excellent sound proofing properties. Sound damping is a problem with many constructions and in particular with rigid sheet materials such as plasterboard that absorb little sound energy because they easily vibrate and radiate sound through a structure quite effectively. Tecsound sound barrier mat however has tremendous density and mass whilst being extremely flexible. It's acoustically better than lead of the same surface mass, so will help block sound far more efficiently. (Graph below) Test result of the T50 when hung as a curtain.



### PROPERTIES

Density :	5kg/m <sup>2</sup> +/- 5%
Thickness :	2.6mm +/- 5%
Sheet Size :	6m x 1.2m rolls
Flexibility :	Does not break at -20°C
Crush strength :	4.84kg/cm <sup>2</sup>
Fire resistance :	Euroclass B, s2, d0 (Class0 to UK equivalent)
Operating Temp. :	70°C (short term 100°C)
Melting Point :	140°C
Acoustic performance :	Rw 25.2dB (When hung as a curtain)