

## Secrets component dampers



The insight that the placement and mechanical coupling of hi-fi components influences their sound quality is widely known today. This was not always the case: in the mid-1980s, we were introduced to an equipment base that could drastically improve the sound of electronic components. The platform, made of a carbon fibre-aramid composite, surprised and convinced us right away, although we initially had no technical explanation for the sonic effect.

The results, which were outstanding for the time, immediately showed us the importance of the placement of components for the sound quality of the system. Subsequently, we conducted our own tests with different materials. In doing so, we found that the inherent sound of the base imprints itself on the sound of the equipment and thus changes the sound characteristics of the equipment. Furthermore, the ratio of damping to energy dissipation is an important factor in optimizing the sound of amplifiers or source devices. The rubber feet often used under equipment decouple, but can hardly guide mechanical energy out of the equipment. Spikes, on the other hand, which are often used with loudspeakers, couple the loudspeaker to the floor to the maximum extent, but are themselves susceptible to resonance and couple vibrations from the environment into the loudspeaker.

The Audioplan Sicomin products allow a vibration-optimized placement of the components and thus significant sound improvements.

A smaller self-adhesive version of the so called “**Secrets**” in the size 20 x 1 mm. They consist of a highly effective damping material. These can be glued directly onto components such as capacitors, transformers, circuit boards or connectors. This enables the targeted damping of individual components and assemblies.