

## AntiSpike



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.

**AntiSpike** was developed to combine the advantages of hard coupling with doped damping. Previous solutions rely either on full coupling (e.g. metal spike) or maximum damping (e.g. rubber foot). The combination of both technologies promises the advantage of optimised energy transfer from the coupled device. With a specially formulated carbon-filled material, we finally found the perfect sonic balance of all properties. The material, shape and size are specifically designed for use under loudspeakers. The load capacity per AntiSpike is over 100 kg per piece. They are suitable for all surfaces, including carpeted floors. They can also be used very well for turntables with wooden frames. Another application is the replacement of spikes under racks, but here only on hard floors. In addition to the pronounced positive effect on the sound quality, they also offer practical advantages such as easy moving of the speakers, simple height adjustment and protection of the floor. AntiSpikes have a diameter of 28 mm, a height of 20 mm and are available with M6, M8 and M10 threads in sets of four.