

SonicWave®

Optimum room acoustics for more productivity and creativity

ANKER



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Optimal room acoustics will always be likewise conducive to a good work atmosphere - whether in an open-plan office, a reception area or, for example, conference and meeting rooms - and, thus, to more productivity and creativity but also to the health and satisfaction of employees.

To achieve this attention is frequently first given here to the design of the ceilings and walls. However, it is not unusual for the structural options here to become quickly exhausted due to the nature of the building or because they are relatively expensive. Consequently, intelligent conceptualisation also includes another area in this regard, namely, the floor covering; this is because when it comes to acoustics, on account of its surface area, the floor covering can be assigned more than just a supporting role.

Carpets can generate excellent results when used as (porous) sound absorbers, particularly when compared with floor coverings with (sonically) hard surfaces, such as, ceramic floor tiles or parquet flooring. As a result, particularly in the mid to higher frequencies (2,000 to 4,000 Hz includes, among others, the human voice frequency range), absorption values of up to 90 % can be measured. With a view to providing even more effective sound absorption here, ANKER has further enhanced the already good acoustic properties of its textile floor coverings. Carpets sold under the SonicWave® label are backed with a special acoustic fleece; this provides SonicWave® optimum room acoustics for more productivity and creativity

that achieves aw-values (sound absorption coefficients) up to 100 % better than standard products. Moreover, this can even be achieved in the lower frequency ranges of 500 to 1,000 Hz where sound absorption is 4 to 5 times higher in comparison.

Therefore, carpets backed with SonicWave® fleece play a part in considerably reducing the costs for work-intensive and expensive measures using acoustic furnishings.

Overview of the advantages of SonicWave®

- Special acoustic fleece that can improve the sound absorption coefficient by up to 100 % (when compared with standard products)
- Very effective noise reduction across all frequency ranges - also in those ranges between 500 and 1,000 Hz
- Enhances the work atmosphere and is conducive to increasing productivity and creativity
- Saves work-intensive measures such as, for example, installing acoustic furnishings and, in this way, plays a role in considerably reducing the costs for acoustic protection concepts
- Test reports are available not only for products related to sound absorption according to DIN EN 354, but also impact noise according to ISO 10140
- Carpets backed with SonicWave® fleece can be supplied as roll carpeting and tiles

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Rolls

Pilematerial
Tuft support material
Pre-coating
Glue layer
Textile backing

Rolls with SonicWave®

Pilematerial
Tuft support material
Pre-coating
Glue layer
Acoustic fleece

Tile with SonicWave®

Pilematerial
Tuft support material
Pre-coating
EVA | Glass-core
Acoustic fleece

SONIC
WAVE
BACK