

TWE nonwovens bring peace into every room

Did you know that the typical noise level in an office is about 70 dB? This is not far away from the noise caused by a jackhammer, which is around 100dB. It causes stress and leads to concentration difficulties. Today however, workplaces should be designed to increase the ability to concentrate. Therefore, a functional and attractive design of the premises is very important.

An effective spacing by partition walls with acoustic insulation leads to noise minimization and excellent room comfort. This is achieved through ceiling panel systems or suspended ceilings, as well as installed wall panels and absorbers.

But even in everyday life, noise such as cell phone ringing, babbling or engine noise burden our lives: A certain noise level accompanies us constantly and everywhere - whether on the street, at the train station or in the department store. Even in our own home, our actual retreat, we are often exposed to a background noise. TWE Group's wide range of acoustic nonwoven solutions allow you to sit back and relax wherever you go, as noise can be reduced in many areas of your life through our products. The product range developed by the TWE Group for acoustic insulation comprises two main applications: the Safe-T-Sound product line for the acoustic insulation of walls and suspended ceilings, and the Quiet Step product line for the acoustic insulation of stone, wooden or concrete floors.

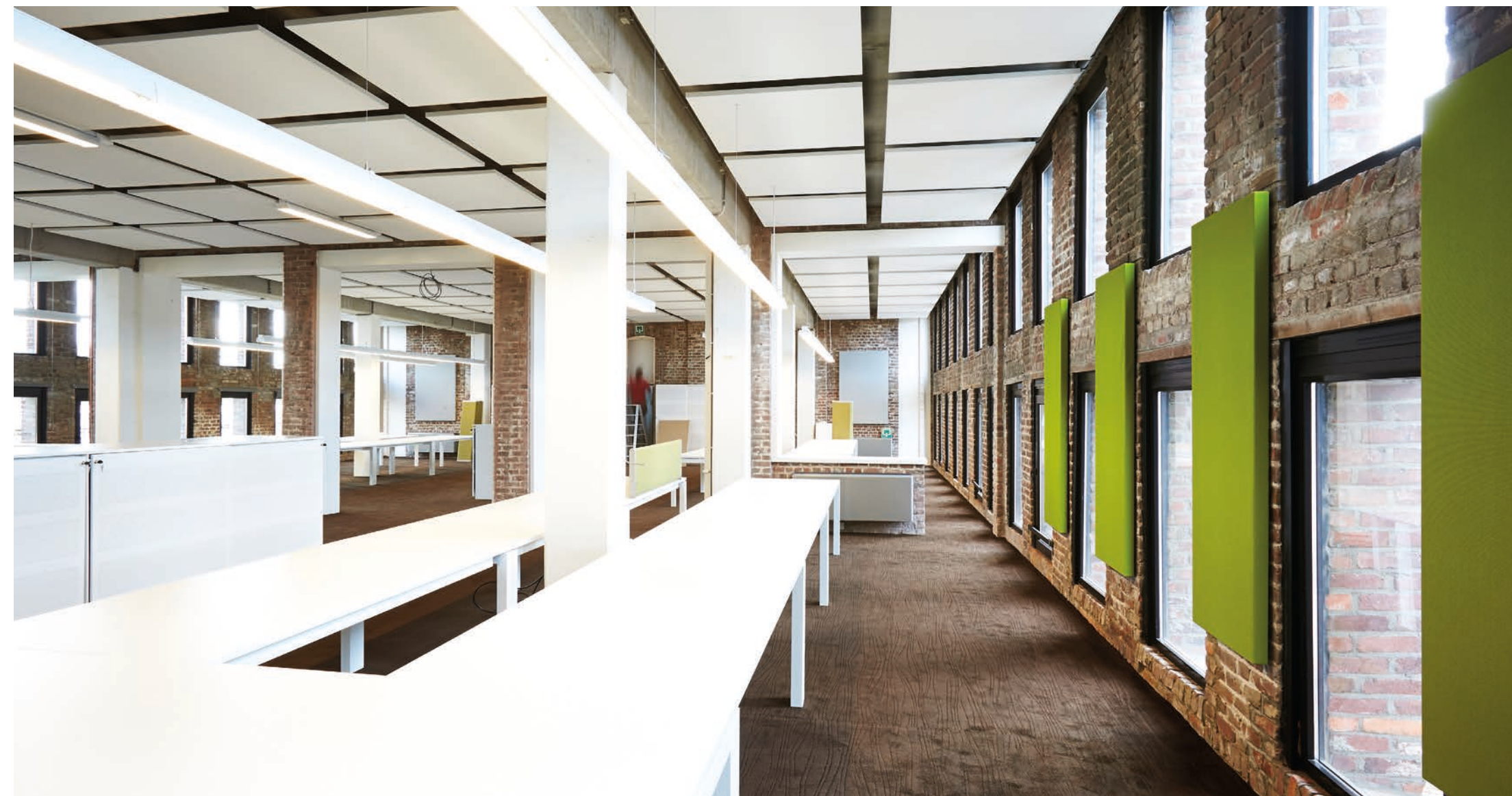
Safe-T-Sound products are suitable for sound insulation in partition walls as well as indoors to reduce reverberation. Safe-T-Sound is used in partition walls as well as in suspended ceilings

and contributes to the significant reduction of noise. These soft or even rigid polyester materials are COV-free (A+), do not release any respiratory dust particles during use and installation, and permanently retain their acoustic properties. Longevity, health compatibility and the fulfillment of the highest safety requirements characterize our nonwovens. They are easy to process, low in odor, flame retardant and are resistant to moisture and UV radiation. In addition, because our products are made from 100% polyester, they are recyclable, saving valuable resources. By printing an individual design can be implemented.

The Quiet Step product line offers acoustic insulation as a base for glued or sliding floor coverings. Our nonwovens can be used for all types of floors - whether wooden, concrete or stone. To protect wooden floors from moisture, TWE offers solutions with laminated films. Some Quiet Step products are also compatible with underfloor heating.

All products have excellent soundproofing properties, resulting in excellent noise reduction. The nonwovens are breathable, odorless and resistant to moisture and rotting. Therefore, no mold can grow when using our products. Also our products are useful for the backing of carpet products. With this type of application, our products enjoy the highest recognition in the market. When used as a sound insulation for PVC floors, our nonwovens prevent irregularities and defects in the floor from being transferred to the PVC floor covering. Thus, long drying times of leveling compounds can be avoided by our nonwoven solutions.

Acoustic insulation TWE's contribution to a calm and relaxed atmosphere in everyday life



TWE nonwovens - the guarantee for perfect room acoustics

Ceiling:

Safe-T-Sound can be used flexibly, whether as a ceiling panel, in suspended ceilings or as vertically suspended panels. In addition to the excellent absorption values, our nonwovens also have a high flame retardency and low smoke development. They are recyclable and free from any additives and chemical binders. Likewise, they are moisture and UV resistant, which gives them a long lifetime.

Safe-T-Sound 

Wall:

Our Safe-T-Sound nonwovens are suitable as insulation and absorption materials. In order to prevent noise from entering into next rooms, Safe-T-Sound is used in partition walls for acoustic insulation. Installed in wall panels, it is used as an acoustic absorber. It can be printed to suit the interior of the room.

Safe-T-Sound 

Acoustic room divider:

The nonwoven solutions of the Safe-T-Sound series are particularly suitable for acoustic room dividers, in order to be able to detach larger rooms flexibly and to improve the room acoustics. They absorb the sound, are insensitive to pressure and can be printed and laminated according to customer requirements.

Safe-T-Sound 

Ground:

Our Quiet Step nonwovens are used as footstep and footfall sound insulation. In addition to reduce noise, they also help to compensate bumps, protect the floor from moisture and are compatible with underfloor heating systems. As acoustic absorbers they are used under wooden floors as well as under PVC, concrete or stone floors.

Quiet Step 

