viledon®

SoundTex® Acoustic Nonwovens

The Sound of Silence

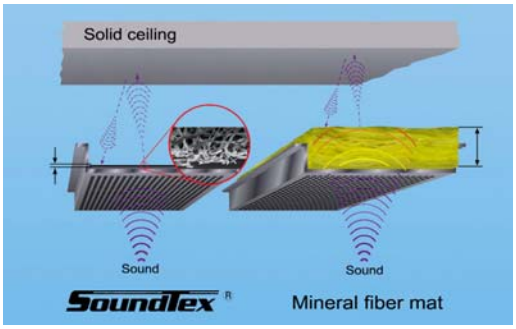
Freudenberg

SoundTex® Exceeds All Design and Functional Requirements for Today´s Acoustical Ceilings

It Takes More Than Talent to Deliver a Great Performance

When it comes to architectural solutions for perforated ceilings, the qualities that count most are appearance, performance and price. In order to have a great product, you need all three. That´s why we developed Soundtex.

SoundTex is a thin acoustic nonwoven material that permits perforated ceiling tiles to absorb sound, while offering a number of economic and environmental advantages over competitive solutions. It is made of cellulose and glass fibers and



is highly homogeneous in terms of weight and thickness. SoundTex bonds directly to suspended perforated panels made of wood, metal or plaster board. The product is available in black or white, with or without an adhesive binder.

SoundTex was developed by Freudenberg to meet the growing aesthetic and performance requirements of perforated ceiling panels. Like every nonwoven product, Soundtex is engineered to conform with the exact requirements of the application. As a result, the SoundTex material is light in weight and ultra-thin, yet dense enough to provide the necessary dampening of the transmitted sound.

As a result of these qualities we were able to give SoundTex performance characteristics that affort architects and designers advantages that are not available with other products in the market. Advantages that have made a major difference in terms of appearance performance and cost.

SoundTex is being used extensively in a number of applications where acoustics is a prime consideration for either artistic or purely functional reasons. Typical examples include office buildings, municipal halls, airports, theaters, convention centers, subway stations, hotels and restaurants.

Works Great - Installs Easy!

SoundTex modifies the sound impedance of perforated tiles to a level that is equivalent to the impedance of air. Sound waves are forced through the product´s nonwovens structure, generating heat friction. This friction produces a loss of kinetic energy, thus reducing the magnitude of the sound wave. SoundTex´s ultra-thin profile (0.008"/0.2 mm thick) makes handling and installation easy. It can be laminated to the ceiling panel at the factory, lowering shipping cost and reducing workload at the job site.

SoundTex is Economical and Cost Effective

Because of its ultra-thin flat shape and negligible bulk, SoundTex lowers the high storage and shipping costs associated with bulky fiberglass matting.

SoundTex Increases Manufacturing Yield

SoundTex can be supplied in sheet form or in desired widths, eliminating the need for manual cutting and fitting. This feature also allows greater use of automated production processes.

SoundTex Increases Design Options

SoundTex is air permeable, so it doesn´t interfere with the ventilation process. This feature gives architects and designers greater flexibility in positioning air inlets and vents.

SoundTex Reduces Maintenance

The air permeability of SoundTex reduces the risk of water condensation behind the panels, because there is a permanent exchange of air in the room. Panels can be easily removed for quick maintenance.

SoundTex Reduces Health Hazards

SoundTex fibers are bonded securely, eliminating the respiratory risks that are commonly associated with fine loosely assembled fibers. During ceiling replacement, the product´s negligible bulk reduces waste.

SoundTex has been tested in accordance with all major international acoustic standards and has met or exceeded them all.

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