NEWTECH INSULATION

Sound Absorption Panels



"Sound Absorption Panels"

A technique to reduce noise problems for factory or office areas is to use "Sound Absorption Panels" which help reduce resonance and reverberation. The main function of sound absorption panels is to convert impact sound energy into heat energy which in turn decreases the sound intensity in the area. Sound absorption panels are available in various kinds of materials such as fiberglass, polyester, PET recycled material, and synthetic rubber. When choosing sound absorption panels along with the budget, we also consider Sound Absorption Coefficient (SAC) which describes how effectively that material can absorb sound. Sound absorption panels are generally suitable for suppressing resonance in high frequencies (more than 1000 Hz).



Choose NTi Sound Absorption Panels

The installation of sound absorption panels should not only factor in the product cost, there are numerous other expenses. Further costs include: installation fees, lightweight wall materials, scaffolding fees, and the time required to complete the job. These are expenses that exist in addition to the price of sound absorption panels. Therefore, we have to choose sound absorption panels that meet the highest standards in terms of weight and sound absorption performance. This ensures the installation of sound absorption panels needs only to be performed once and have a long service life. There should be no need to replace materials often due to damage or reduced performance. NTi has a selection of sound absorption panels to suit different work conditions and customer needs such as economical sound absorption panels, standard sound absorption panels, and sound absorption panels for cleanrooms.

NTi Sound Absorption Panels Properties

- NRC noise reduction coefficient not less than 0.80
- Available thickness 5mm-50mm
- Available in polyester and high-density glass fibers
- Available in bare sheet, fabric cover, and plastic cover
- Lightweight for sound absorption and heavyweight for soundproofing
- Non-flammable materials class A1 fire classification certificated
- Special models can be ordered for outdoor use (weatherproof)

Applications

- Sound absorption panels for conference rooms
- Sound absorption panels for use with noise barriers
- Sound absorption panels for machine enclosures
- Sound absorption panels to reduce room reverberation
- Sound absorption panels for studio and home theater systems
- Sound absorption panels for industrial noise absorption



Benefits

- Cost-saving as customers can perform a self-installation
- Suitable for solving noise problems at high frequency
- Ability to select the thickness and density of sound absorption panels
- Best for reducing noise resonance and reverberation inside buildings or enclosed areas
- Available for use both inside and on top of walls

