

Caruso Acoustics by
FALCONTM



ACOUSTIC SOLUTIONS
SOUND PERFORMANCE DATA

MATERIALS

Effective acoustic absorption, durability and safety: Caruso Acoustics by Falcon sound-absorbing panels have been conceived and designed to guarantee the best acoustic absorption performance, with special emphasis on their choice of materials.

The panels internal sound-absorbing material is 2" thick and available in two different types: Basotect® melamine resin by Basf® and Whisper® by Stratocell®. The latter is particularly recommended for environments with high humidity, such as swimming pools, changing rooms and canteens. All Caruso Acoustics by Falcon sound-absorbing panels have the same features except for Menhir sound-absorbing totem, which has a thickness of 15" and Kubo sound-absorbing element, with a thickness of 20". Both are available only in melamine resin.

Available in a wide range of colours, the finishing fabric is Oeko-Tex certified, while the internal sound-absorbing materials undergo repeated production checks to guarantee the highest quality and performance over time.



ECO-FRIENDLY MATERIALS

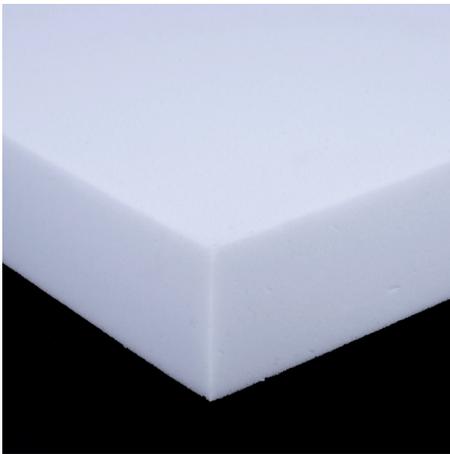
Caruso Acoustics by Falcon is supporting the green business trend by adopting policies to improve the entire production chain, demonstrating its solid commitment to operating on the market in an environmentally sustainable way.

Caruso Acoustics by Falcon sound-absorbing panels are made from a metal frame with internal sound-absorbing material and then covered with upholstery fabric.

The finishing fabric is polyester (Oeko-Tex certified), which is fully recyclable so we can preserve our natural resources and cut down on waste. Widely used in the textile industry, polyester is a breathable fabric that does not absorb moisture and is very resistant and elastic.

The internal sound-absorbing material is available in two different types: Basotect® melamine resin by Basf® and Whisper® by Stratocell®.

Caruso Acoustics by Falcon operates in an eco-friendly way to provide environmentally sustainable products, following on from the company's commitment to lower the environmental impact of its production.



BASOTECT®

While melamine resin is produced without the use of halogenated hydrocarbons or toxic heavy metals. Product components made from melamine resin also weigh less, which helps to lower emissions during transportation. Another important characteristic of Basotect® by Basf® is that it complies with major international fire safety regulations given that it is a thermosetting material. Melamine resin can withstand high temperatures and the resin's high nitrogen content makes it a highly fireproof material.

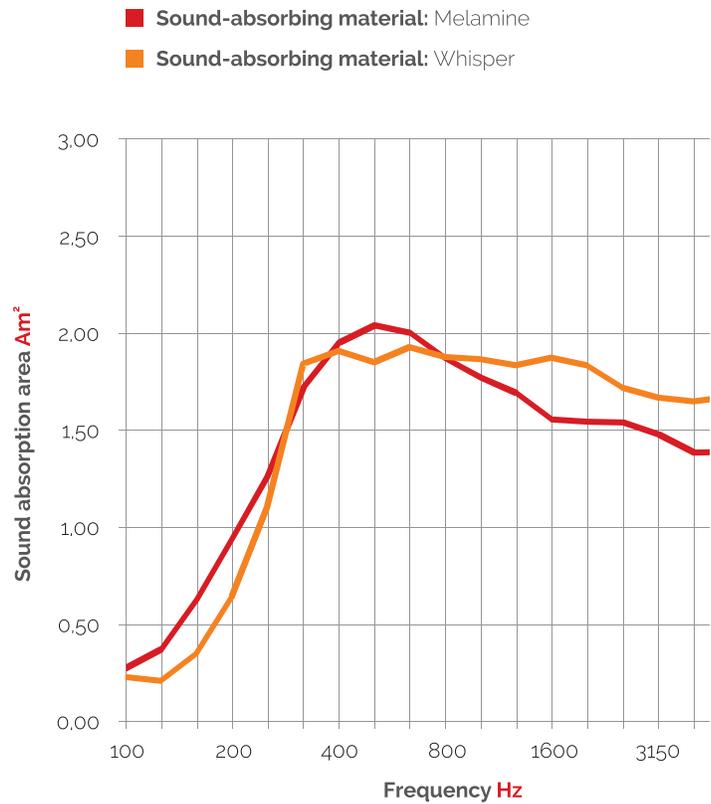
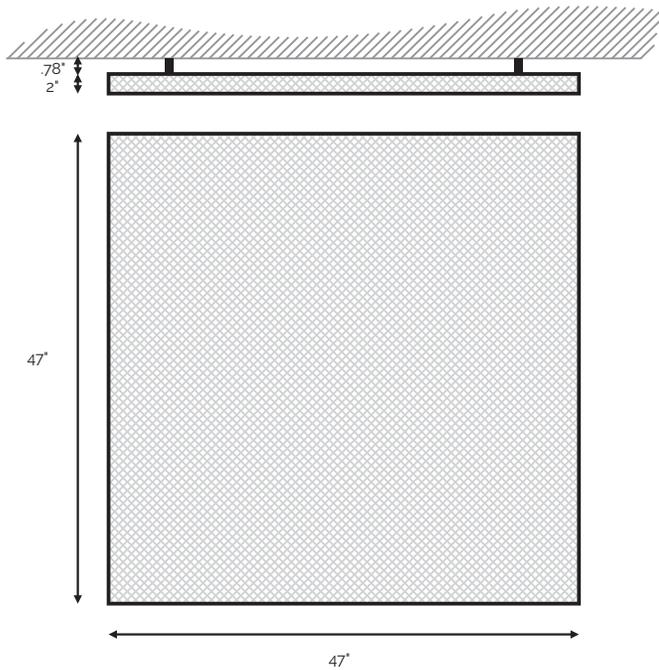


WHISPER®

Whisper® by Stratocell® is made from polyethylene foam so it is 100% recyclable. This material has excellent acoustic properties and is easy to work and model. Given its high acoustic performance, less material is required, which thereby optimises its applications and cuts down on waste. Polyethylene is a very versatile material which is widely used in the manufacture of "plastic" bags; it is water resistant and does not require a protective coating against moisture; it is flexible, self-supporting and complies with current fire safety regulations.

SOUND ABSORPTION PANEL IN ADHERENCE

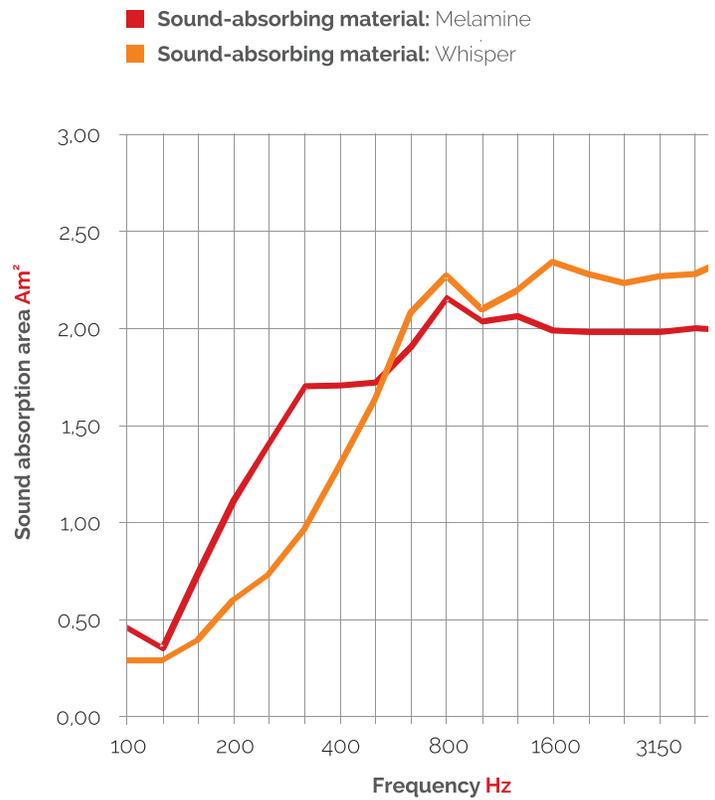
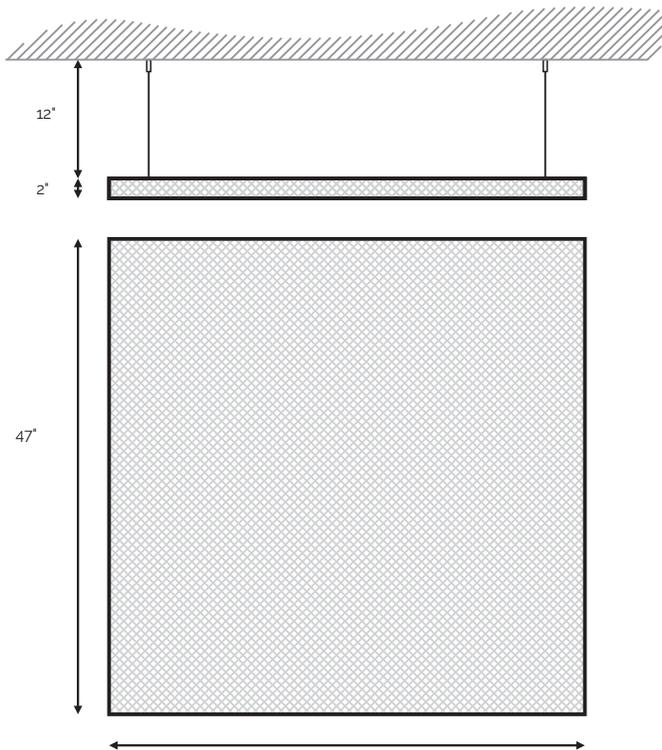
Adherence Silente sound-absorbing panel installed on wall or on ceiling. The acoustic absorption of the Silente M and Silente W panels performs particularly well with frequencies affected by speech (250-2000 Hz).



Sound absorption test compliance ISO 354 performed on standard panel 47 x 47 x 2 inches

SOUND ABSORPTION HANGING PANEL

Hanging Silente sound-absorbing panel hung from the ceiling. The acoustic absorption of the Silente M and Silente W panels performs particularly well with frequencies affected by speech (250-2000 Hz).



Sound absorption test compliance ISO 354 performed on standard panel 47 x 47 x 2 inches