SNOWSOUND®

Acoustic Technology & Design

Research & Patents

Snowsound technologies and products are covered by a variety of patents, the result of intensive research and development that is still in progress, partly due to our ongoing partnerships with universities and research institutions.

Snowsound (U.S.A.) — Acoustic Lab

Snowsound Software
Hear and Experience the Difference

The Snowsound acoustic calculation software, which won international awards and is valued by industry professionals for its precision, reliability and ease of use, with the 2.0 release is even more comprehensive with a powerful sound algorithm that allows the sound of a room to be heard before and after the treatment with Snowsound products. Snowsound software can simulate a room's acoustic footprint, while accounting for the performance of the materials at the various frequencies and recreate the reverberation effect between 63 and 8000 HZ, a detail that until now has been reserved for the most refined ray tracing software. After the usual data entry processes, Snowsound software not only demonstrates the curves post and preinstallations, it also generates acoustic files that simulate the environment before and after installing Snowsound products. All that's left is to grab some earbuds or a headset and listen to the amazing effect of Snowsound technologies.
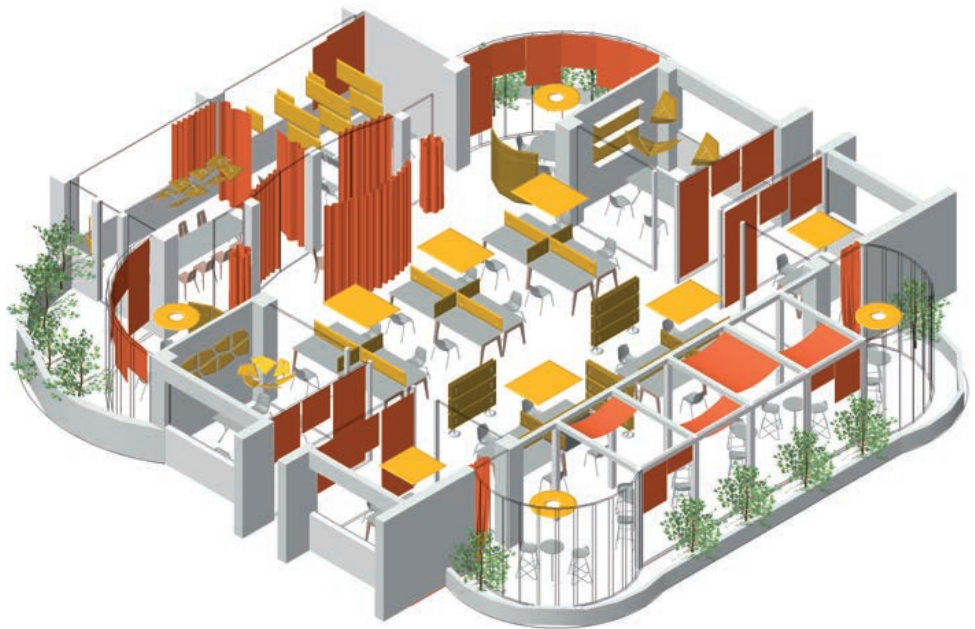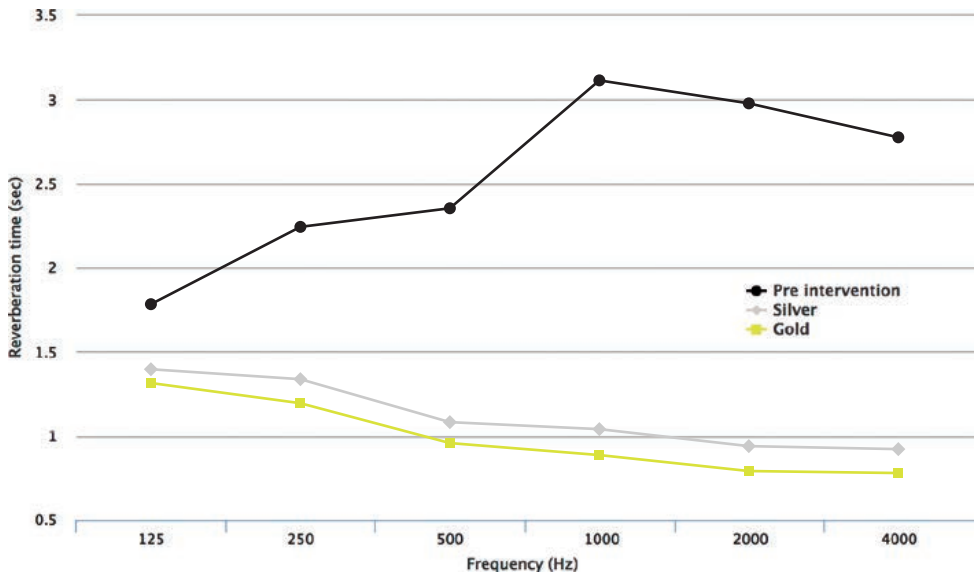
Best of NeoCon
(U.S.A.)

German Design Award
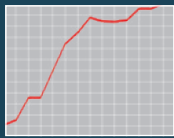(Germany)

Snowsound Technology

Design and Designers

- Gillo Dorfles
- Sezgin Aksu
- Lorenzo Damiani
- Michele De Lucchi
- Alberto Meda & Francesco Meda
- Lorenzo Palmeri
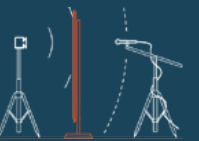- Marc Sadler
- Mario Trimarchi
- Snowsoud Lab

Research and Patents

PATENTED

"A" Class
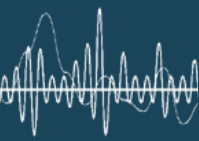UNI EN ISO 354 (UNI EN ISO 11654) and ASTM C423

Decibels' Reduction

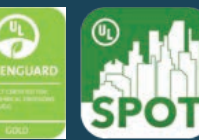## Sound Quality
UNI EN ISO 10534-2

100% Sound Absorbing

Strong, Light and Thin

Greenguard Gold and UL Spot

Eco-Friendly
100% Recyclable

No Formaldehyde
UNI EN 717-2

Hygiene & Maintenance

CE
EN 13964 - Regulation (UE) no. 305/2011

Fire
Class A Flame Spread and Smoke Development
UL 723, ASTM E84

Extreme Conditions
ISO 9142

-20°C / +70°C

The brilliant intuition at the heart of Snowsound patented technology is based on the use of panels composed of material with variable density, which achieve selective absorption at different frequencies and thus optimize the acoustical environment notwithstanding the thinness of the panels. The absence of frames and seams and the unusual characteristics of the material used in the fabrication of the panels, render them extremely light, unobtrusive and adaptable to any environment.

1
The surfaces of the panel is coated with Trevira CS® polyester fabric firmly bonded to the inner wadding with which it forms a single body without a break. This property makes it possible to obtain a surface which, while visually appearing very soft, actually is resistant, difficult to tear or perforate.
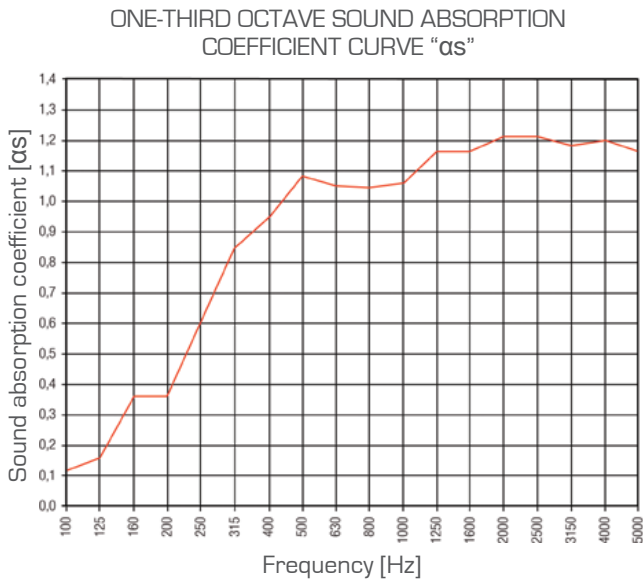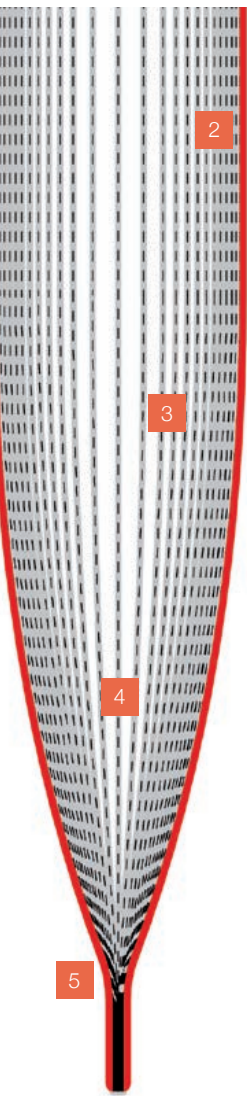
2
High density polyester.

3
Medium density polyester.

4
Low density polyester.

5
Rigid edge.

ONE-THIRD OCTAVE SOUND ABSORPTION COEFFICIENT CURVE "αs"

Snowsound Technology Panel Collection

Design **Mario Trimarchi**
Botanica

Design **Alberto & Francesco Meda**
Flat

Design **Snowsound Lab**
Snowfix

Design **Michele De Lucchi**
Mitesco

Design **Marc Sadler**
Tra Light

Design **Snowsound Lab**
Minimal

Design **Snowsound Lab**
Oversize Wall

Design **Snowsound Lab & Marc Sadler**
Oversize Ceiling/Lux

Design **Lorenzo Damiani**
Blade

Design **Marc Sadler**
Corner

Design **Snowsound Lab**
Snowfront

Design **Snowsound Lab**
Oversize Desk

Design **Marc Sadler**
Baffle

Design **Marc Sadler**
Baffle Oversize
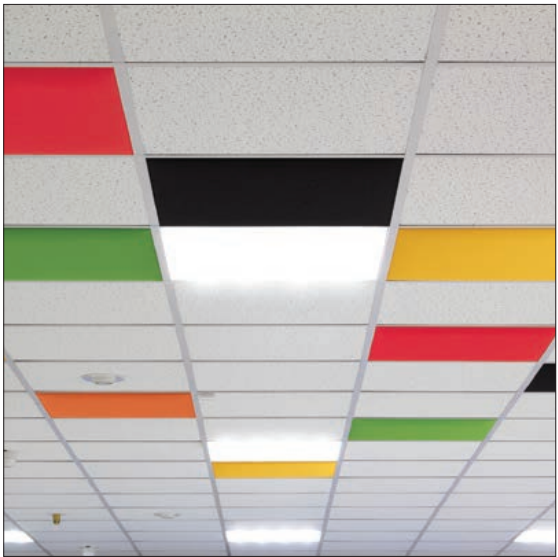
Design **Snowsound Lab**
In

Design **Marc Sadler**
Pli Over

Design **Marc Sadler**
Pli

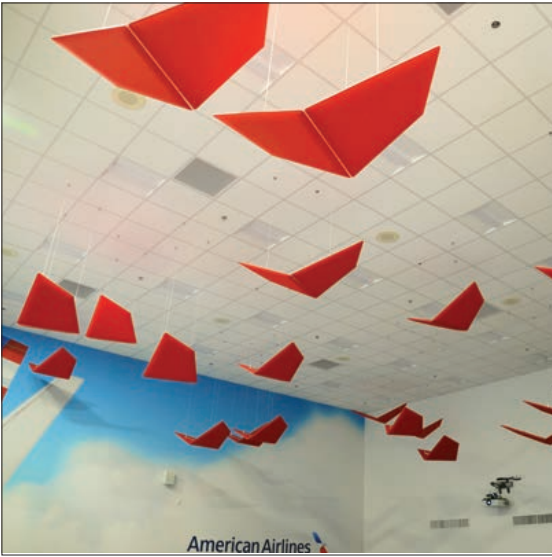Design **Marc Sadler**
Pli Oversize

Design **Alberto & Francesco Meda**
Flap

Design **Alberto & Francesco Meda**
Flap Wings

Design **Alberto & Francesco Meda**
Flap Chandelier/Chain

Design **Sezgin Aksu**
Giotto Wall

Design **Sezgin Aksu**
Giotto Ceiling/Lux

Design **Gillo Dorfles**
Snowsound Art

Snowsound Fiber Products

Design and Designers	• Sezgin Aksu • Alberto Meda & • Annalisa Dominoni & • Atelier Mendini Francesco Meda Benedetto Quaquaro • Moreno Ferrari
Research and Patents	PATENTED
Acoustic Performance	UNI EN ISO 354 (UNI EN ISO 11654) and ASTM C423
Greenguard Gold and UL Spot	GREENGUARD SPOT
Eco-Friendly	100% Recyclable RECYCLE
No Formaldehyde	No Formaldehyde UNI EN 717-2
Fire	Class A Flame Spread and Smoke Development UL 723, ASTM E84
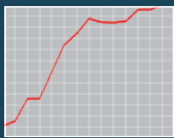
The patented Snowsound Fiber technology is based on soft interwoven polyester acoustic fibers that are inherently fire-resistant. The interaction between the special acoustic fibers and the design of the objects and the support systems help reduce annoying acoustic reverberation in rooms, while improving quality both of life and of work.

- **Fiber 3 –** Clasp Divider
- **Fiber 3 –** Sepa
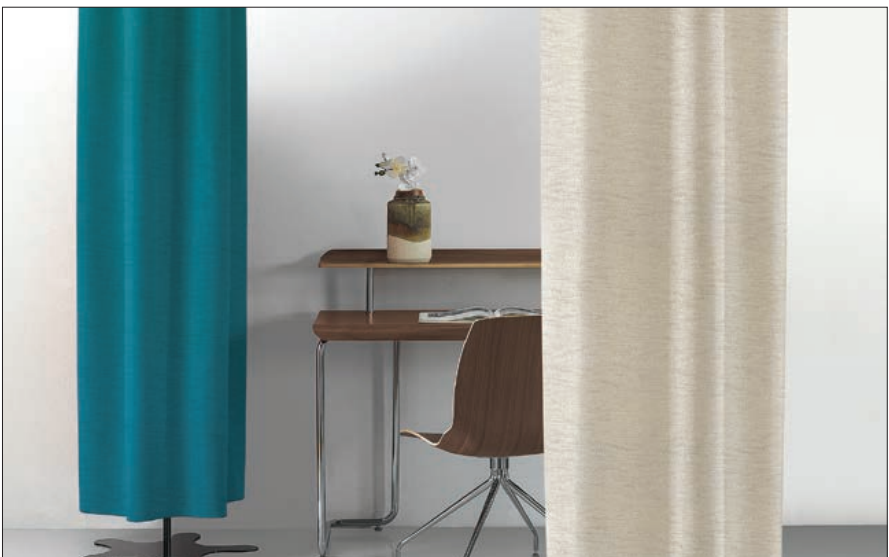- **Fiber 6 –** Diesis
- **Fiber 6 –** Si Sboccia

Design **Atelier Mendini**
Diesis

Design **Atelier Mendini**
Diesis

Design **Atelier Mendini**
Bemolle

Design **Atelier Mendini**
Bemolle

Design **Moreno Ferrari**
Si Sboccia

Design **Annalisa Dominoni & Benedetto Quaquaro**
Clasp Wall

Design **Annalisa Dominoni & Benedetto Quaquaro**
Clasp Divider

Design **Sezgin Aksu**
Sepa/Sepa Rolls

Snowsound Fiber Textiles

The patented Snowsound Fiber technology is based on soft interwoven polyester acoustic fibers that are inherently fire-resistant. The interaction between Snowsound Fiber and air allows controlling reverberation while adjusting the environment's acoustics with precision taking advantage of installation modes, product's surface and distance from the wall. This reduces the annoying acoustic reverberation improving quality both of life and of work.

The Collection

Fiber 1 Color

Fiber 2 Line

Fiber 2R Line-R

Fiber 3 Melange

Fiber 6 Velvet

Fiber 8 Bouclé

PRODUCT: FIBER 3 MELANGE

PRODUCT: FIBER 6 VELVET

PRODUCT: FIBER 6 VELVET

PRODUCT: FIBER 3 MELANGE

PRODUCT: FIBER 3 MELANGE

PRODUCT: FIBER 3 MELANGE, FIBER 2 LINE

PRODUCT: FIBER 1 COLOR

PRODUCT: FIBER 2 LINE

Office & Workplace

PRODUCT: FLAP

PRODUCT: FLAT

PRODUCT: MINIMAL

PRODUCT: BLADE

PRODUCT: BOTANICA

PRODUCT: CLASP WALL

PRODUCT: FLAP & SNOWFRONT

PRODUCT: FLAT

PRODUCT: BOTANICA

PRODUCT: CLASP DIVIDER

PRODUCT: BAFFLE

Office & Workplace

PRODUCT: MITESCO

PRODUCT: SNOWFIX & GIOTTO WALL

PRODUCT: OVERSIZE

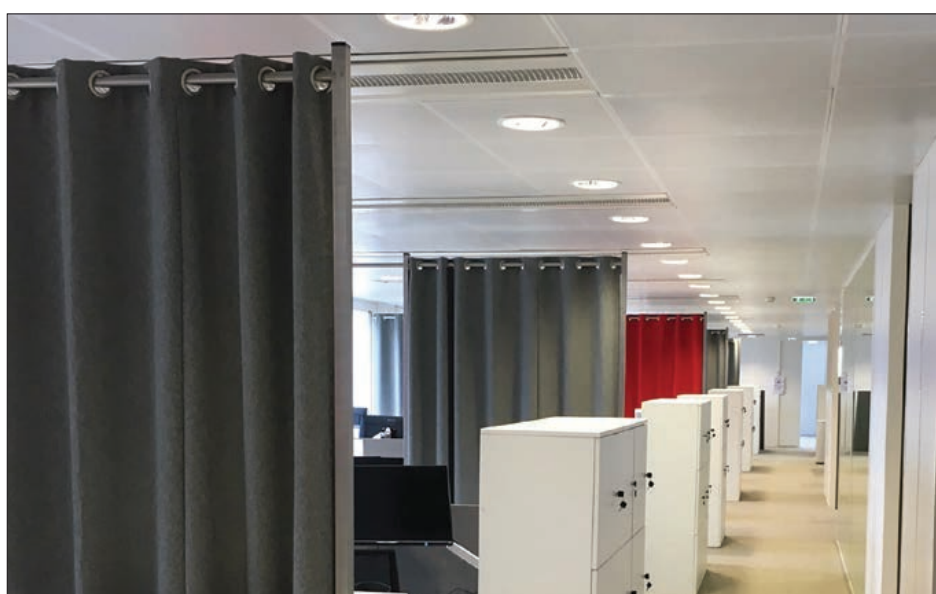PRODUCT: FLAP CHANDELIER

PRODUCT: BAFFLE OVERSIZE

PRODUCT: MITESCO

PRODUCT: FLAT & FLAT TOTEM

PRODUCT: SNOWSOUND FIBER 3
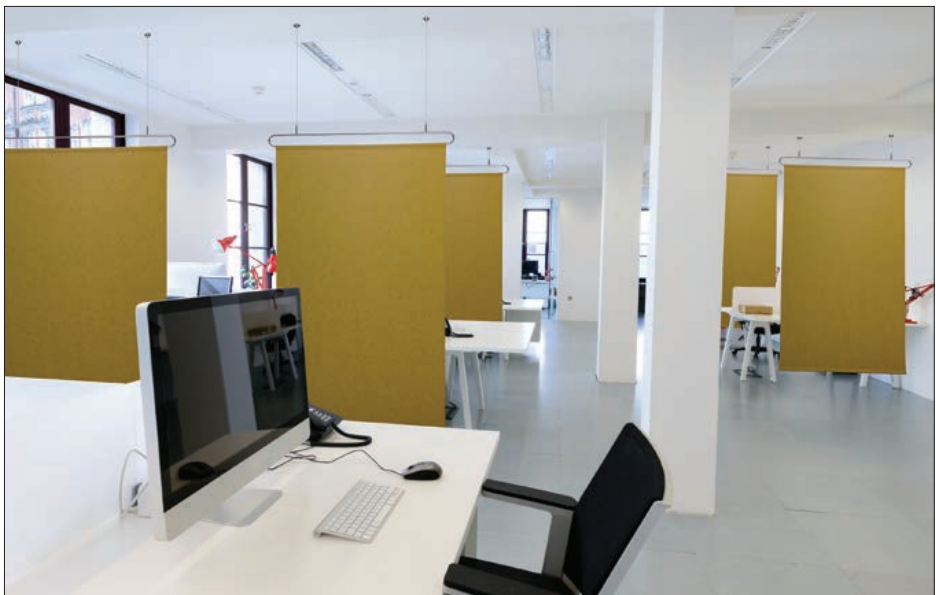

PRODUCT: TRA LIGHT & OVERSIZE WALL

PRODUCT: MITESCO
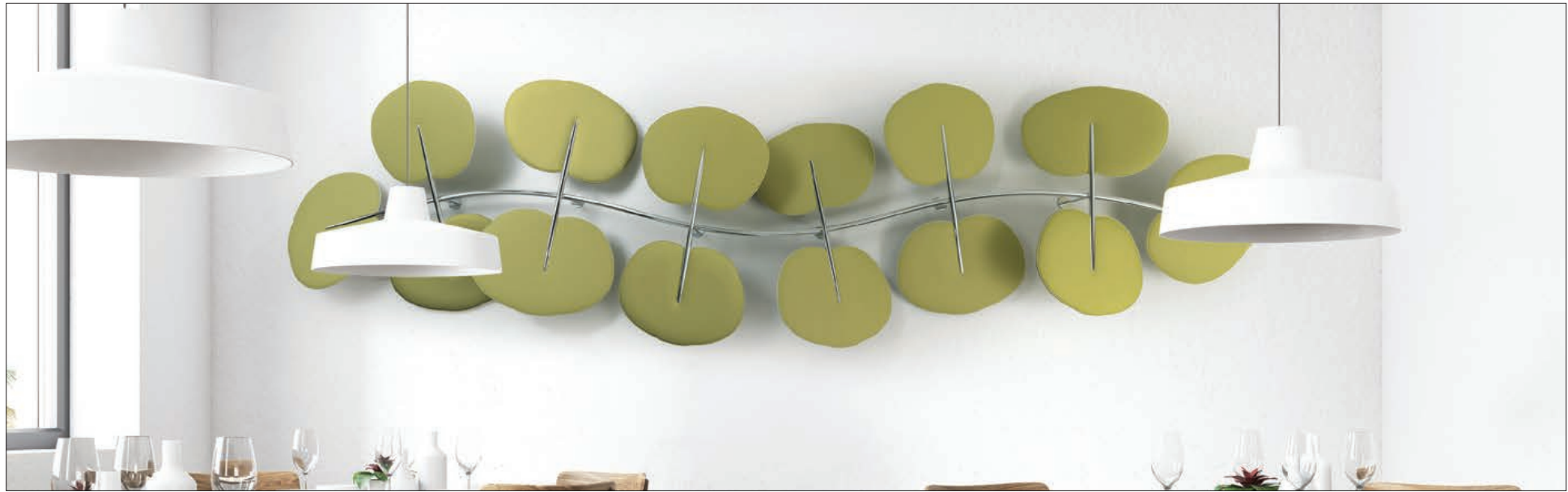

PRODUCT: PLI OVER

PRODUCT: FLAT

PRODUCT: CLASP CEILING

Restaurants, Cafès & Hotels

PRODUCT: BOTANICA

PRODUCT: FLAP

PRODUCT: BAFFLE

PRODUCT: BAFFLE

PRODUCT: FLAP CHANDELIER

PRODUCT: FLAP CHANDELIER

PRODUCT: DIESIS

PRODUCT: BAFFLE

PRODUCT: OVERSIZE & SNOWSOUND FIBER 3

PRODUCT: OVERSIZE WALL

PRODUCT: SI SBOCCIA

PRODUCT: MITESCO

Public Spaces & Museums
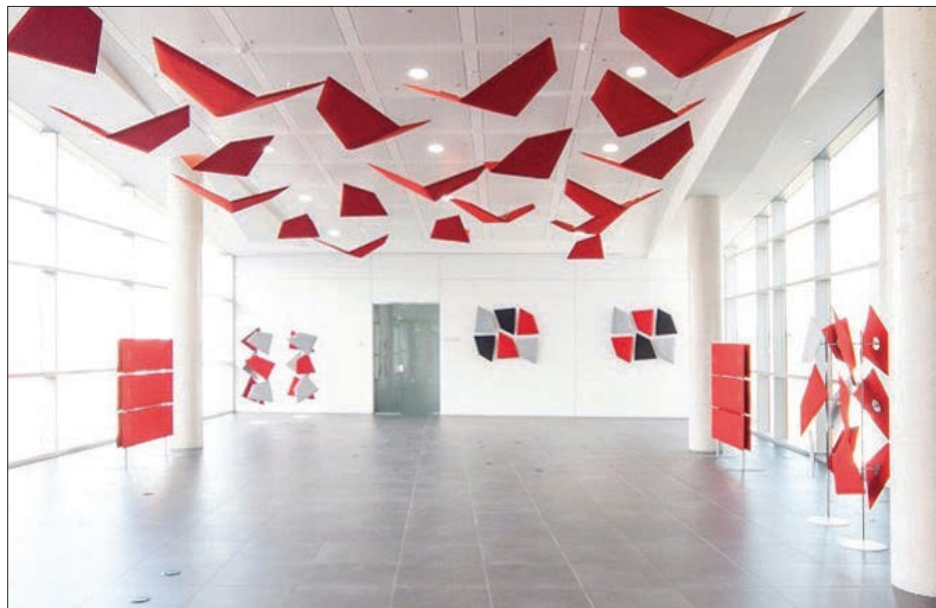

PRODUCT: BAFFLE

PRODUCT: CLASP CEILING

PRODUCT: BAFFLE

PRODUCT: GIOTTO

PRODUCT: FLAP, FLAP TOTEM, FLAP WINGS & MITESCO DIVIDER

PRODUCT: BAFFLE

Education & Schools

PRODUCT: IN & MITESCO

PRODUCT: BAFFLE & FLAP

PRODUCT: FLAP

PRODUCT: FLAP & FLAP CHANDELIER

PRODUCT: IN & MITESCO

PRODUCT: MITESCO
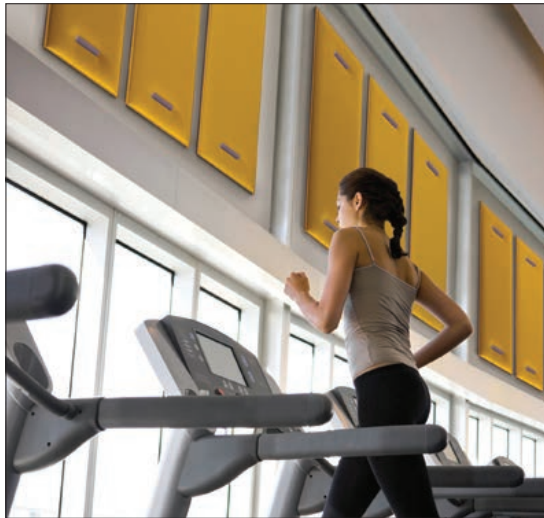
Retail & Leisure

PRODUCT: BEMOLLE & DIESIS

PRODUCT: FLAP

PRODUCT: MITESCO

PRODUCT: MITESCO

PRODUCT: CLASP DIVIDER

Audio & Music

PRODUCT: FLAP

PRODUCT: FLAP & MITESCO

PRODUCT: MITESCO & FIBER 3

PRODUCT: MITESCO

PRODUCT: OVERSIZE, MITESCO & FIBER 3

PRODUCT: CORISTA

Home

PRODUCT: BOTANICA

PRODUCT: SNOWSOUND ART

PRODUCT: FLAP

PRODUCT: BOTANICA

PRODUCT: FLAP WINGS

PRODUCT: SNOWSOUND ART & SNOWFIX
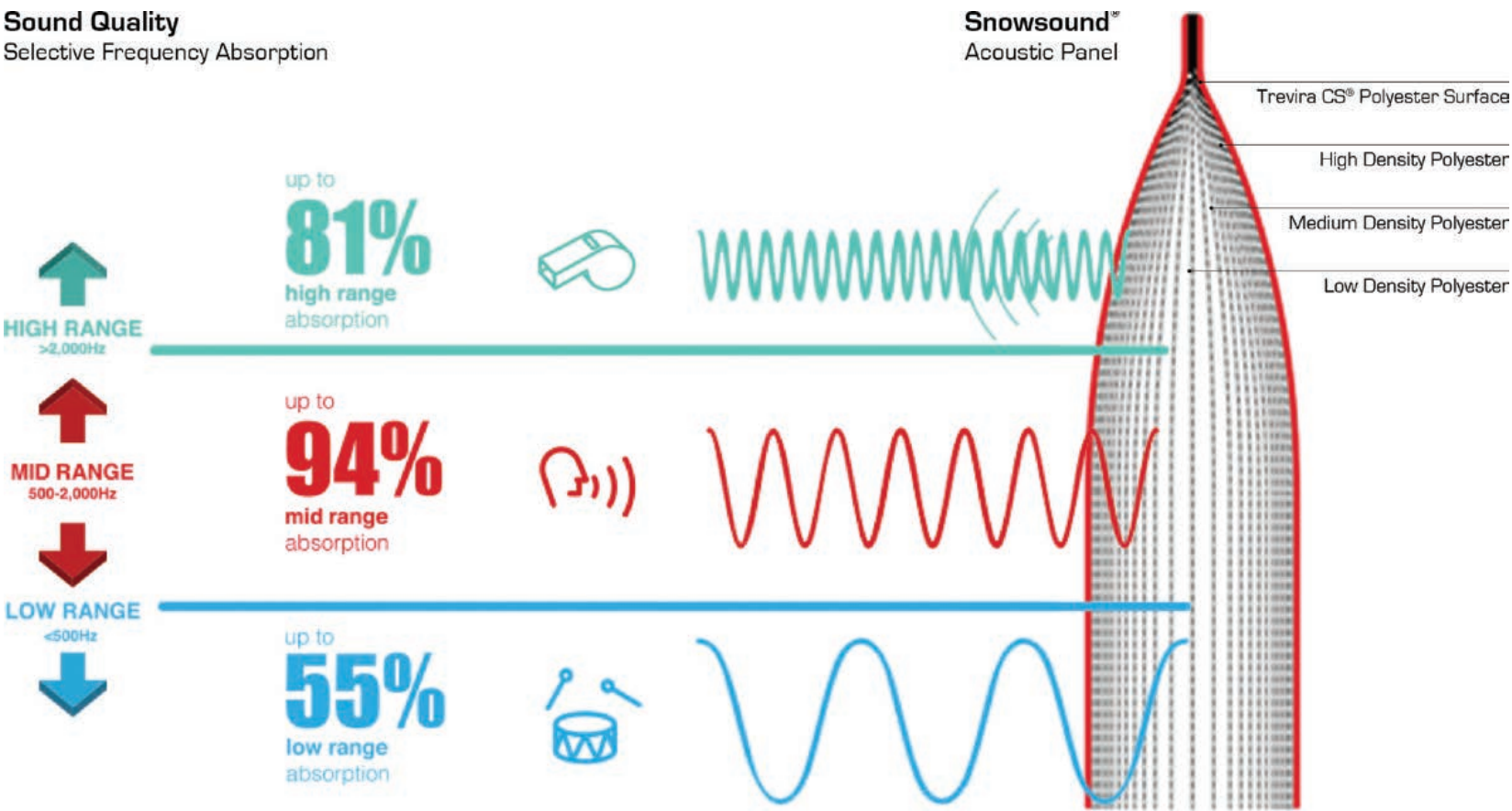
Snowsound Awards

30 AWARDS

The technological innovations of Snowsound and the design of products made with these special technologies have achieved major world recognitions. Among other honors, in the United States Snowsound was awarded the "International CES Innovations Design and Engineering Awards," considered the most prestigious award for innovation in the field of electronics and audio/video, the Compasso d'Oro award and the DesignEuropa Awards by EUIPO (European Union Intellectual Property Office).

Technology

Sound is formed by waves that tend to be reflected from solid surfaces having limited absorption capacity such as, for example, concrete, marble or glass. In rooms made with these types of materials, often very annoying echoes and reverberations can be created, making it difficult to listen and converse in comfort. Sound absorbing materials are created from the need to improve acoustics in these environments. The sound absorbing characteristics of traditional products tend to demonstrate less capacity to absorb low frequencies (below 500 Hz), progressively more regarding the midrange (between 500 and 2,000 Hz) and to a greater extent with regard to the high frequencies (above 2,000 Hz).

Sound Quality
Selective Frequency Absorption

Snowsound® Acoustic Panel
- Trevira CS® Polyester Surface
- High Density Polyester
- Medium Density Polyester
- Low Density Polyester

HIGH RANGE >2,000Hz — up to **81%** high range absorption

MID RANGE 500-2,000Hz — up to **94%** mid range absorption

LOW RANGE <500Hz — up to **55%** low range absorption

SNOWSOUND®
Acoustic Technology & Design