

SNOWSOUND TECHNOLOGY

INDEX

- **AVAILABLE SIZES**

- **TECHNICAL SPECIFICATIONS**

- 1 - SNOWSOUND TECHNOLOGY
- 2 - ACOUSTIC COMFORT
- 3 - "A" CLASS (norm UNI EN ISO 354)
- 4 - SOUND QUALITY (norm UNI EN ISO 10534-2)
- 5 - DECIBELS REDUCTION (norm ISO 10053)
- 6 - REACTION TO FIRE (norm EN13501-1:2009)
- 7 - EXTREME CONDITIONS (norm UNI EN ISO 9142:2004)
- 8 - GREENGUARD (GOLD certification)
- 9 - CE MARKING (norm EN 13964, regulations 305/2011/UE)
- 10 - 100% RECYCLABLE
- 11 - NO FORMALDEHYDE (norm UNI EN 717-2)
- 12 - ABSENCE OF CAVITIES
- 13 - 100% SOUND ABSORBING
- 14 - DOUBLE-SIDE
- 15 - HYGIENE & MAINTENANCE
- 16 - FLEXIBILITY
- 17 - ONE TECHNOLOGY, MANY SOLUTIONS

- **SNOWSOUND DIVISION**

- 18 - CAIMI BREVETTI since 1949
- 19 - RESEARCH & PATENTS
- 20 - DESIGN & DESIGNERS

- **AWARDS**

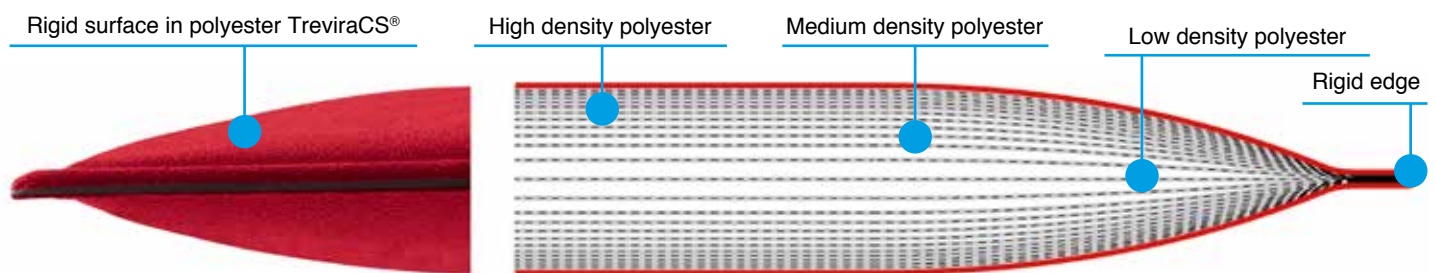
AVAILABLE SIZES

PRODUCTS	SIZES	m ²
MITESCO	159 X 44 cm	0,70
	119 X 44 cm	0,42
	75 X 44 cm	0,33
FLAP	flap	0,19
	maxiflap	0,35
	V-flap	0,70
OVERSIZE	159 x 119 cm	1,89
	119 x 119 cm	1,42
OVERSIZE DESK	159 x 119 cm	1,89
	119 x 119 cm	1,42
	119 x 59 cm	0,70
PLI OVERSIZE	159 x 119 cm	1,89
	119 x 119 cm	1,42
	159 x 59 cm	0,94
	119 x 59 cm	0,70
PLI	159 x 59 cm	0,94
	119 x 59 cm	0,70
PLI DESK	119 x 59 cm	0,70
	75 x 59 cm	0,44
	59 x 59 cm	0,35
BLADE	159 x 59 cm	0,94
CORISTA	159 x 44 cm	0,70

PRODUCTS	SIZES	m ²	
SNOWFRONT	159 x 59 cm	0,94	
	119 x 59 cm	0,70	
	75 x 59 cm	0,44	
	59 x 59 cm	0,35	
CORNER	159 x 59 cm	0,94	
	119 x 59 cm	0,70	
	75 x 59 cm	0,44	
	59 x 59 cm	0,35	
	179 x 44 cm	0,79	
	159 x 44 cm	0,70	
CORNER	139 x 44 cm	0,61	
	75 x 44 cm	0,33	
	BAFFLE	159 x 59 cm	0,94
		119 x 59 cm	0,70
75 x 59 cm		0,44	
59 x 59 cm		0,35	
39 x 59 cm		0,23	
TRA	159 x 59 cm	0,94	
	119 x 59 cm	0,70	
	75 x 59 cm	0,44	
	59 x 59 cm	0,35	
IN	119 x 59 cm	0,70	
	59 x 59 cm	0,35	

1 - SNOWSOUND TECHNOLOGY

The brilliant intuition at the heart of Snowsound patented technology is based on the use of panels composed of material with variable densities, which achieve selective absorption at different frequencies and thus optimise the acoustical environment notwithstanding the thinness of the panels. The absence of frames and seams and the unusual characteristics of the material in the fabrication of the panels, render them extremely light (averaging 3.4 Kg per m²), unobtrusive and adaptable to any environment.



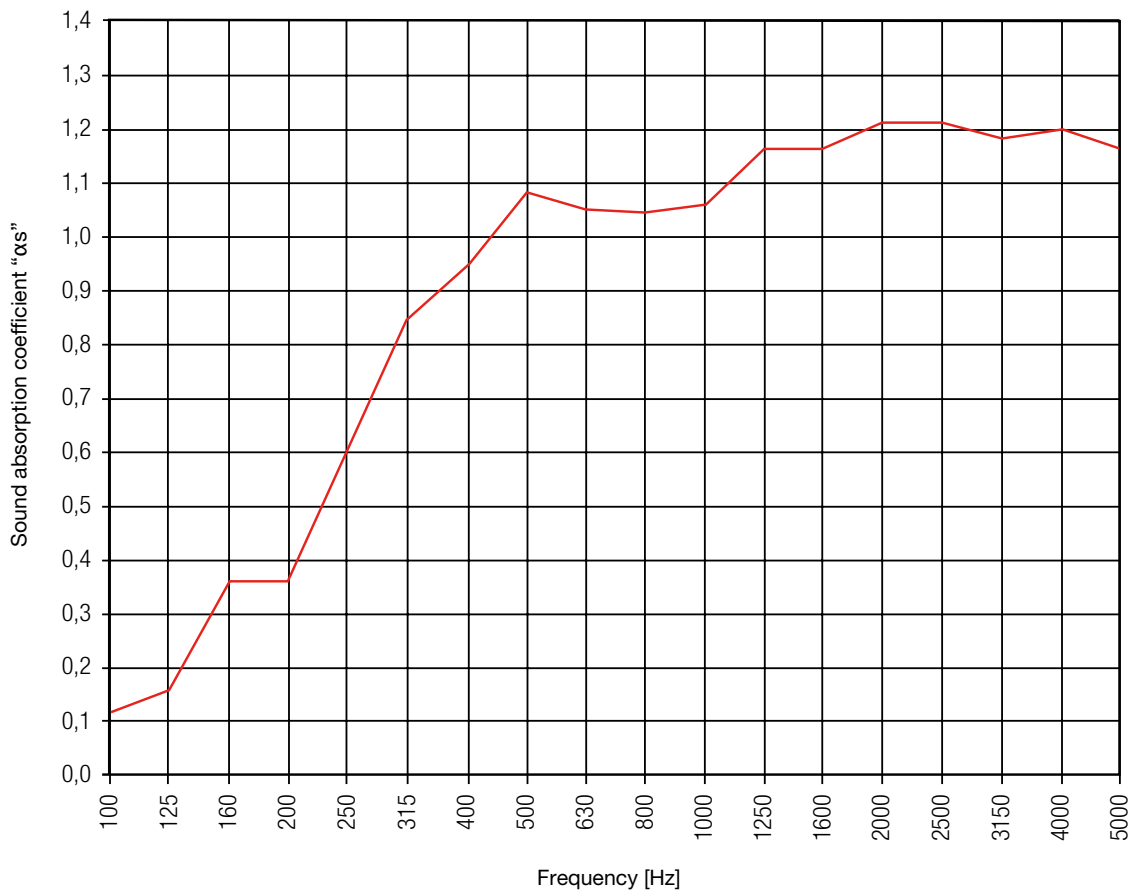
2 - ACOUSTIC COMFORT

Snowsound technology attains acoustic correction easily and quickly, in new areas as well as in existing spaces. The need to live and work in quiet spaces, reducing the annoying acoustic reverberation, is finally met with these innovative products ideal for resolving a variety of needs.



3 - CLASSE "A" - norma UNI EN ISO 354

The panels were tested in a reverberation room according to UNI EN ISO 354 standards obtaining "Class A sound absorption" to UNI EN ISO 11654 standards.

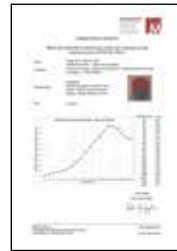
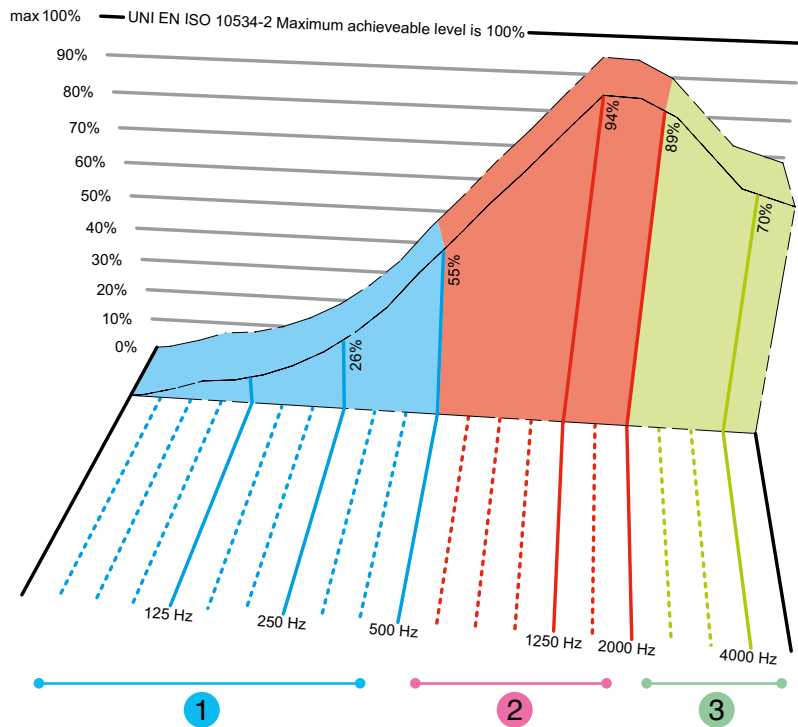


UNI EN ISO 354 measures sound-absorbing power in a reverberation room (panels installed side by side and with an 200 mm rear air space).

4 - SOUND QUALITY - norm UNI EN ISO 10534-2

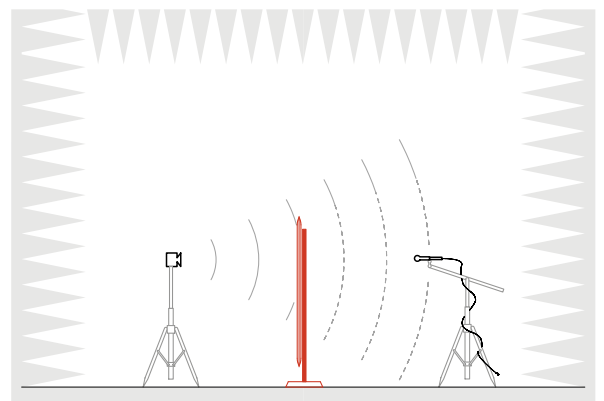
The graphics shows how acoustic panels, using Snowsound technology, affect the acoustics of a room:

1. notwithstanding the reduced thickness they do relatively well in absorbing the low frequencies (below 500 Hz), those that characterise deep sounds that are normally more difficult to dampen;
 2. they absorb very well the midrange frequencies (between 500 and 2,000 Hz), those typical of the human voice and generally in all workplaces;
 3. they tend to reflect, gradually absorbing less of the high frequencies (above 2,000 Hz), those which by their nature are already in large part absorbed by the walls, the furnishings and by the very presence of people.
- The result thus obtained is a comprehensive, natural balance of sounds in the environment.



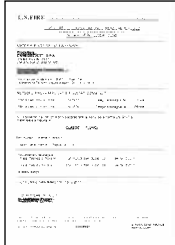
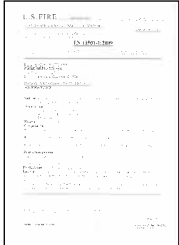
5 - DECIBELS REDUCTION - norm ISO 10053

Snowsound technology was tested in the semi-anechoic lab at the University of Ferrara to measure the sound attenuation according to the ISO 10053 standard. The measurements were conducted with variety of configurations and demonstrate Snowsound significant capacity for sound attenuation. Performance was recorded at the various frequencies. The results of the tests represent another important design tool available to industry professionals.



6 - REACTION TO FIRE - norm EN 13501-1:2009

The single material panel in its entirety, external fabric and soundabsorbing interior material, has **Italian Class 1** and **Euroclass B-s2, d0** classification as to reaction to fire. The tests were done on finished panels, composed of sound-absorbing materials upholstered in fabric on both sides, as required by law. This type of product is not conducive to testing the upholstery and padding separately.



7 - EXTREME CONDITIONS - norm UNI EN ISO 9142:2004

To simulate the influence of the seasons on indoor environments, Snowsound panels are subjected to a cycle of extreme weather conditions according to ISO 9142 standards in a climate chamber at -20°C (-4°F) to $+70^{\circ}\text{C}$ ($+158^{\circ}\text{F}$) and humidity up to 90%.



-20°C

$+70^{\circ}\text{C}$

8 - GREENGUARD (GOLD certification)

Caimi's Snowsound products have recently received **GREENGUARD Gold Certification**, indicating that they are low-emitting products and do contribute to poor indoor air quality. Representative samples of products bearing the GREENGUARD Certification mark have been independently tested and certified that **they meet UL's rigorous third-party GREENGUARD Certification standards, which are among the most stringent in the world.**

To help reduce indoor air pollution, architects, designers, specifiers and building owners should choose materials and products which release the fewest possible pollutants (also known as low-emitting products). A great way to do this is by choosing products that are GREENGUARD Certified, which means they **have been screened for over 10,000 chemicals** and do not emit high levels of chemical pollutants.

GREENGUARD Gold Certified products offer stricter certification criteria for sensitive individuals, such as children and the elderly, and are ideal for use in schools and healthcare facilities.

GREENGUARD Certified products also contribute toward credits within the Indoor Environmental Quality section of the Leadership in Energy and Environmental Design (**LEED**) **Building Rating System.**

View Caimi's GREENGUARD Certified products on UL's Sustainable Product Guide.



Caimi Brevetti is a member of GBC Italia.



9 - CE MARKING

norm EN 13964, regulations 305/2011/EU

Snowsound panels, when hanging from the ceiling, all bear the CE mark, according to the harmonised technical specification EN 13964 for use as a suspended ceiling, to facilitate its sale in the European Community, pursuant to Regulation (EU) no. 305/2011. The testing and technical process that led to its CE marking ensures that the products meet quality and safety standards required by product regulations. The technical data sheets and the performance declaration provided with these types of products allow customer to assess and choose the best technical solution depending on the installation needs and requirements.



10 - 100% RECYCLABLE

In the designing of the panel the objective set was to obtain the entire recyclability of the product at the end of its useful life, in a manner both simple and rapid. For this reason, the panels have been made entirely of polyester; therefore they are “**single material**” and **100% recyclable** without the need of having to separate the outer fabric from the sound-absorbing inner material. Also, all components are made of single materials, plastic or metal and can be easily disassembled, thus permitting recycling the whole product at 100%. The use of high quality materials and processing, moreover, make it possible to obtain longer product usage life, resulting in reduced consumption of materials and energy.

- **The internal sound-absorbing material is produced with up to 30% recycled material.**
- **The panels do not contain felt or other organic materials which are difficult to recycle.**



TECHNICAL SPECIFICATIONS

11 - NO FORMALDEHYDE - norm UNI EN 717-2

The panels have no detectable formaldehyde contents, tested according to the UNI EN 717-2.



12 - ABSENCE OF CAVITIES

The absence of an airspace or cavity between the fabric and the sound-absorbing material significantly decreases the accumulation of dust, pollen or insect infestation.



13 - 100% SOUND ABSORBING ABSENCE OF FRAMES

The frameless design gives Snowsound panels a completely sound absorbing surface. The entire surface functions as acoustic correction; no other material is present to hinder its sound-absorbency or reflect part of the sound.



14 - DOUBLE-SIDE

The panels have the same aesthetic, acoustic and functional characteristics on both sides.

15 - HYGIENE & MAINTENANCE

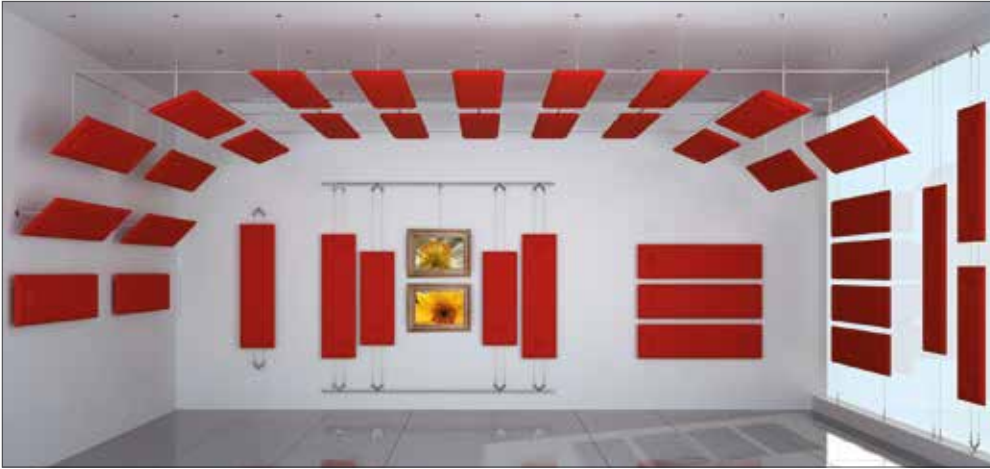
The seamless surface of the panel is easy to clean with appropriate detergents.



TECHNICAL SPECIFICATIONS

16 - FLEXIBILITY

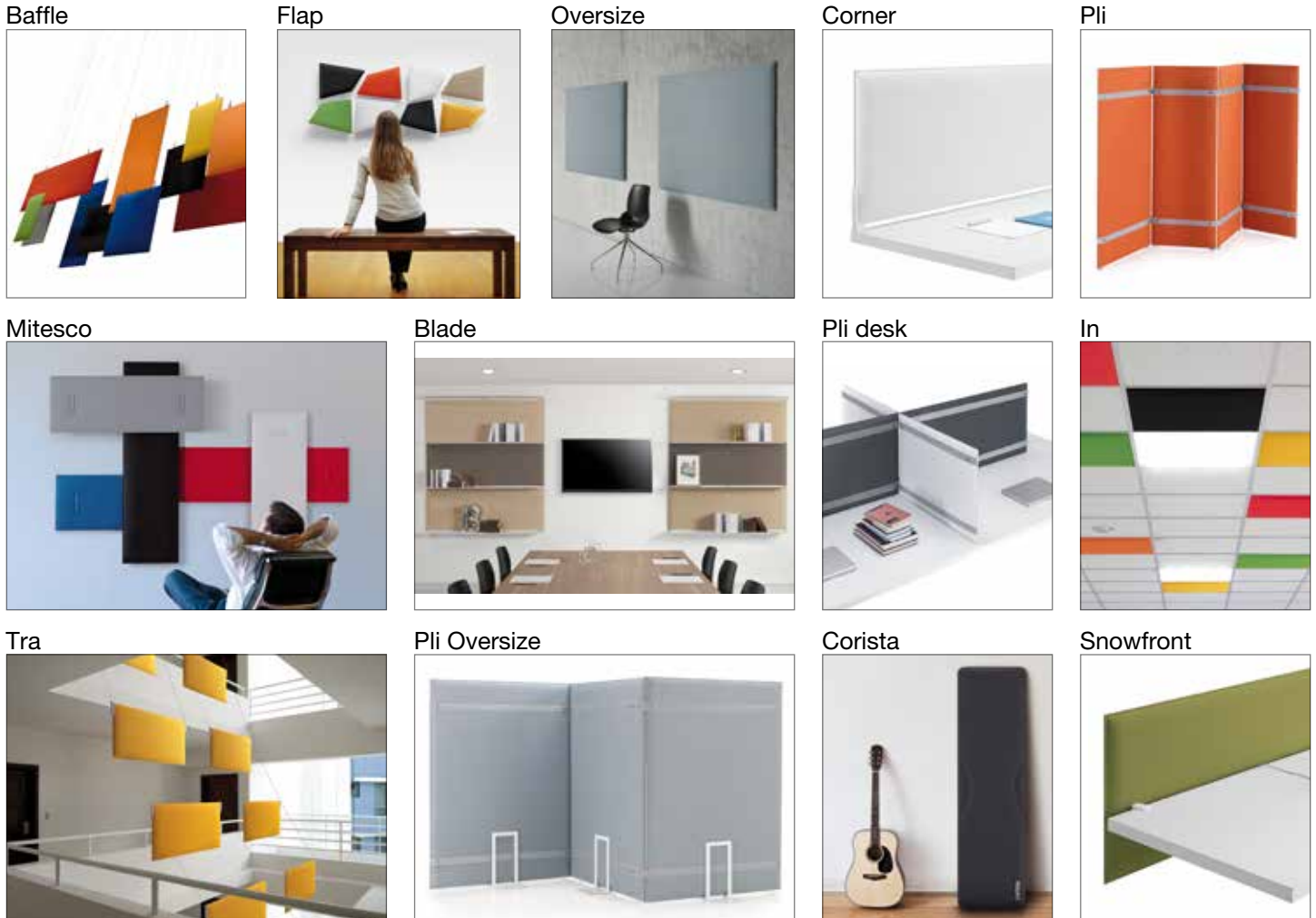
Relocate and move your home, bring along your furnishings, technological instruments and your acoustic correction. Snowsound panels, designed to be part of the decor, are easy to install and take down; they can follow you, adapt and be modified based on the spaces in which they will be located.



17 - ONE TECHNOLOGY, MANY SOLUTIONS

An array of acoustic problems, a single solution: Snowsound.

Many shapes, many colours, a large range of support systems with a single technology. Due to its ability to selectively absorb sound frequencies, Snowsound panels can solve a number of acoustic problems by incorporating other Snowsound products.



18 - CAIMI BREVETTI since 1949

Founded in 1949, Caimi Brevetti S.p.A. is one of the main design-oriented production realities in Europe in the sector of furniture and furnishings for the office and contract. To say Caimi Brevetti is to say experimentation with new materials and new industrial technologies with an eye turned not only toward improved productivity, but also to obtaining an ever minor impact on the environment as a result of workings producing less pollution and using recycled and recyclable materials. In this context, the patented acoustic panels systems and the Snowsound patented technology are joined to synthesize design, improve technical and functional performance, all conceived with the utmost respect for the environment. The multiplicity of initiatives of Caimi Brevetti in the fields of design and culture have carried it to the exposition of its products at exhibitions and in museums and led it to take a leading position receiving major awards, including the ADI Premio Compasso d'Oro [Golden Compass Award].



19 - RESEARCH & PATENTS

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



20 - DESIGN & DESIGNERS

Snowsound acoustic performance takes shape in projects by the great designers. Many shapes and colours are designed to be a visible and distinctive part of the project and to discreetly integrate into the rooms. Resolving acoustic problems, from the simplest to the most complex, with a complete range of products based on a single revolutionary technology is a totally innovative approach.



Alessandro Mendini
Francesco Mendini



Michele
De Lucchi



Marc Sadler



Alberto Meda
Francesco Meda



Sezgin Aksu



Lorenzo
Palmeri



Lorenzo
Damiani

15 AWARDS

The technological innovation of Snowsound and the design of products realised with this special technology have achieved major world recognitions. 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.



International CES
Innovations Design and Engineering
Awards
(U.S.A.)



Trophée de
l'Innovation
Bureaux Expo
(France)



ADI Design Index
(Italy)



Product Design
Awards
(United Arab Emirates)



German Design
Award
Flap
(Germany)



Best of NeoCon
Baffle. Pli
(U.S.A.)



German Design
Award
President
(Germany)



German Design
Award
Baffle
(Germany)



German Design
Award
Pli
(Germany)



Gran Design Etico
International Award
(Italy)



Product Innovation
Merit Award
(U.S.A.)



Ho.Re.Ca.
Innovazione
dell'anno
(Italy)



German Design
Award
Mitesco
(Germany)



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