

# TOO MUCH NOISE AT THE OFFICE

## TRY OUR PATENTED, NOISE CANCELLING OFFICE FURNITURE!

After years of research in two UK universities, our **desk separators, panels and booths** are lighter and thinner than traditional solutions. They are modular and, thanks to our patented technology, they **cancel noise** while letting light through.



## Office Application Ideas with Sonoblind®



Meta  onixx

ENGINEER YOUR SILENCE WITH OUR MATERIALS

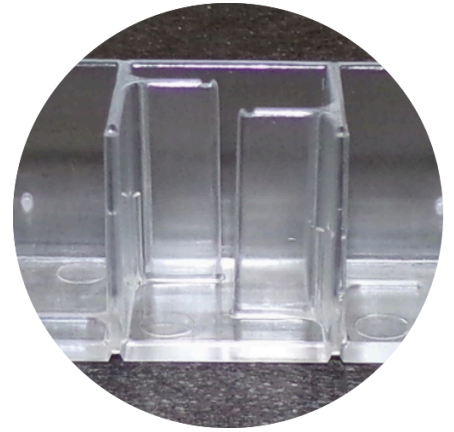
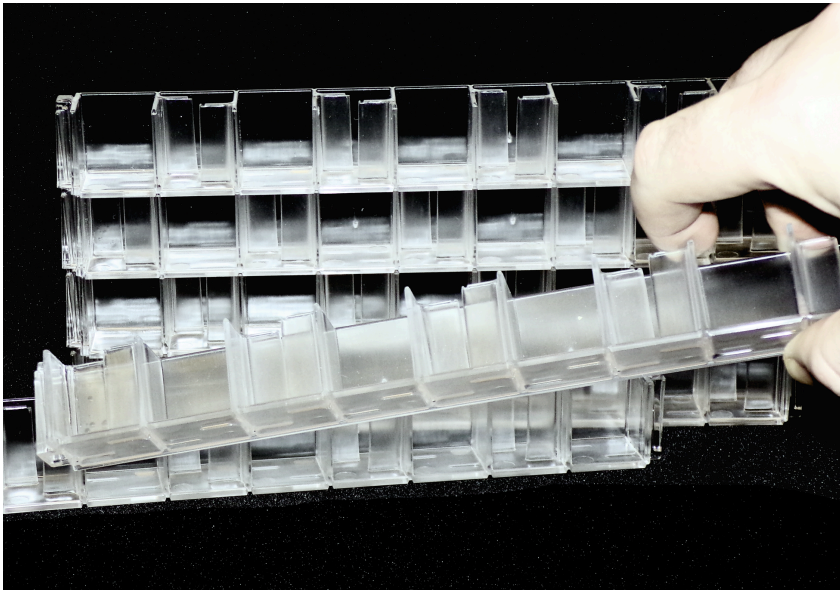
# Introducing SonoBlind®

## SonoBlind®

is the patented material inside our products.

Based on a technology called “acoustic metamaterials“, SonoBlind® takes its properties from its geometrical design, not its material chemistry.

**SonoBlind® cancels noise**, where traditional technologies absorb or reflect it. This makes it **superior** where space, weight, or **transparency to light** are crucial.



### Modular

Our products are assembled from smaller parts, with the ease used for children's construction blocks. So they can be easily made in the size and shape you need.

### Broadband

Our materials cover a large part of the audible spectrum, including the lower frequencies that traditional solutions cannot cope with.... and using minimal space.

### Lightweight

Traditional solutions for dealing with noise use mass or absorbers to reduce the sound. We carve out mass instead, even allowing for lightweight designs that maintain high acoustic performance.

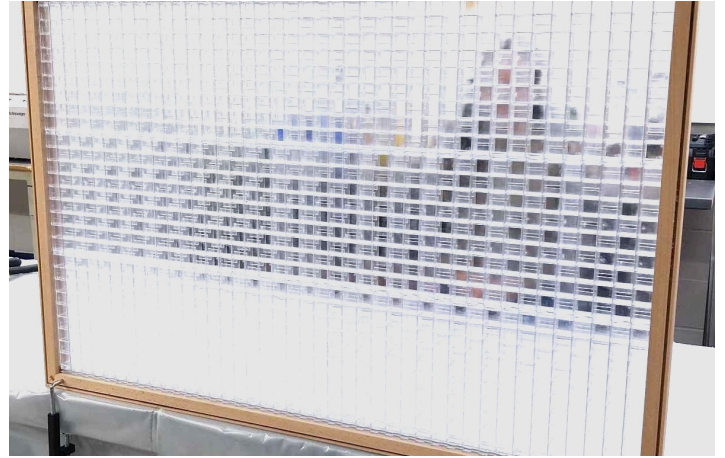
### Passive

Our devices don't require power: they can be applied wherever they are needed and removed afterwards.

**SonoBlind® is optimised for open offices, but also offers a ground breaking solution in homes and industrial sites**



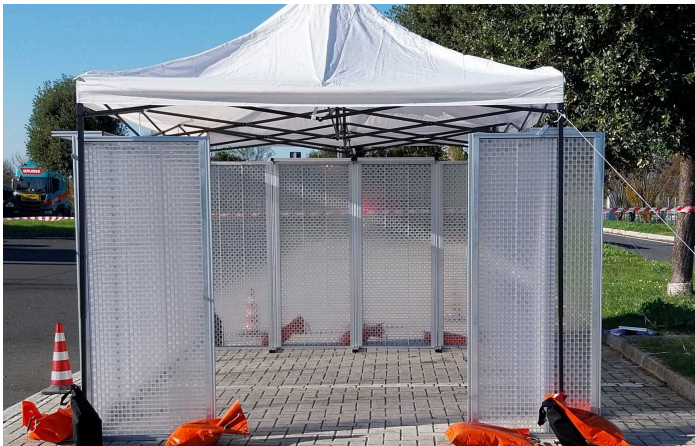
# USERS WORLDWIDE



## CREATIVE OFFICES



## EXHIBITIONS

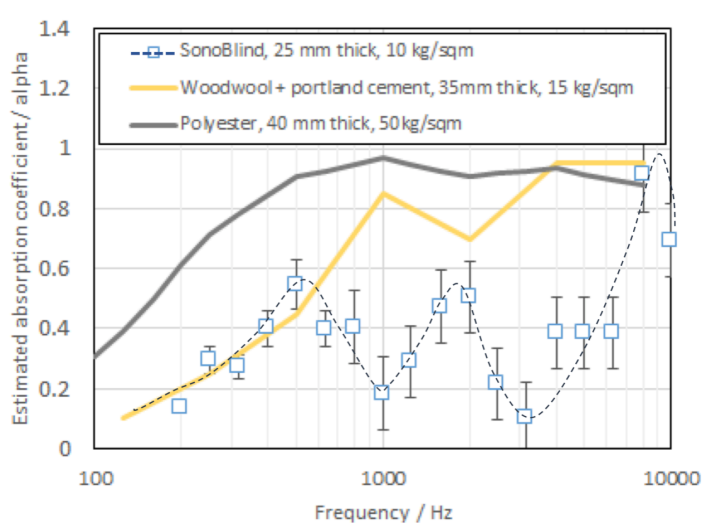
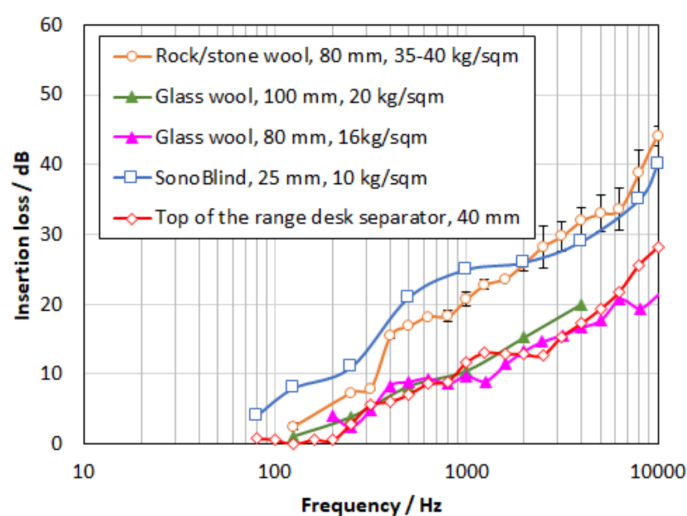


## INDUSTRIAL SITES

## HOSPITALS

# ACOUSTIC PERFORMANCE

The figures compare the insertion loss and absorption with some commercial solutions; the insertion loss was measured using ISO 7235:2003, and the absorption measurements follow ISO 354:2003.



Acoustic performance is defined in terms of:

- Insertion Loss (ISO 7235:2003), which measures the attenuation of sound going through a panel, where an insertion loss of 25 dB corresponds to a 95% reduction.
- Absorption coefficient (ISO 354:2003), which measures the reduction of reverberations due to a panel, where a value  $\alpha = 1$  corresponds to 100% reduction.

## Insertion loss (dB)

Frequency [Hz]	80	125	250	500	1k	2k	4k	8k	10k
SonoBlind® (thickness: 2.5 cm)	4	8	11	21	25	26	29	35	40

This table shows that separators made with SonoBlind® are superior to the ones made with traditional materials used in offices. In addition, while 2.5 cm of SonoBlind® are equivalent to 4 cm of wood or 8 cm of high-density rock wool above 2000 Hz, SonoBlind® has a superior performance below 1000 Hz.

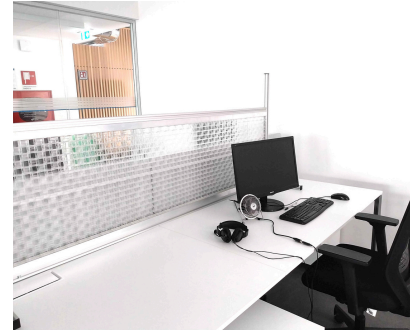
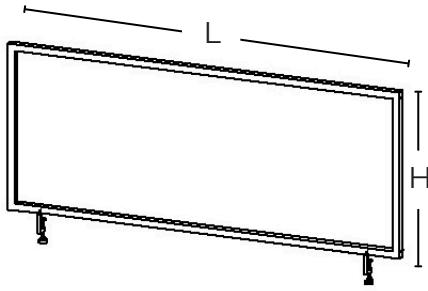
## Absorption coefficient ( $\alpha$ )

Frequency [Hz]	80	125	250	500	1k	2k	4k	8k	10k
SonoBlind® (thickness: 2.5 cm)	0.10	0.10	0.24	0.45	0.31	0.40	0.29	0.91	0.92

This table shows that a 2.5 cm SonoBlind® panel contributes to reducing reverberation mostly at the frequencies characteristic of speech, without creating a dull environment. Below 500 Hz, its absorption coefficient is the same of a wood wool panel of thickness 3.5 cm.

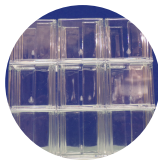


# CUSTOMISE YOUR SONOBLIND®

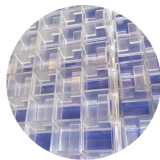


Standard sizes	Model 1	Model 2	Model 3	Model 4	Model 5 (on wheels)
H in cm	80	80	80	80	196
L in cm	80	120	160	180	80

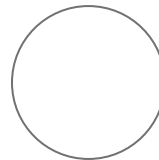
## Material appearance for other colours please contact us



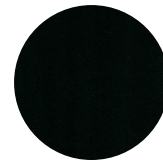
transparent



semi transparent



white



black

## Frame



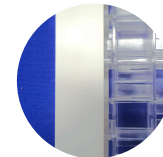
wood



wood for fabric covering



metal

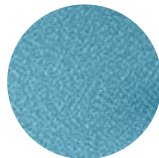


white PVC

## Cover fabric



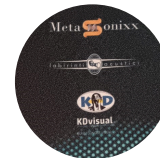
black



blue



white



branded  
(with your design)

All products are made in flame-retardant recyclable plastic

## GET IN TOUCH!



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Metasonixx Ltd

### Other Application Ideas with Sonoblind®



### Also Ask Us About

#### SonoBlind Air®

for cancelling noise while keeping airflow

#### SonoFlow®

for managing air conditioning noise



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<https://metasonixx.uk/>



The Business  
Start Up 2024  
Award



European  
Commission  
Horizon 2020  
European Union funding  
for Research & Innovation



OUR AWARDS