



# Room for superior hearing

*A new listening environment*







# Good acoustics make a difference

High ceilings, glass, concrete, metal: hard materials and paperless offices in place of carpets, curtains and bookcases. Wherever you look and wherever you go, every room has its own sound. And that **sound has an effect**, even though we are not always aware of it.

Have you ever noticed it yourself? Telephone callers you can barely hear. Loud male voices, the clicking of the keyboard on the neighboring desk, a hard, fatiguing wall of background noise. **What a difference the right acoustics make:** when music fills a concert hall, sounds carry over long distances or you can hear the rustling of bracken in the woods.

Well-being versus constant nuisance, a pleasant atmosphere versus mounting stress: acoustics make a difference. The extent to which an environment is **productive and beneficial** – or whether it is actually inefficient and obstructive – depends significantly on the room's sound and the acoustical atmosphere.

*Peaceful surroundings for concentrating workers*

*Transparent sound for music lovers*



# Hear more clearly, speak more clearly – communicate better

## Sound Butler from Phoneon optimizes your acoustics:

- Greatly improves speech intelligibility
- Significantly reduces reverberation time
- Effective even in the bass range
- Eliminates undesirable reverberation and resonance effects
- Creates a pleasant acoustical atmosphere

## Hear more clearly

Important telephone conferences, discussions with employees, client negotiations: hearing people more clearly frees you to concentrate on essentials.

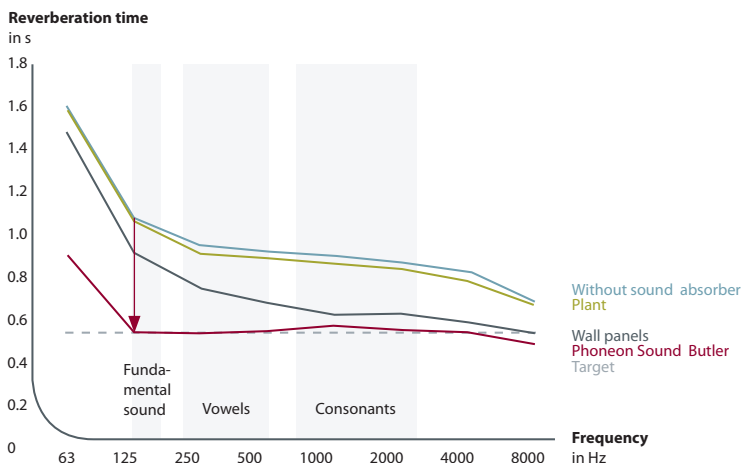
## Speak more clearly

Your meeting, phone call, presentation: you can speak more clearly without interference nuisance and background noise.

## Communicate better

In the Council chamber, auditorium, office, or even on stage: if you listen harder and speak more clearly yourself, your communication will run smoothly. The result is a harmonious and pleasant atmosphere, with all those present reaching a better understanding.

**Increase your chances of successful communication. Create an efficient atmosphere for yourself, your employees and everyone else you talk to.**



## Spectroscopic measurements show just how highly effective our products are:

- Significantly reduced reverberation time
- Resonance absorption mechanism eliminates the resonances that dominate acoustics in medium-sized rooms
- Effective even in the bass range below 300 Hz (male voices, cars starting) where conventional panel-type solutions fail (ceiling panels, wall panels, partitions).

Example: Conference room of 25m<sup>2</sup>, 2.90m in height  
Furniture: table, 6 chairs, parquet floor, no curtains

**Measurable hearing experience – Sound Butler increases speech intelligibility:**

- Double the effectiveness of conventional products
- First ever sound absorber to eliminate resonance nuisance
- Damps background noise even in the bass range

**Sound Butler solves your acoustical problem:**

- Broad-band range of high effectiveness
- Eliminates resonances
- Space-saving
- No assembly
- Attractive design

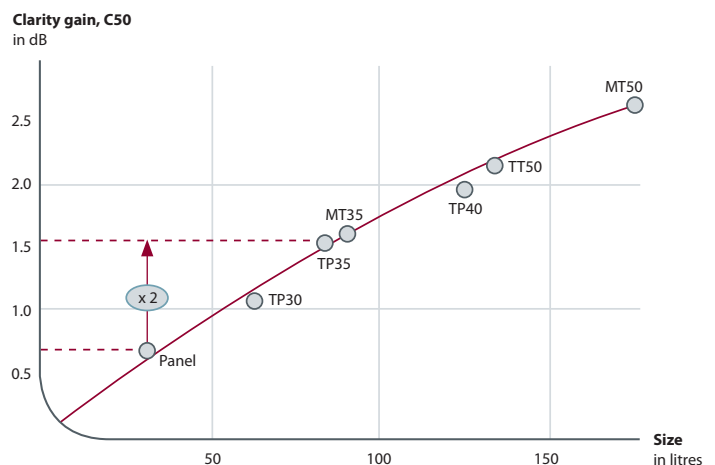
**Resonances and bass sounds**

Particularly in medium-sized rooms, resonances dominate the acoustics: the room vibrates like a musical instrument. These resonances lie in the bass range, at the pitch of most men’s voices. If you are lucky they sound surprisingly sonorous, mostly, however, they become unpleasantly loud. Sound Butler is effective into the bass range and eliminates undesirable resonances.

**Measurement of speech intelligibility in a 25m<sup>2</sup> conference room, 2.90m in height: the effect is scaled by the sound absorber volume**

**Typical frequencies**

Birdsong	2000Hz
Female voice	250Hz
Male voice	150Hz
Car starting	50 - 300Hz



# Sound Butler creates pleasanter acoustics

*Actively shape your acoustical environment with Sound Butler. Optimize your most important rooms by balancing them acoustically, to create an efficient atmosphere for yourself, your employees, colleagues and customers.*

## Phoneon Sound Butler models

**t-box** with textile covering:

- TP30: 30 x 30 x 110 cm
- TP35: 35 x 35 x 110 cm
- TT50: 50 x 50 x 75 cm

**m-box** in chrome metallic look:

- MT35: 35 x 35 x 75 cm
- MT50: 50 x 50 x 75 cm

**t-cube, t-wall** on request

## Colors

Sound Butler is available in 8 colors. Tuck it discretely into the background, or make it a focal point: with Sound Butler, you can create visual highlights and design accents that set off elegant surroundings to the best effect.

## Room size table

Room size	Recommendation for 3m height*
15 m <sup>2</sup>	1 x t-box TP30
20 m <sup>2</sup>	2 x t-box TP30 or 1 x t-box TP35
25 m <sup>2</sup>	2 x t-box TP35 or 1 x m-box MT50
30 m <sup>2</sup>	2 x t-box TP35 or 2 x m-box MT35
45 m <sup>2</sup>	3 x t-box TP35 or 3 x m-box MT35
60 m <sup>2</sup>	4 x t-box TP35 or 4 x m-box MT35

\* Scaled by room volume  
Sound Butler works to optimum effect in rooms of up to 60m<sup>2</sup>.

Sound Butler requires no complicated installation or architectural modifications: just set it up and enjoy the attractive design.





*A working ambience for demanding people*

**Timeless design**

The restrained, minimalistic design of your Sound Butler adapts to any environment. Its clear-cut cubic form meets the highest aesthetic demands. It blends harmoniously with elegant offices in period buildings and modern office lofts alike.

**Made in Germany**

Sound Butler is manufactured in Germany using sustainable resources with a precision that you can depend on. Hand craftsmanship and the exclusive use of high-quality materials ensure that you will take lasting pleasure in your Sound Butler.



# Experience rooms with a new quality

*Framing a quality experience*

*Good acoustics have an effect on people. More highly motivated employees, more relaxed meeting participants, happier customers or a more productive self could be the result.*

## Examples of superior surround

- Elegant office in period building: 30m<sup>2</sup>, ceiling height 4.20m, parquet floor, desk, executive chair, couch, two armchairs, table, stucco ceiling, graphic print and contemporary painting on the end wall. – use 3 x TP35 model Sound Butlers, light grey
- Transparent room in a modern building with glass façade: 16m<sup>2</sup>, ceiling height 3m, stone floor, 4 glass walls, table, 8 chairs, sideboard. – use 2 x TP35 Sound Butlers, black
- Prestigious conference room in modern building: 45m<sup>2</sup>, ceiling height 5m, concrete, glass front, carpeted, 8 tables, 16 chairs. – use 6 x TP35 Sound Butlers, red







**Sound Butler ensures an acoustical balance for your rooms: enhance their quality in the office, conference room, lounge or at home:**

- Create a pleasant atmosphere –***  
concentrate and be productive at work, in discussions or at home
- Use it anywhere –***  
no installation, no assembly, no architectural modifications
- Ensure good looks –***  
with timeless, sophisticated design

**Experience the difference. Use Sound Butler.**

***Enabling productive meetings***

# For your Sound Butler sketches







*Sound Butler – for superior surround*

# Creating improved acoustics

## *Superior Surround*

**Look after yourself and others:  
create a pleasanter atmosphere for  
more effective communication.**

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Or talk to your dealer.

