

ecological product made of **recycled PET**  
lasting benefits • highly durable  
easy to maintain • highly resistant



# Acoustic panels Silentmax® Comfort in silence



Silentmax® acoustic panels reduce noise and undesired reverberation in the room. They absorb excess acoustic energy and reduce the acoustic load of the room.

**They bring acoustic comfort.** A quiet environment increases concentration and productivity.

**Excellent acoustic properties,** easy installation, great performance / price ratio. Silentmax® is ecologically made of recycled PET. It is maintenance-free, harmless to health, safe and colorfast. It does not retain odors, is chemically and mechanically resistant and is also non-flammable.

Excessive noise and echoes have been proven to increase stress and have an adverse effect on health.

Annoying echoes usually occur in areas with an excess of glass and hard, reflective materials.

Hard materials reflect sound as they absorb very little acoustic energy. Energy accumulates in such spaces and results in increased noise and greater levels of unwanted echoes.

## Acoustic picture

Create your own image. We can print Silentmax® panels with any motive while maintaining acoustic properties.

*Home, offices, classrooms, meeting rooms, restaurants, gyms, sports halls, waiting rooms, entrance halls, receptions and more.*



### Where to use it?

In modern, minimalist spaces, in classrooms, restaurants, offices. In short, wherever carpets and curtains are missing for practical or hygienic reasons and where there is an echo.

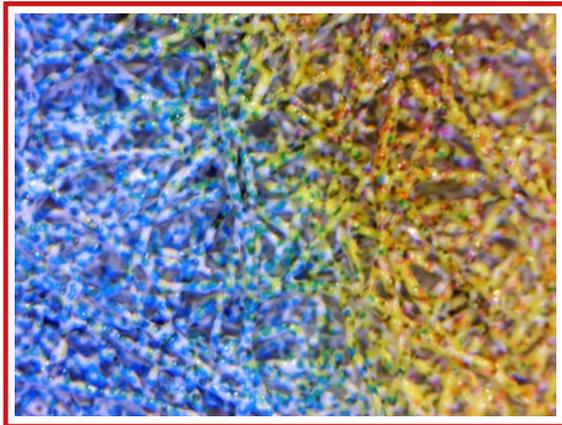
**Get rid of echoes with a practical and durable material with very high absorption of acoustic energy.**

**In addition, the acoustic image is a design element that fits into any interior.**



*Mozart: „The music is not hidden in the notes, but in the silence between them.“*

Among the benefits of Silentmax® acoustic panels are lasting added value in the context of a comfortable and modern environment.



Detail of color printing (2000x magnified under a microscope)

Design your own theme, company logo or photo on the Silentmax® panel. It improves acoustics, while at the same time functioning as an aesthetic accessory. Printing does not degrade the acoustic properties of the panel due to the high viscosity of the individual drops which perfectly encircle the fiber. The overall structure, even with the print, remains and acoustically active.



Get rid of echoes the easy way.

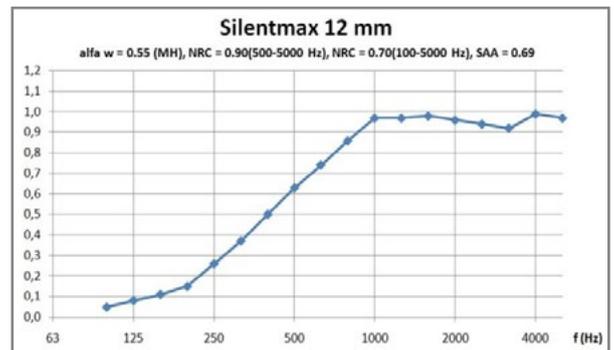
### Basic properties

Dimensions: 2440 mm x 1220 mm, thickness 12 mm  
 Weight: 6.9 Kg / panel (2.3 Kg / m<sup>2</sup>)  
 Dimensions can be easily adjusted using a knife.

### Sound absorption parameters

Excellent acoustic absorption in a very wide range of frequencies. NRC coefficient = 0.9  
 in the speech band 500 Hz to 5 kHz.

*Tested by the accredited laboratory ITC Zlín*



### Medical harmlessness

2011/65/EU does not contain heavy metals or phthalates.

*Tested by the accredited laboratory ITC Zlín.*

### Non-flammability

Reaction to fire ČSN EN 13501-1: 2019 is C-s1, d0.

*Tested by the CSI Institute of Civil Engineering in Prague.*



Acoustic comfort has been proven to increase environmental comfort, reduce stress and tension.

Get to know Silentmax® and relax in true silence.  
**Even a small proportion of acoustic material will significantly reduce the large echo.**

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