

SYSTEXX ACTIVE ACOUSTHERM

SAVES ENERGY, REDUCES NOISE



SYSTEXX 
by Vitruvan

THE INNOVATIVE GLASS FABRIC FOR WALLS AND CEILINGS

HUMAN COMFORT

PLEASANTLY WARM AND QUIET

Whether or not we feel comfortable in a particular room or situation depends on a number of different factors. Temperature and noise are particularly important. We usually find excessive heat, cold and noise unpleasant and disturbing. **A balanced indoor climate and optimum noise levels have a positive impact on our performance and on our ability to concentrate.** Of course, what we regard as a comfortable temperature varies from one person to another. In general, however, the less we move, the higher the temperature needs to be for us to feel comfortable. So, if we want to spend the evening on the sofa after work, being able to heat the living room quickly is a big advantage.

SYSTEMXX AcousTherm reduces reverberation and helps rooms warm up faster – creating a pleasant atmosphere in homes, offices, restaurants, hotels and schools.



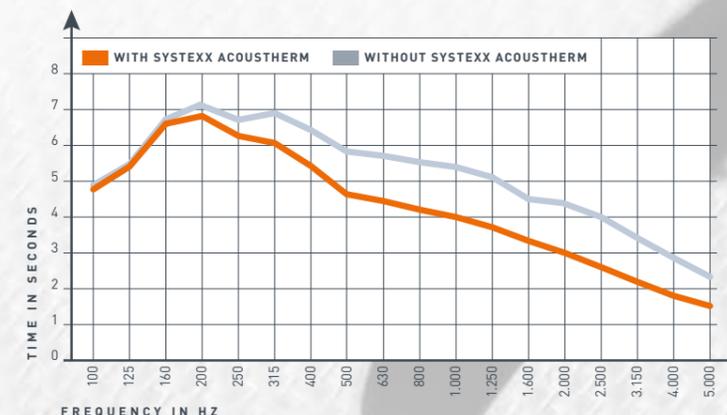
SOUND ABSORPTION: α_w 0,25 (H)

A QUIET ATMOSPHERE

Coated or uncoated, SYSTEXX AcousTherm achieves its effect through trapped air, which keeps heat inside the room and reduces reverberation. This brings about a noticeable improvement in indoor noise levels: thanks to its sound-absorbing properties, AcousTherm meets the requirements for sound absorption class E. Powerful performance from a 3 mm fabric.

Music to our ears! An independent institute tested SYSTEXX AcousTherm in the reverberation room. It achieved sound absorption level α_w 0,25 (H) according to DIN EN ISO 354.

Reducing reverberation with SYSTEXX AcousTherm



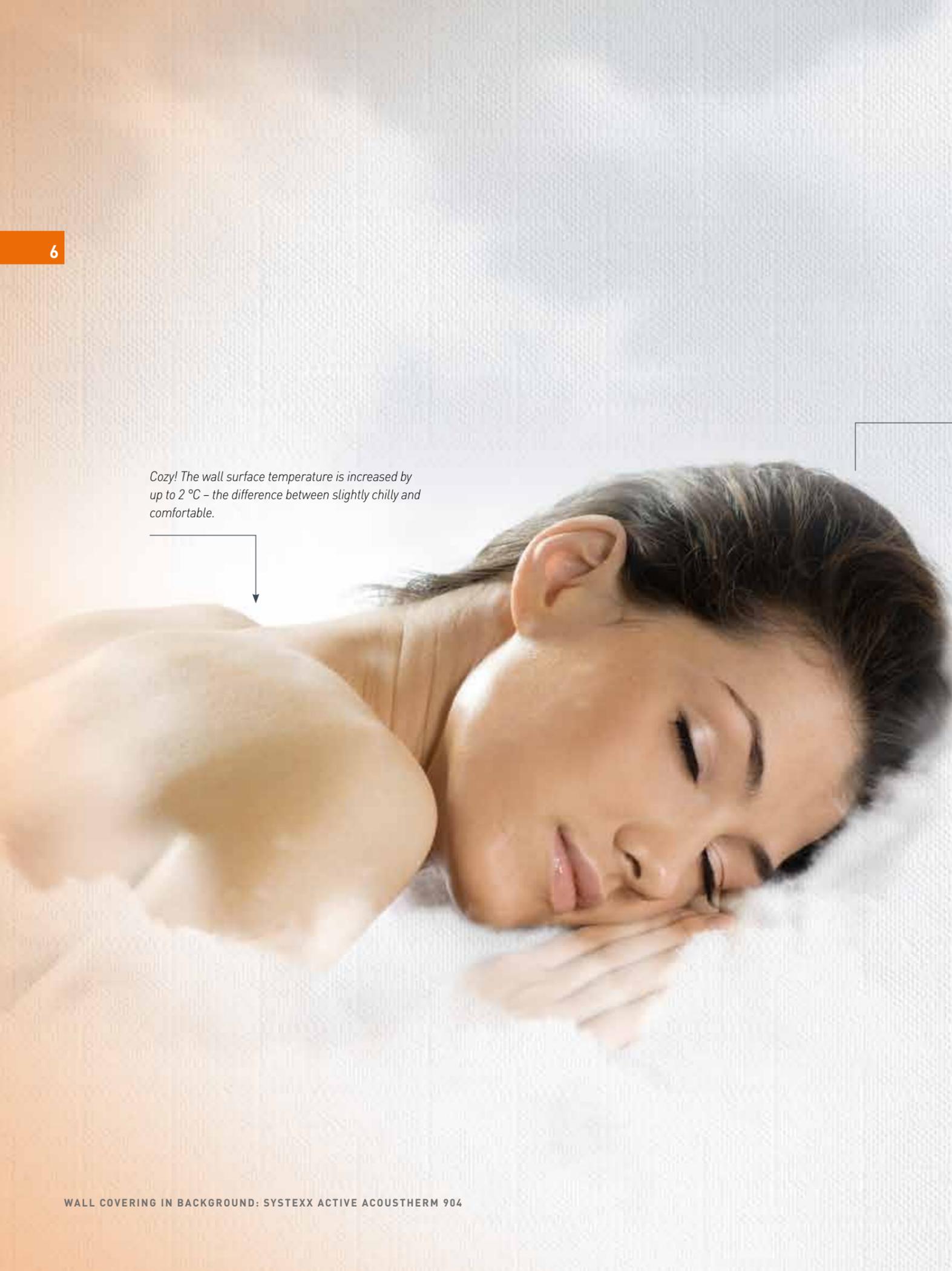
Assessment of sound absorption in accordance with DIN EN ISO 11 654
"Sound absorbers for use in buildings"

IMPRESSIVE!



**SYSTEXX
CERTIFIED QUALITY**

Sound absorption α_w 0,25 (H).



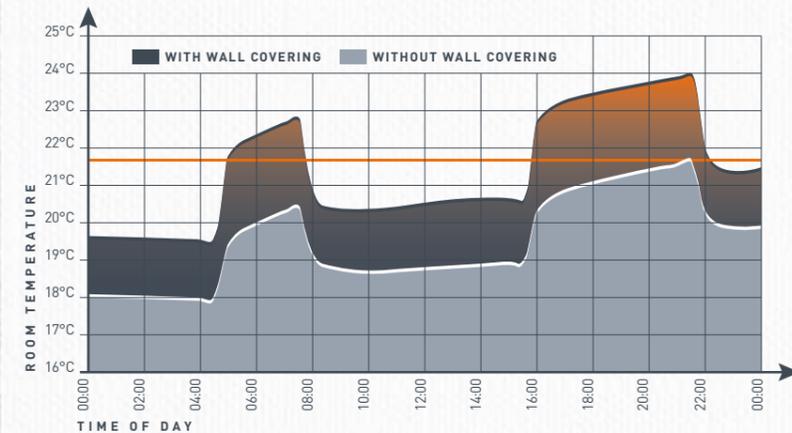
Cozy! The wall surface temperature is increased by up to 2 °C – the difference between slightly chilly and comfortable.

INCREASING THE WALL SURFACE TEMPERATURE

A QUICK WARM-UP

In restaurants, hotels, schools, offices and homes, rooms are often not in use all day long. If they warm up quickly, people feel comfortable faster and save energy. Walls that are only plastered or covered with ordinary wallpaper let the heat out and it takes a long time to warm the walls and the room. With SYSTEXX AcousTherm you can bring rooms to a comfortable temperature up to four times faster. The wall covering does not interfere with natural heat circulation or change the dew-point.

Classic heating pattern of a working household



Calculation basis: 2 external walls, plaster inside, bricks outside, square room measuring 16 m², height of room 2.8 m, window area 1.53 m².

Rooms with SYSTEXX AcousTherm warm up faster in the morning and the natural heat circulation keeps them at a pleasant temperature until the afternoon. This means that when the heating is turned on (at around 3.30 p.m.) rooms reach a comfortable temperature very quickly – reducing heating costs and saving energy. By contrast, a room without an effective wall covering will take around six hours to reach the desired temperature.

HARDWEARING AND BREATHABLE

STRONG AND BEAUTIFUL

Effective protection in challenging situations – SYSTEXX AcousTherm bridges cracks and provides long-term protection against new damage. At the same time, its sd value of just 0.03 m makes it extremely water vapor permeable, so you can breathe easily. And when it comes to color, the rainbow is the limit: the wall covering can be overpainted with standard emulsion paint without losing any of its acoustic or thermal properties.

SYSTEXX AcousTherm is particularly suitable for use in environments where noise needs to be kept to a minimum. The surface is very hardwearing and protects walls from damage caused by knocks and scrapes.

Efficient preparation – SYSTEXX AcousTherm comes with integrated glass fabric. No need to paper over it. It can be hung like conventional glass fiber wall coverings.

STRONG!



**BRIDGES
CRACKS**



**HARDWEARING
SURFACE**



VERSATILE!

**CREATIVE PAINT
APPLICATIONS**

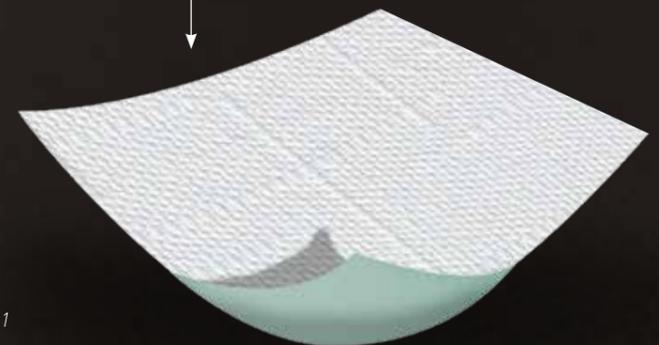


FLAMMABILITY RATING B - s1, d0

UNRIVALED SAFETY

Stay cool in an emergency with SYSTEXX AcousTherm. Thanks to its excellent performance and treatment, SYSTEXX AcousTherm is certified as flame resistant. Its benefits are particularly evident in buildings and areas where fire protection is an important consideration.

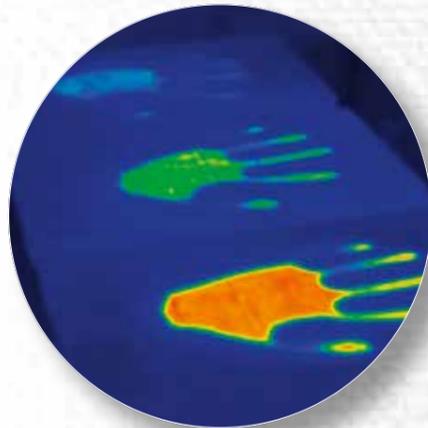
The wall fabric that can stand the heat. It is flame resistant, generates almost no smoke in the event of a fire and does not drip.



UNIQUE!

**SYSTEXX
CERTIFIED QUALITY**

Flammability rating B - s1, d0 nach DIN EN 13501-1



See the scientifically proven effectiveness of SYSTEXX AcousTherm for yourself. Scan the QR code to watch the video evidence from ZAE Bayern.

Wall surface temperature:
20 °C with SYSTEXX AcousTherm

Wall surface temperature:
18 °C without SYSTEXX AcousTherm

AT A GLANCE

TECHNICAL HIGHLIGHTS

Energy ...

- Thermal conduction λ_{10} at 10 °C (DIN EN 12667): 0,040 [W/(m*K)]
- Heat resistance R (DIN EN 12667): 0,06 [m²*K/W]
- No evidence of condensation
- sd value: 0,03 m

... Acoustics ...

- Sound absorption unpainted (DIN EN ISO 354): α_w 0,25 (H)
- Sound absorber class E

... and more

- Flammability rating (DIN EN 13501-1 (2010)): B - s1, d0
- Classe d'émission: A+
- CE conformity mark

Roll length: approx. 10.4 m / 12 m

Roll width: approx. 0.96 m

Fabric thickness: approx. 3.0 mm

DETAILED INFORMATION

www.systemx.com



WALL COVERING IN BACKGROUND: SYSTEXX ACTIVE ACOUSTHERM 904



NATURAL HIGH-QUALITY RAW MATERIALS

ENVIRONMENTAL QUALITY

Molten glass is transformed into super-fine glass fibers – the base material for glass fabric. Natural, high-quality materials make SYSTEMXX wall and ceiling coverings environmentally friendly and non-toxic.

SYSTEMXX AcousTherm carries an A+ emissions rating.



SYSTEMXX Active
AcousTherm 233



SYSTEMXX Active
AcousTherm 904

CERTIFIED EXCELLENCE! SYSTEMXX CERTIFIED QUALITY



A+ for zero
emissions

OUR SERVICE

- | We will be happy to assist you personally
- | Please contact us if you would like to receive further information on SYSTEXX
- | For free original samples and texts for bids, please go to www.systemxx.com



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