

SYSTEXX ACTIVE ACOUSTHERM - WALLCOVERING FOR A PLEASANT ROOM ATMOSPHERE

SAVES ENERGY, REDUCES NOISE



SYSTEXX 
by Vitrolan

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.

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

WALL COVERING IN BACKGROUND: SYSTEXX ACTIVE ACOUSTHERM 904



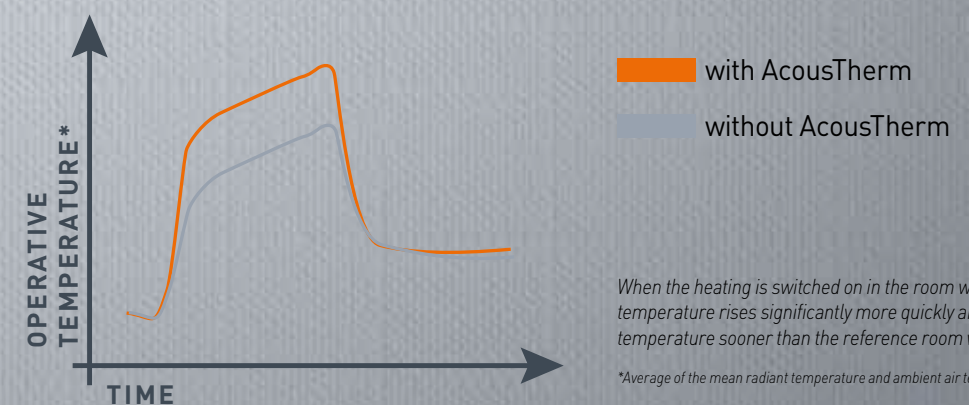
Cozy! The wall surface temperature is increased by up to 2 °C – the difference between slightly chilly and comfortable.

INCREASING THE WALL SURFACE TEMPERATURE

THE WALL COVERING THAT SAVES ENERGY

In restaurants, hotels, schools, offices, and homes, some rooms are often not used as much as others. If they warm up quickly, this not only saves energy, but people feel comfortable faster. Walls that are only plastered or covered with ordinary wallpaper let heat out and it takes a long time to warm the walls and the room. **SYSTEXX Active AcousTherm reduces heat loss through walls by 10%** and enables the room to reach a comfortable temperature **up to four times faster**. Thus, the desired cozy warmth is achieved much more quickly, resulting in a **relative saving of 2 °C**. The wall covering does not interfere with natural heat circulation or change the dew point.

Comparison of room heating-up phase



SOUND ABSORPTION: α_w 0,25 (H)

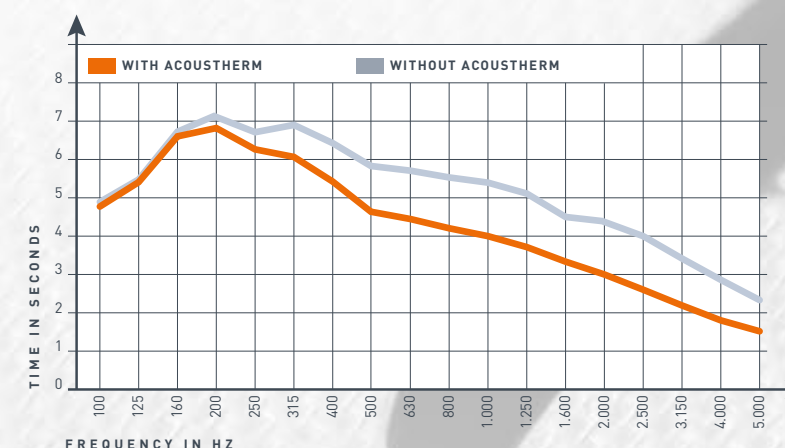
A QUIET ATMOSPHERE

Coated or uncoated, SYSTEXX Active 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, Active 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 Active 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 Active 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).

HARDWEARING AND BREATHABLE

STRONG AND BEAUTIFUL

Effective protection in challenging situations – **SYSTEXX Active 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 they 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 Active 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 Active 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



WALL COVERING IN BACKGROUND: SYSTEXX ACTIVE ACOUSTHERM 233

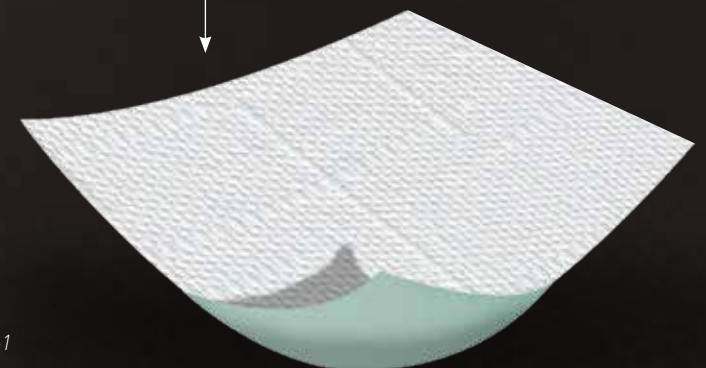


FLAMMABILITY RATING B-s1, d0

UNRIVALED SAFETY

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

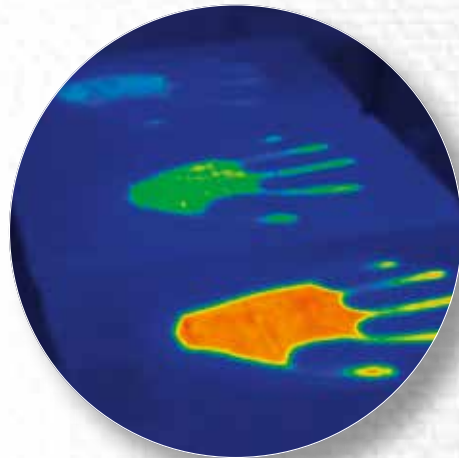
The wall fabric that can stand the heat. It is flame resistant, generates almost no smoke in the event of a fire and does not drip.



UNIQUE!

**SYSTEXX
CERTIFIED QUALITY**

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



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

Wall surface temperature:
20 °C with AcousTherm

Wall surface temperature:
18 °C without 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
- Improved U-value with **AcousTherm**: 10% less heat loss through walls

... Acoustics ...

- Sound absorption unpainted according to DIN EN ISO 354: α_w 0.25 (H) and practical sound absorption coefficient α_p up to 0.7.

... and more

- Sound absorber class E
- Flammability rating (DIN EN 13501-1 (2010)): B - s1, d0
- Classe d'émission: A+
- CE conformity mark
- Roll width: approx. 0.96 m
- Fabric thickness: approx. 3.0 mm



Sound absorption
 α_w 0,25 (H)



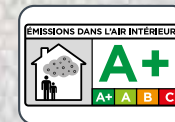
Flammability rating B - s1, d0
nach DIN EN 13501-1



Bridges
cracks



Hardwearing
surface



A+ for zero
emissions



Creative paint
applications

DETAILED INFORMATION

www.systexx.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 SYSTEXX wall and ceiling coverings environmentally friendly and non-toxic.

SYSTEXX Active AcousTherm carries an A+ emissions rating.

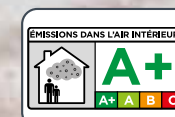


SYSTEXX Active
AcousTherm 233



SYSTEXX Active
AcousTherm 904

CERTIFIED EXCELLENCE! SYSTEXX CERTIFIED QUALITY



A+ for zero
emissions

The Vitrulan Group has production facilities at three locations in Germany: Marktschorgast (Kulmbach), Haselbach (Sonneberg), and Brattendorf (Hildburghausen) as well as one in Mikkeli, Finland.

Wall coverings made of glass fabrics and glass fleeces, modern infrared surface heating based on glass fabrics, and technical textiles made of glass, synthetic, and carbon fibers make up the core products of the Vitrulan Group.

Vitrulan Textile Glass produces extremely robust, hard-wearing, sustainable and versatile wall coverings. Additionally to a wide range of classical and modern designs, the company's focus is on the continuous development, production and sale of wall coverings with innovative additional functions. Sustainability in interior design and premium product quality are hallmarks of Vitrulan Textile Glass.

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.systexx.com



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