

SYSTEXX GLASS FIBER WALL COVERINGS IN HEALTHCARE

HEALTHCARE SOLUTIONS

SYSTEXX 
by Vitruan

INNOVATIVE GLASS FABRIC FOR WALLS AND CEILINGS

HYGIENE AND RESILIENCE

CHALLENGES IN HEALTHCARE SETTINGS

Not all walls are the same – especially in hospitals, care facilities and medical practices, walls must meet special requirements. Above all, they must be hygienic and easy to clean whenever necessary. However, mechanical wear and tear is also much more intensive in this sector: hospital beds bump into hallway corners during hurried transport, or chairs scrape constantly against the same spot in waiting rooms and damage the walls. Renovation also comes with its own challenges and is more complex than in less sensitive areas. It is just not possible to close hospitals for two weeks for renovation, and residents of a retirement home can't simply be temporarily housed in other buildings. Find out more about the SYSTEXX range and the solutions it offers to address these challenges on the following pages.



SPECIAL REQUIREMENTS – SPECIAL SOLUTIONS

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SYSTEXX IN HEALTHCARE

Glass fiber wall coverings per se are the ideal basis for superior wall finishes in sensitive areas: natural raw materials not only make them particularly **sustainable**, but also **non-toxic** and **suitable for allergy sufferers**.

They **bridge cracks and reinforce walls** thanks to tightly interwoven glass yarn that also provides protection against **abrasion and knocks**. Together with appropriate coatings, SYSTEXX glass fiber wall coverings and fleeces create a homogenous system that meets all globally recognized requirements up to cleanroom standards (e.g. ISO 14644-1 or GMP). When combined with suitable coatings, SYSTEXX products are resistant to the strongest **cleaning and disinfecting** processes such as UV radiation, decontamination with H2O2 as well as agents containing acids, alcohol and alkalis. SYSTEXX products can be **repainted several times**, thus considerably extending refurbishment intervals.

In addition to the fundamental technical benefits of glass fabrics and fleeces, the SYSTEXX range also offers a number of special solutions, such as the pollutant-absorbing **SYSTEXX Active Absorb** or **SYSTEXX Active Reno** for very quick renovation without disrupting normal day-to-day operations.

TECHNICAL HIGHLIGHTS



Resistant to disinfectants and cleaning agents



Reaction-to-fire:
B-s1, d0 / A2-s1, d0



Impact and perforation resistant



Wall reinforcing and crack bridging



Non-toxic



Abrasion and scrub resistant



Water vapor permeable



Suitable for allergy sufferers



Made in Germany



Non-hazardous to health

The properties mentioned here apply to a large part of the SYSTEXX by VitruLan range and may vary subject to the relevant coating.

The following pages provide an overview of SYSTEXX products tailored to meet the requirements in healthcare settings.



SYSTEXX PHANTASY & PURE

FUNCTIONALITY MEETS STYLE

Thanks to their inherent properties, glass fabrics are easy to clean and keep clean. Highly sensitive areas, such as operating theaters, must fulfill the most stringent standards however: wall surfaces are required to withstand strong disinfectants and scrubbing. In addition, they must ensure that neither dirt nor germs or viruses can adhere to the walls. Coated with a suitable paint, our **SYSTEXX Phantasy** and **SYSTEXX Pure** glass fabrics address these challenges. They can be hung to create an absolutely seamless surface with a lifetime comparable to that of tiles!

SYSTEXX Phantasy and **Pure** wall coverings come with our Aqua Technology for quick and clean installation. Like postage stamps, these coverings feature an adhesive that is already applied to the back and can be activated by just adding water.



IDEAL FOR...



Nursing and patients' rooms



Waiting rooms and areas



Operating theaters and other highly sensitive areas

All 30 designs of **SYSTEXX Phantasy** and **Pure** online:



vitruan.com



SYSTEXX ACTIVE FIREPROTECT

NON-FLAMMABLE WALL COVERING SYSTEM FOR INNOVATIVE FIRE PROTECTION

Of course, we hope that fire never breaks out. But what if it does due to a technical fault or carelessness? In that case, every second that a product hampers the spread of fire counts towards saving one's own life or the lives of others. Because it is not only the fire that is dangerous – but above all the rapidly spreading smoke, which causes a loss of orientation and uses up the remaining oxygen. Heavily frequented facilities in particular must provide adequate protection to allow sufficient time for evacuation in the event of fire. Systems such as **SYSTEXX Active FireProtect**, which offer the highest fire resistance classes, can then add crucial minutes to the time available for escape.

SYSTEXX Active FireProtect is A2-s1, d0 fire rated which means

- A2 – it is non-combustible,
- s1 – in the event of fire, little or no smoke propagation and
- d0 – in the event of fire, there are no flaming droplets

IDEAL FOR...



Paths of travel and exit routes



Common areas



Detailed information on **SYSTEXX**

Active FireProtect online:



vitrulan.com



SYSTEXX ACTIVE RENO: WHEN YOU NEED A FLAWLESS FINISH FAST

RENOVATING WALLS IN RECORD TIME

SYSTEXX Active Reno is a glass fabric with a special weave pattern that hides substrate imperfections. Its intentionally irregular, textured finish is particularly suitable for direct application over old wall coverings on areas in need of renovation, e.g. textured plaster up to 2 mm or old glass fabric.

SYSTEXX Active Reno products were developed specifically for quick renovation in many indoor areas – allowing you to continue with your day-to-day business while renovations are underway.

The irregular weave pattern hides
substrate imperfections.



IDEAL FOR...



Hallways and paths of travel



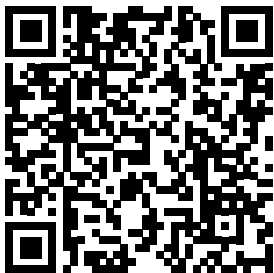
Staircases



Cafeterias and common areas

Detailed information on **SYSTEXX**

Active Reno online:



vitrulan.com



SYSTEXX ACTIVE ABSORB

GLASS FABRIC FOR HEALTHY INDOOR AIR QUALITY

Especially when renovating or refurbishing patients', treatment or common areas, many materials emit hazardous substances that may be harmful to health. Breathing in even small amounts of these substances can reduce your ability to concentrate and trigger headaches or nausea. Formaldehyde is a very common indoor air pollutant. Be it new furniture, especially when made of wood composite or plywood, carpets, paints or adhesives – formaldehyde is often emitted over a long time and degrades only slowly.

SYSTEXX Active Absorb provides effective help as every single fiber of the **SYSTEXX Active**

Absorb wall covering is coated with a special finish that filters formaldehyde from the air and binds it effectively. Laboratory tests have scientifically proven that **SYSTEXX Active**

Absorb reduces the concentration of formaldehyde in the air by up to 65% – even as the pollutant is continuously released into the air. The wall covering can absorb high levels of formaldehyde across its entire life cycle.



GLASS FABRIC AND FLEECE WITH SPECIAL FINISH
Permanently binds harmful formaldehyde contained in indoor air



CREATES A HEALTHY INDOOR CLIMATE
Special finish effectively binds formaldehyde – even after a longer period of time

IDEAL FOR...



Patients' rooms



Nursing facilities



Common areas

Detailed information on **SYSTEXX**

Active Absorb online:



vitruLan.com



SYSTEXX ACTIVE MAGNETIC AND MAGNETIC WHITEBOARD

DISPLAY BOARDS IN ALL FORMATS

Be it for duty planning or posting notes in common areas: with the **SYSTEXX Active Magnetic** range, you no longer have to make do with unwieldy flipcharts or old bulletin boards. Whatever the shape or size of the display boards, they can be easily installed with our magnetic products. The reverse side of the wallpaper has a magnetic layer, whereas the options for the visible side are a particularly fine glass fabric (**Magnetic M39**) or a perfectly smooth glass fleece (**Magnetic M22**). The wall coverings, which can be painted over repeatedly, blend almost imperceptibly into the room and do not create a magnetic field or interfere with mobile radio or Wi-Fi networks.

With our new **SYSTEXX Active Magnetic Whiteboard** it is possible to hang an even more intelligent multifunctional surface in next to no time. No magnetic paint or plates, no separate coat of paint – a whiteboard has never been put on a wall faster or cleaner!

IDEAL FOR...



Offices and working spaces



Traffic areas with display boards



Reception areas

Detailed information on **SYSTEXX Active Magnetic** and **Magnetic Whiteboard** online:



vitruLan.com

The Vitrulan Group has production facilities at three locations in Germany: Marktschorgast, 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 produces extremely robust, hard-wearing, sustainable, and versatile wall coverings. A wide range of traditional and modern designs are complemented by innovative wall coverings with additional functions. Sustainable interior design and premium product quality together are our number one priority.

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