

SYSTEXX GLASS FIBER WALL COVERINGS IN THE EDUCATION SECTOR

SOLUTIONS FOR NURSERIES, SCHOOLS AND UNIVERSITIES



SYSTEXX 
by Vitrulan

INNOVATIVE GLASS FABRIC FOR WALLS AND CEILINGS

INCREASED WEAR AND TEAR DUE TO HIGH VISITOR TRAFFIC

CHALLENGES IN EDUCATIONAL ENVIRONMENTS

→ In hardly any other area are walls subjected to as much wear and tear as the stairwells and corridors of nurseries, schools and universities. Hundreds of children and students use these walkways every day, scuffing their school bags and learning materials against walls, bumping against the wall when turning around in the bustling crowd, and sometimes spilling their drinks down the wall in the heat of the game or the rush.

At the same time, community and government budgets for maintaining educational facilities are tight – renovations cannot be carried out frequently and at short intervals.

SPECIAL REQUIREMENTS – SPECIAL SOLUTIONS

SYSTEXX IN EDUCATIONAL ENVIRONMENTS

Protecting walls as best as possible against mechanical damage, keeping them cleanable and extending refurbishment intervals are the primary objectives in the education sector – glass fiber wall coverings are the perfect choice here. Thanks to the raw material used, namely glass, it is easy to keep walls clean; in combination with a suitable coating system, they withstand even the strongest disinfectants and cleaning agents. Tightly interwoven glass yarn helps **bridge cracks and reinforce walls** while **protecting them against abrasion and knocks**. SYSTEXX glass fabrics can be **repainted several times**, thus considerably extending refurbishment intervals compared with standard wallpapers. Natural raw materials not only make them particularly **sustainable**, but also **non-toxic** and **suitable for allergy sufferers**. In addition to these functional, technical advantages, the SYSTEXX range also boasts several wall coverings with **impressive extra benefits**.

TECHNICAL HIGHLIGHTS



Abrasion and scrub resistant



Non-toxic



Resistant to disinfectants and cleaning agents



Water vapor permeable



Impact and perforation resistant



Suitable for allergy sufferers



Wall reinforcing and crack bridging



Made in Germany



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



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 of educational environments.



SYSTEXX PHANTASY AND PURE

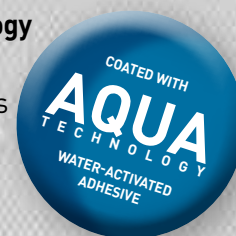
FUNCTIONAL AND ATTRACTIVE

Manufactured from glass – a natural raw material, **SYSTEXX Phantasy** and **Pure** wall coverings are eco-friendly, vapor permeable and non-hazardous to health.

At the same time, they are extremely robust and ideal for protecting crack-prone walls. Thanks to their inherent properties, glass fabrics are easy to clean and keep clean. Coated with a suitable paint, the glass fabrics of the **SYSTEXX Phantasy** and **SYSTEXX Pure** ranges can also be wiped with strong cleaning agents without being damaged.

The visual appearance is by no means neglected: from purist smooth, seamless surfaces and classic weave textures to large-scale, opulent patterns, they offer the perfect design for every taste and application area.

SYSTEXX Phantasy and **Pure glass** fabrics come with **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.



WALL COVERING IN BACKGROUND: SYSTEXX PHANTASY JUNGLE 087

IDEAL FOR...



Hallways and staircases



Class rooms and lecture halls



Cafeterias and canteens

Full design range of
SYSTEXX Phantasy and Pure



vitrulan.com

SYSTEXX ACTIVE MAGNETIC AND MAGNETIC WHITEBOARD

SPACE FOR CREATIVE IDEAS

Whether used as information board, blackboard substitute, or as a playground for children for drawing or simply letting off steam: with the **SYSTEXX Active Magnetic** range, you no longer have to make do with unwieldy flipcharts, bulletin boards, or framed whiteboards. No matter the shape or size of the interactive surfaces, our magnetic products are easy to install. The reverse side of the wall covering 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 M20/M22**). The wall coverings, which can be repainted multiple times, blend almost imperceptibly into the room and do not create a magnetic field or interfere with mobile radio or Wi-Fi networks.

With our **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...



Class rooms



Nurseries and children's day-care facilities



Bulletin boards

Detailed information on
SYSTEXX Active Magnetic and
Magnetic Whiteboard online:



vitrolan.com



SYSTEXX ACTIVE ABSORB

GLASS FABRIC FOR HEALTHY INDOOR AIR QUALITY

When renovating or refurbishing rooms, a lot of 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 period of time and degrades only slowly. **SYSTEXX Active Absorb** provides effective help as every single fiber of this 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.



CREATES A HEALTHY INDOOR CLIMATE

Special finish effectively binds formaldehyde – even after a longer period of time



GLASS FABRIC AND FLEECE WITH SPECIAL FINISH

Permanently binds harmful formaldehyde contained in indoor air

IDEAL FOR...



Relaxation and sleeping areas



Class rooms



Common areas

Detailed information on
SYSTEXX Active Absorb



vitruLan.com



SYSTEXX ACTIVE ACOUSTHERM

REDUCES NOISE, SAVES ENERGY

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. A balanced indoor climate and optimum acoustics have a positive impact on our performance and on our ability to concentrate.

To fulfill their individual purpose, rooms must have the right acoustic balance. The noise level in nurseries is different from that of libraries and lecture halls where students in the back rows should ideally be able to hear what's going on. **SYSTEXX Active AcousTherm** features a specially designed fleece on the back of the glass fabric which traps air inside the wall covering. In turn, this noticeably reduces reverberation in the room while **improving its acoustics** – the wall covering is E-rated for sound absorption.

SYSTEXX Active AcousTherm also reduces heat loss through walls by 10% thanks to the trapped air. A comfortable temperature can be reached up to four times faster with **AcousTherm**. Thus, the desired cozy warmth is achieved much more quickly, resulting in a relative saving of 2 °C.

WALL COVERING IN THE BACKGROUND: SYSTEXX ACTIVE ACOUSTHERM 904

IDEAL FOR...



Cafeterias and common areas



Lecture halls and class rooms



Detailed information on
SYSTEXX Active AcousTherm



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.

IDEAL FOR...



Staircases



Hallways and paths of travel



Play rooms and common areas

Detailed information on
SYSTEXX Active Reno 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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